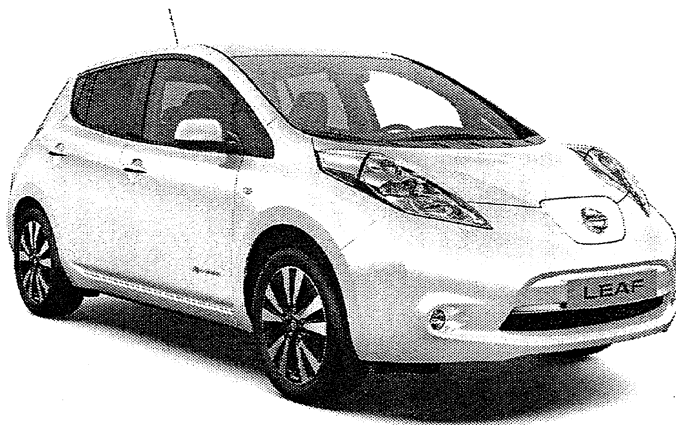


NISSAN LEAF



OWNER'S MANUAL

OWNER INFORMATION

Delivery Date	
Make Model	
Registration	
Vehicle Number / Fleet Number	
Key Number	
Manufacturers Number	

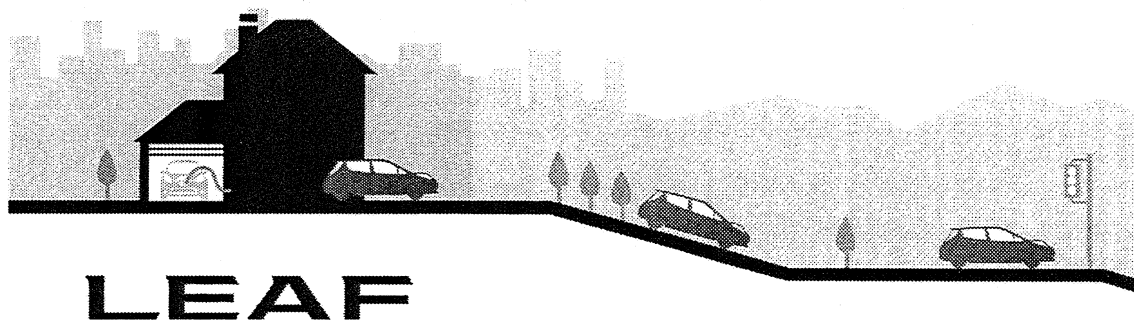
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MAIN MANUAL SECTIONS

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LEAF GEN 2 2016

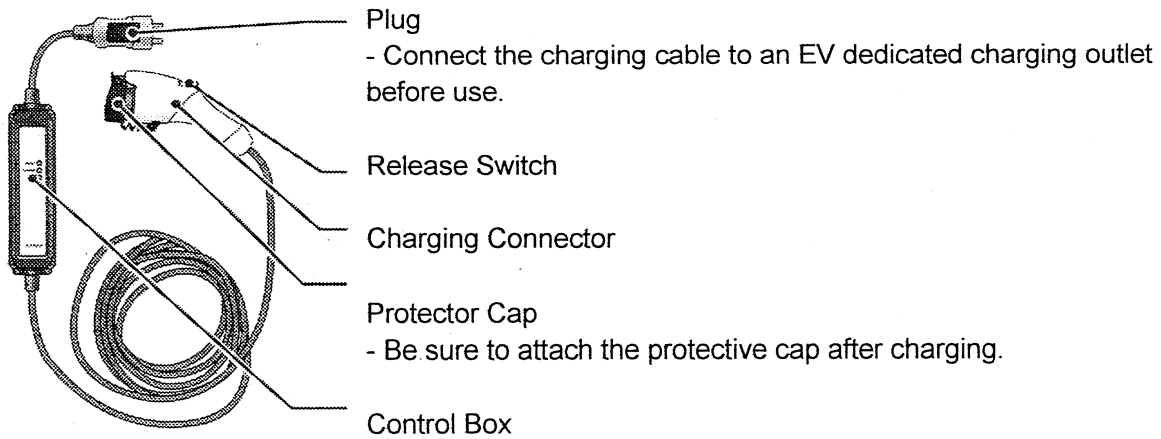
The following is covered in this Quick Guide:

Charging Cable	51
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Emergency Brake	72
Lane Departure Warning System	73
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Leaf Equipment

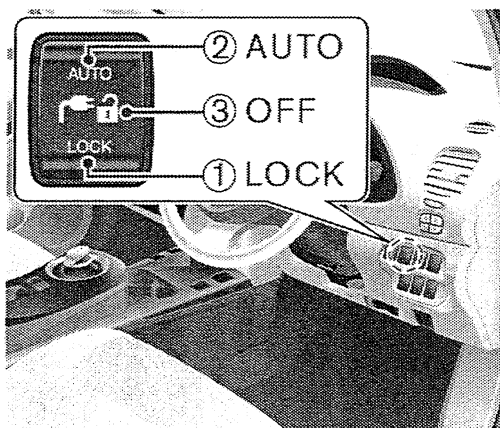
Charging Cable

An AC200V Charging Cable is included with this Leaf.



You will need a dedicated 100V charging cable to charge at 100V. See your service provider for details. However, except for special cases, we recommend using an AC200V for short charging times.

Leaf Equipment



Charging Connector Lock

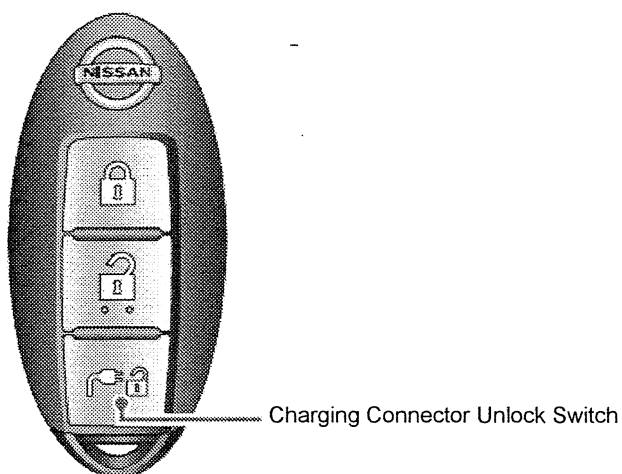
Placing the Charging Connector Lock Switch into either the LOCK or AUTO position will automatically lock the system while the Charging Cable is connected.

Charging Connector Switch Operation

1. Press the lower side of the LOCK switch, it will light up and lock during charging.
2. Press the upper side of the AUTO, it will light up and lock only during charging, with automatically unlocking when charging is finished.
3. Place the switch in the middle position when you do not require the LOCK function.

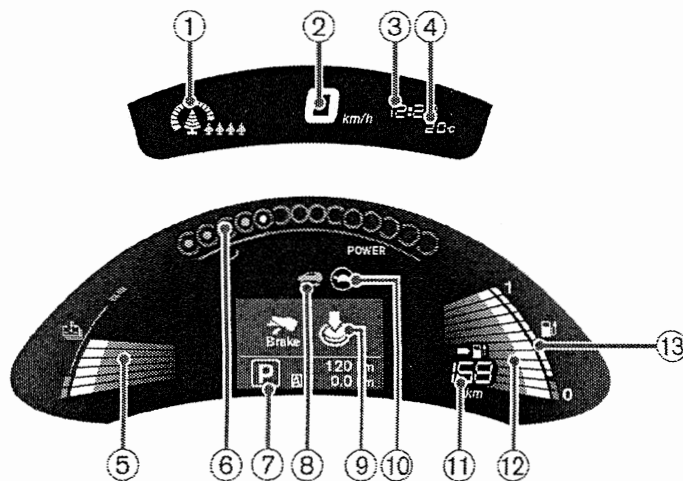
Unlocking the Charging Connector Lock

The Charging Connector Lock can be unlocked by pressing the Intelligent Key Charging Connector Lock Release Switch for over 1 second, then the locking mechanism will be unlocked for 30 sec.



The system will unlock the mechanism for 30sec when the charge port lid opener switch is pressed inside the vehicle, or the door is unlocked.

Meters



1. Checking driving performance with Eco Indicator Drive. The Eco Drive level varies according to accelerator, brake, and air conditioning usage.

2. Speed Meter

3. Clock

4. Outside temperature gauge

5. Lithium-ion battery temperature gauge

6. Power Meter

Displays the motor output, and the amount of power being collected for the lithium-ion battery the during travel.

7. Position Indicator

Displays the Shift Position of the Select Lever.

8. Driving Range Indicator

This indicator will show when the vehicle is travel ready.

9. Vehicle Information Display

10. Output Limit Display Light

- This light will show when motor output restrictions are on due to the remaining power capacity of the lithium-ion battery being low.

11. Available Travel Distance

This indicator displays an estimated distance based on your current driving conditions that vehicle can travel before the lithium-ion battery runs out of power.

12. Lithium-ion Battery Level Gauge

Displays remaining power in the lithium-ion battery.

13. Lithium-ion Battery Capacity Gauge

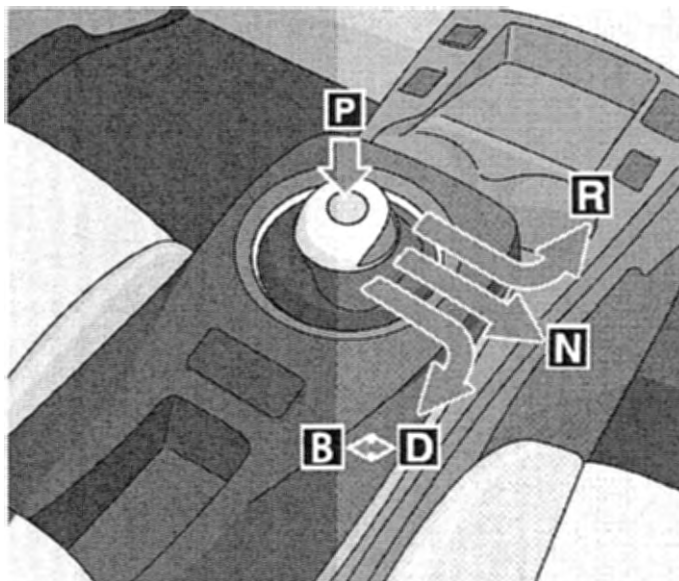
Displays how much power capacity the lithium-ion battery can take.

IMPORTANT:

- The displayed available travel distance is also subject to variance when the air conditioner or the ECO Mode is engaged. Distances the vehicle can travel on the current power levels are also subject to variance due to severe outside temperatures and steep upward climbs.

Select Lever

- Use to change the Shift Position



Using the Select Lever

P	Place the Select Lever in the P position by pressing the P button.
R	Move the lever backward according to the gate as shown.
N	Move and hold the select lever to the right to select.
D	Move the lever backward according to the gate as shown.
B	Slide the select lever to the right when in D mode to select B. Slide the lever again to return to D.

The select lever will return to the middle position once released. Auto P Function:

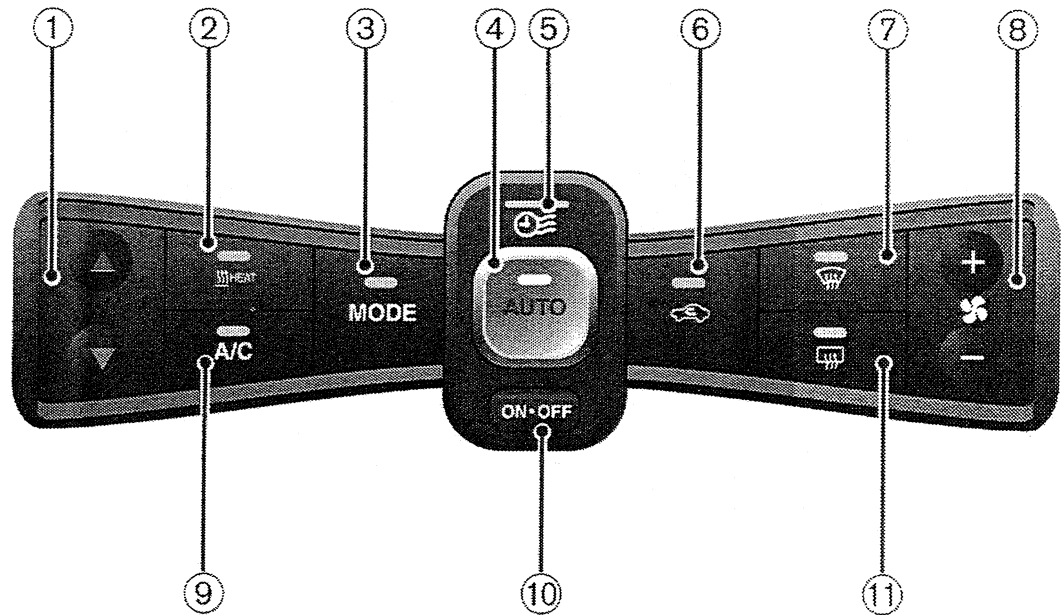
Placing the Power Switch in the OFF position will automatically place the Shift Position in the P selection.

Shift Position Button selections

Shift Position Button	Function
P	Starting position for parking and starting the EV system
R	Reverse Position
N	Position when no power is being transferred to the wheels
D	Normal driving position
B	Position when a strong brake is required on downhill slopes etc., (the brake may become weak at the time of full charge or low temperature etc.)

Names of Parts

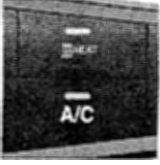
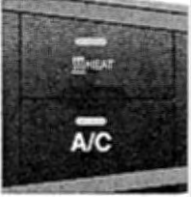
Air-conditioning operation



1. Turn the dial A/C to adjust the temperature. 2. Place the heating ON/OFF as required. 3. Vent selection 4. For AUTO mode activation. When using the air conditioner, please use it in AUTO mode whenever possible. Turn on the front defogger when the windows become fogged up. Indicator	6. Shift between internal circulation/outside air options. 7. Place the Front Defogger in the ON/OFF position as required. 8. Adjust the air speed using the adjustment dial. 9. Air Conditioning Function ON/OFF 10. Place the Air Conditioner unit ON/OFF as required. 11. Place the Rear Defogger in the ON/OFF position as required.
--	--

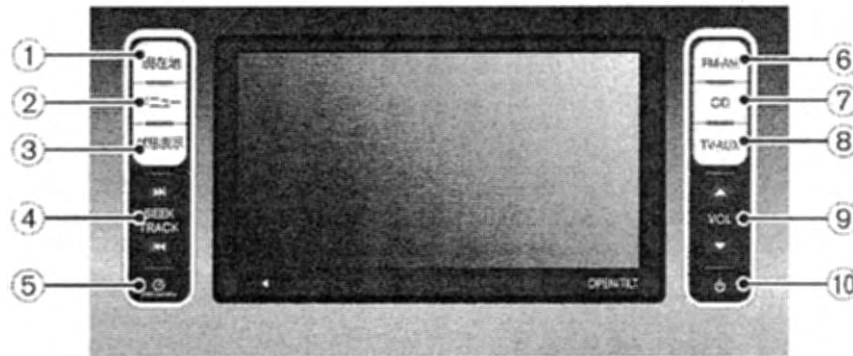
- To reduce power consumption and extend cruising distance, the dehumidification function stops even in AUTO mode and the window may become foggy.

Air conditioning operation mode

Switch	Operation Mode
	Fan Operation HEAT Switch:OFF A/C Switch OFF
	Cooling Operation HEAT Switch:OFF A/C Switch ON
	Heating Operation HEAT Switch:ON A/C Switch OFF
	Dehumidifying Operation HEAT Switch:ON A/C Switch ON

- Use this option only when the windows are fogged up to save power consumption and increase the current distance that the vehicle can travel.
- When the AUTO switch is showing, the air conditioner will operate at the optimum state to using the least amount of power.

Navigation/ Audio Operation



1. MAP



Current Location (Where the vehicle is detected on the map)

2.



MENU

Push MENU for the MENU screen

3. STATUS

Displays current audio, A/C, and vehicle information.

4.



Select radio, TV stations and songs *Not available in every country)

5



Convenient LEAF settings such as estimated destinations, searching for charging stations, timer functions, and CARWINGS.

6. FM/AM

Press the switch to select FM1→FM2→AM.

7. Choose CD music source

8. TV/AUX

Press the switch to select TV1→TV2→, USB Memory→ Bluetooth Audio→AUX.

9. Volume Control

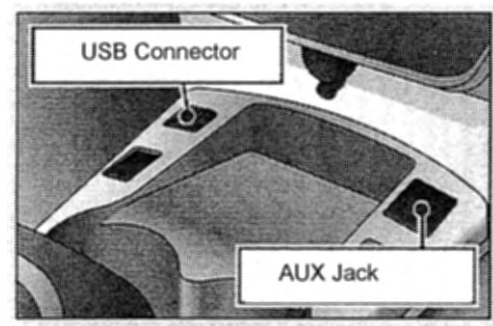
Adjust volume

10



Audio system power ON/OFF

AUX (external device input): There is a USB connector and AUX jack that can connect iPods etc. to the center console.

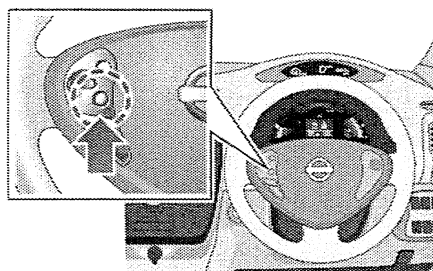


Hands-Free Phone

This system can be also used as a hands-free phone using a Bluetooth compatible mobile phone. Initial registration is required to connect your mobile phone with Bluetooth.

Bluetooth - Initial registration of your mobile phone

1. Press the phone mark on the steering wheel.



2. Press the “電話機登録” (Telephone Device Registration) button.



3. Press the “新規登録” (New Registration) button.



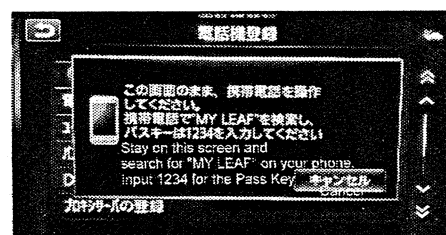
4. Press the “決定” (Select) button.



5. Search for the device setting on the mobile phone Bluetooth®, and select "MY LEAF".

Depending on the model of mobile phone, passkey input may also be required.

In this case, enter the passkey (the password for registering Bluetooth® mobile phone in this machine) displayed on the screen to the mobile phone.



- Refer to the mobile phone manual for more detailed operation methods.
- The phone will be connected automatically after initial registration is complete.

Hands-Free Phone

Making a call

1. Press the phone mark on the steering wheel.

2. Select the calling method from the menu displayed on the screen.



Receiving a call

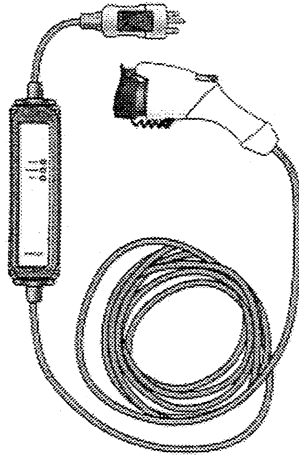
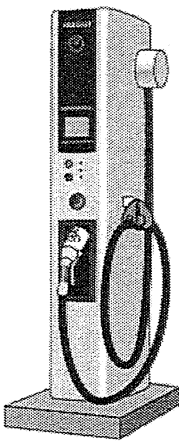
When a call comes in, a ringing tone sounds and the incoming screen is displayed automatically.

1. Press the phone mark on the steering wheel to receive the call.

2. Press the phone mark on the steering wheel once more to finish the call.

Charging

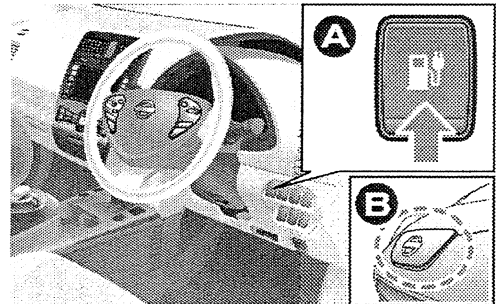
There is two types of charging options available, normal charging and rapid charging.

Charging methods	Charging Equipment
Normal Charging	Charging Cable 
Rapid Charging	Rapid Charging Station 

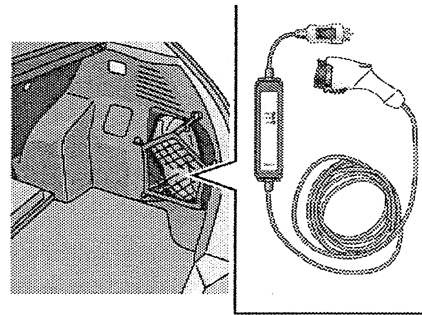
- Pictures shown here are examples
- This shows a typical charging station which may differ from the type available to you. Both standard and rapid chargers have different shapes and procedures depending on the model. Please follow the instructions written or indicated at each facility.

Normal Charging

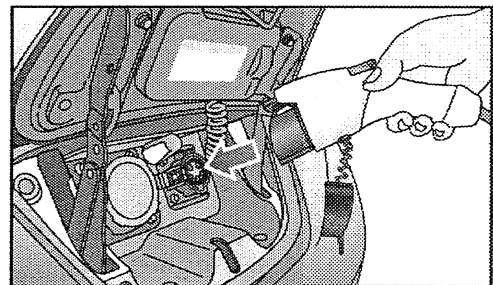
1. Check that the Power switch is OFF.
2. Press the charging port lid opener switch "A" to open the charging port lid "B".



3. Retrieve the charging cable and connect the plug into the power socket.

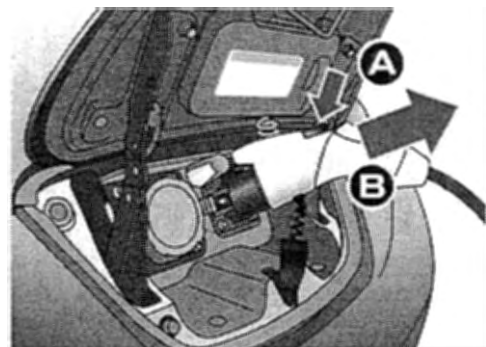


4. Open the cap of the normal charging port and insert the charging connector. One beep will be sounded to indicate that the connection is correctly completed.



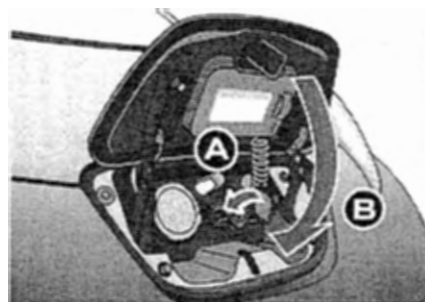
5. Two beeps will be sounded if charging has commenced, and the charging indicator will change to its charge light.

6. When normal charging stops (A), push the lock release button, and remove the charge connector from the charge port (B) while the lock is OFF. - Removing the charging connector during the charging process will also automatically stop the charging process. If the charging connector is locked, release the charging port lock.



7. Close the charging port cap "A", and then securely close the charging port lid "B".

8. Remove the plug from the power socket, and place the charging cable in its bag.

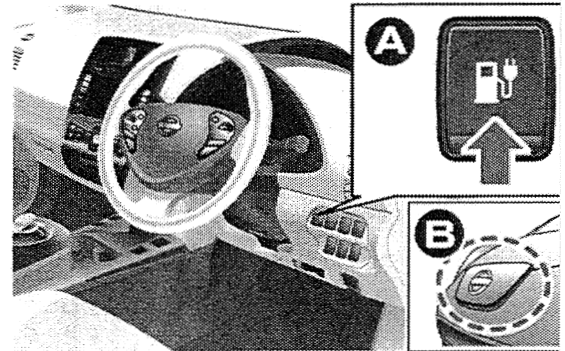


Caution

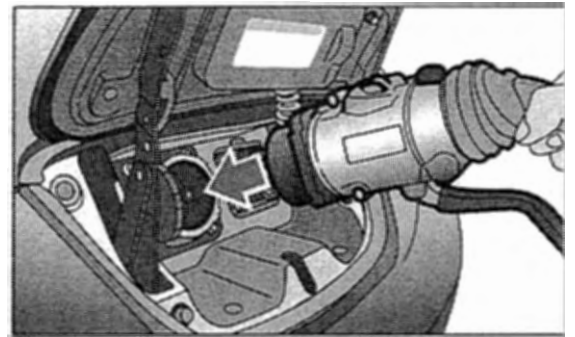
- Take care not to allow water into the charging port when it is raining.
- Do not attempt to insert or remove the plug with wet hands.
- Charging will not begin if the timer charge process is set.

Rapid Charging

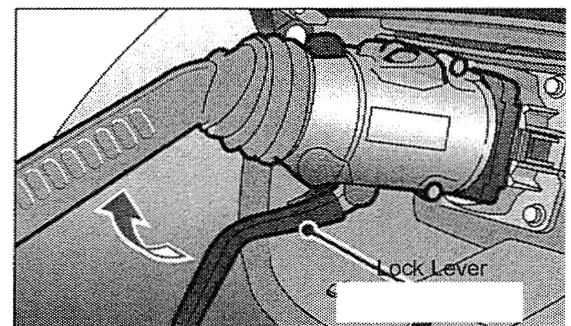
1. Check that the Power switch is OFF.
2. Press the charging port lid opener switch "A" to open the charging port lid "B".



3. Open the cap of the rapid charging port and insert the charging connector fully.

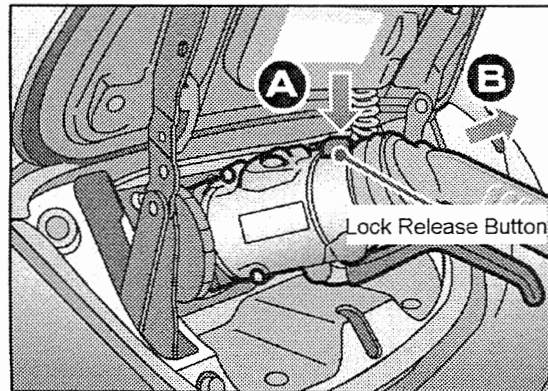


4. Grip the Lock Lever, and secure the Charging Connector.

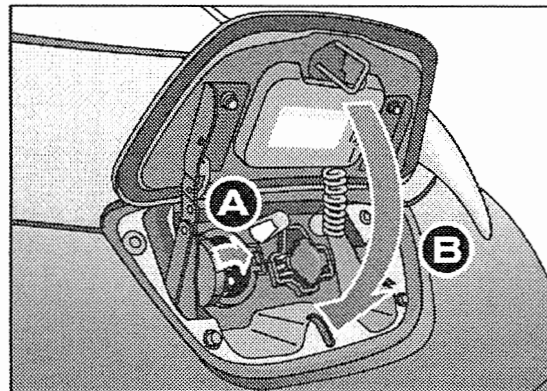


5. Follow the Raid Charging equipment procedure for charging to commence. Two beeps will be sounded if charging has commenced, and the charging indicator will change to its charge light.
- Please follow all instructions displayed on the quick charger for rapid charging methods.

6. When charging finishes, push the lock release button, and remove the charge connector from the charge port while the lock is OFF.



7. Close the charging port cap "A", and then securely close the charging port lid "B".

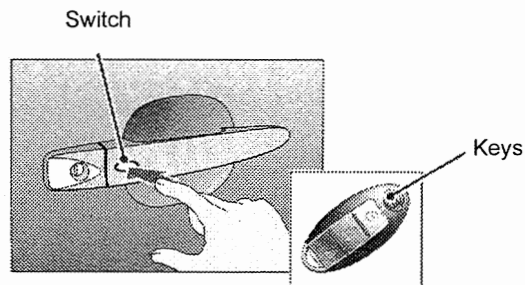


- Removal of the charging connector will not be possible during rapid charge. If you want to stop charging, you will need to stop the rapid charger unit.
- Take care not to allow water into the charging port when it is raining.

Intelligent Key Operation

Door Lock/Unlock

All doors can be locked /unlocked by pressing the door handle switch.

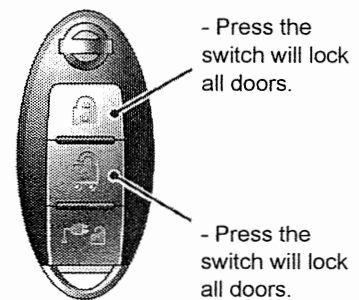


It is necessary to be within the operating range of the key when locking or unlocking with a key.

Door Lock/Unlock Using the Key switch

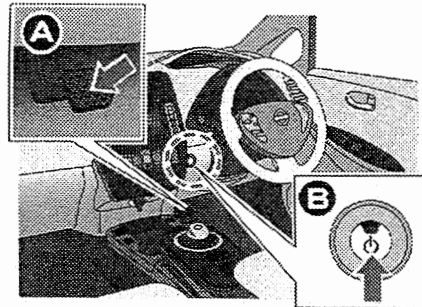
You can lock/unlock all the doors, even when you are not touching the vehicle (approx. 1M away from it)

- Press the switch will lock all doors.

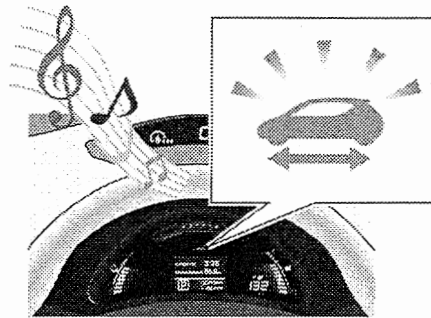


Starting (Power Switch ON)

1. Press the brake pedal (A) and then press the Power Switch (B).



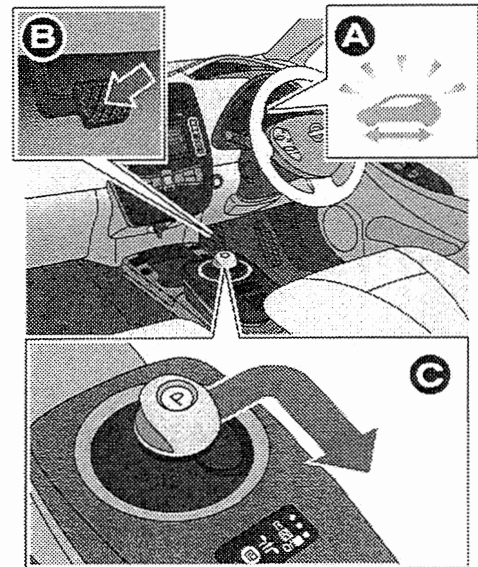
2. As the startup sound is activated, the travel-able indicator shows and start is possible.



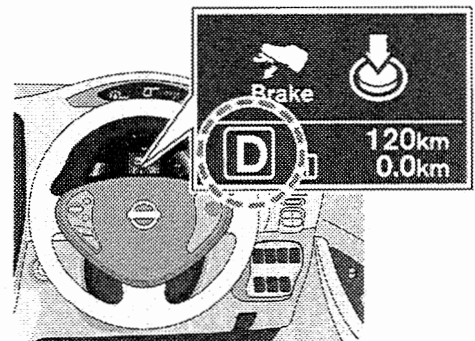
--If you press the power switch without stepping on the brake pedal, the travel-able indicator light does not show, but the power switch is switched in the order of OFF → ACC (accessory) → ON → OFF.

Take-Off

1. All shift position options will be available once the driving range light (A) starts to show. 2. Place the Select Lever (C) in the D position while your foot is placed on the brake pedal (B).



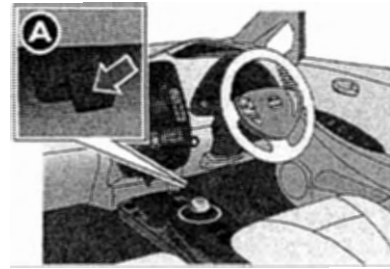
2. The position indicator light will show the D selection.



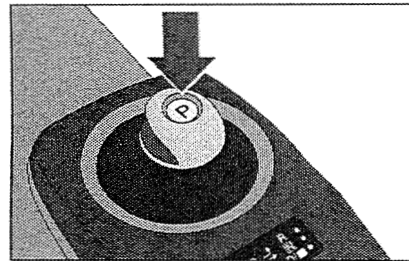
3. Release the parking brake, take your foot off the brake pedal, and press the accelerator to take-off

Stopping (Power Switch OFF)

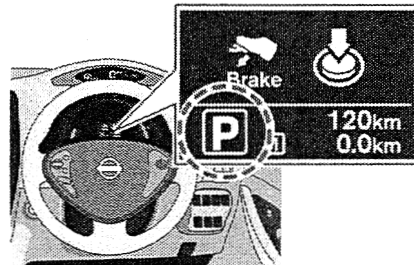
1. Press the brake pedal (A) and then press the Parking Brake.



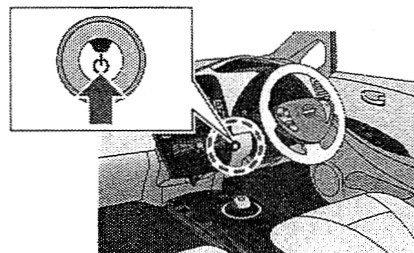
2. Place the Select Lever in the P position by pressing the P button.



3. The position indicator light will show the P selection.



4. Press the Power Switch to stop the EV system. - Make sure that the travel-able light has gone out.



Emergency Brake

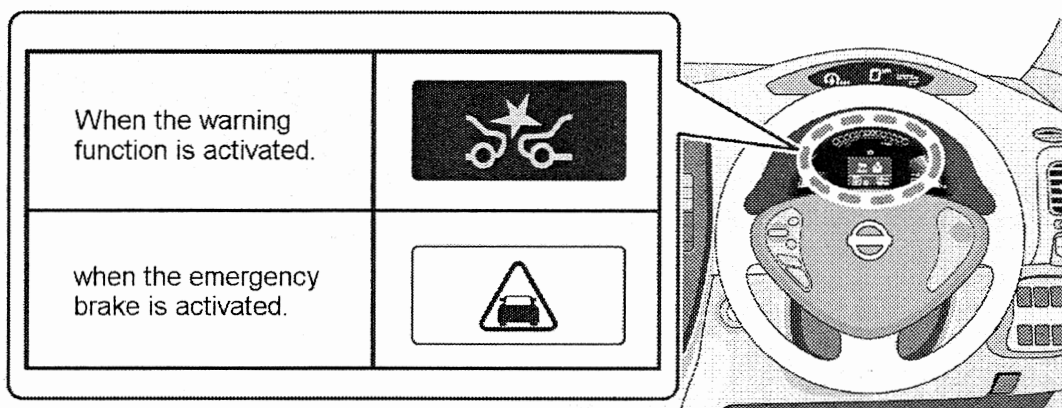
Emergency Brake

This driving support function is designed to aid the driver's safe driving, but is not able to avoid all danger. Therefore, the driver should never drive totally reliant on the system, and always be aware of the surrounding situation and keep safe driving at all times.

*As there are important warnings and precautions, be sure to read the instruction manual before use.

When the emergency brake detects any danger of colliding with the vehicle in front, or a pedestrian, it supports the driver's collision avoidance operation by warning and through automatic braking.

- If the system determines that a collision is possible, the emergency brake warning light in the panel flashes, prompting the collision avoidance operation with light braking and sounding an alarm.
- If collision avoidance operation by the driver is determined as being insufficient and the danger of collision increases, the emergency brake display flashes on the vehicle information display in the panel, and the brake automatically starts immediately before the collision and an alarm.



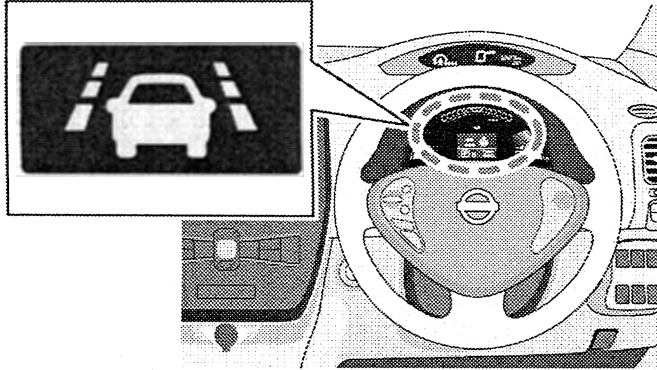
- The emergency braking system functions at speeds of 10-80km/hr. However, the system will not detect pedestrians when the vehicle is travelling at more than 60km/hr.
- The automatic braking of the system will not be operational during heavy acceleration, or in sudden and broad steering.

Disengaging the system

- The system can be turned off inside the display. See your operator's manual for more details.
- A warning light will be shown inside the panel if the emergency brake system has been turned off.
- Even if the setting is turned OFF, the system will automatically turn itself on again when the power switch is placed ON.

Lane Departure Warning (LDW)

Lane Departure Warning System



If the driver is about to deviate from a driving lane unintentionally, this system is designed to warn the driver with a warning tone and indicator light.

- The Lane Departure Warning (LDW) automatically activates when the vehicle is travelling over 60km/hr.

Engaging / Disengaging the system

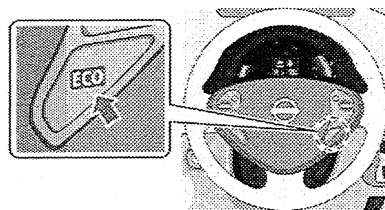
- The system can be turned off/on inside the display. See your operator's manual for more details.

Using ECO Mode

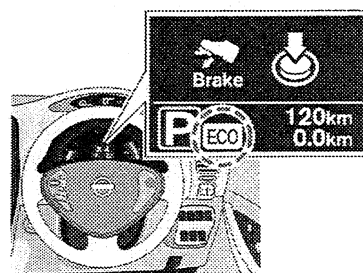
In the ECO mode, it is possible to extend the travel-able distance by suppressing the output to the drive motor along with increasing regenerative braking and increasing the amount of power collection to the lithium-ion battery.

Press the controls on the steering wheel for the ECO mode ON / OFF.

When the function is enabled, an indicator will show in the Vehicle Information Display.



- In ECO Mode, the degree of deceleration becomes stronger when releasing the accelerator pedal to increase the amount of regenerative braking.



Easy Driving

Excessive acceleration uses more power consumption. Also, avoiding sudden braking, will help regenerative charging by slowing down slowly.

Moderate Air Conditioning use

If you turn off the air conditioner or reduce the set temperature, the power consumption of the air conditioner can be reduced and the cruising distance can be extended.

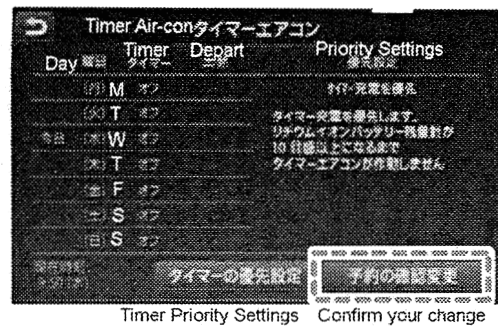
Using the Timer Function

Timer Charging

1. Press the ZERO Emission button and touch to elect "タイマー充電" (Timer Charging).

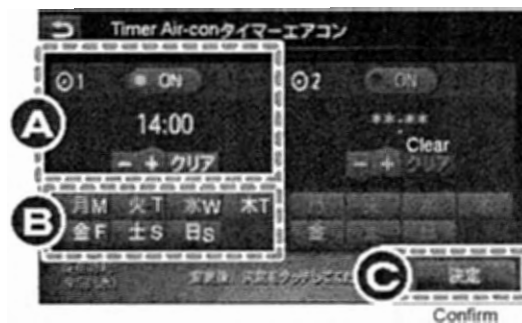


2. Press the"予約の確認変更"(Confirm your change) button.



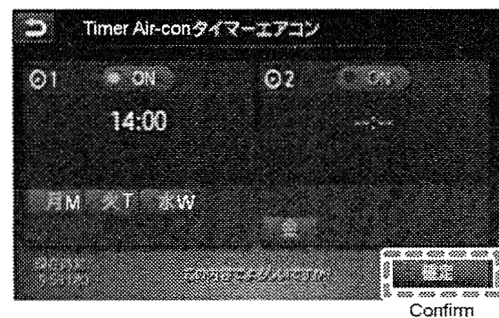
3. Press either "1" (Timer 1) or "2" (Timer 2) to change the time settings. B. Select the day as required. C. Press the "決定"(Confirm) button.

*This explanation shows how to change the settings on Timer 1 only



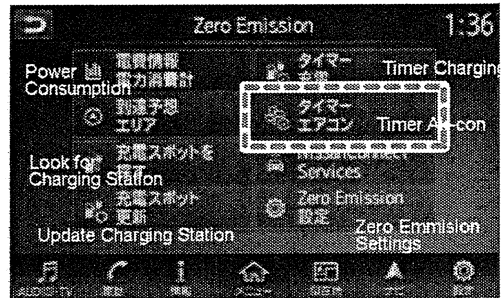
4. Press the"確定"(Confirm) button to complete the new setting. Press the Power Switch OFF and connect the Charging Connector.

When timer charging is set, charging will not start until the charging start time. Press the rapid charge switch if you need to charge immediately.



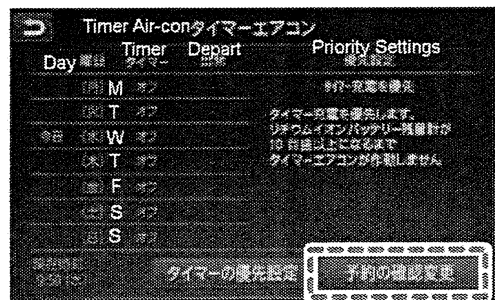
Operating the Timer Air-Conditioning

1. Press the ZERO Emission button and select "タイマーエアコン" (Timer Air-Conditioning).



Phone Info Menu Settings

2. Press the "予約の確認変更" (Confirm your change) button.



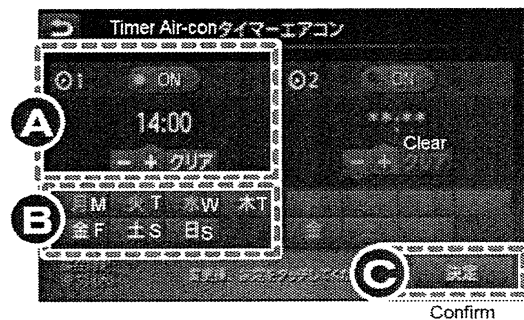
Timer Priority Settings Confirm your change

3. Press either "1" (Timer 1) or "2" (Timer 2) to change the time settings.

B. Select the day as required.

C. Press the "決定" (Confirm) button.

*This explanation shows how to change the settings on Timer 1 only



Confirm

Press the "確定" (Confirm) button to complete the new setting. Press the Power Switch OFF and connect the Charging Connector.

- Timer Air-Conditioning temperatures and Timer Air-Conditioning day setting can also be set.



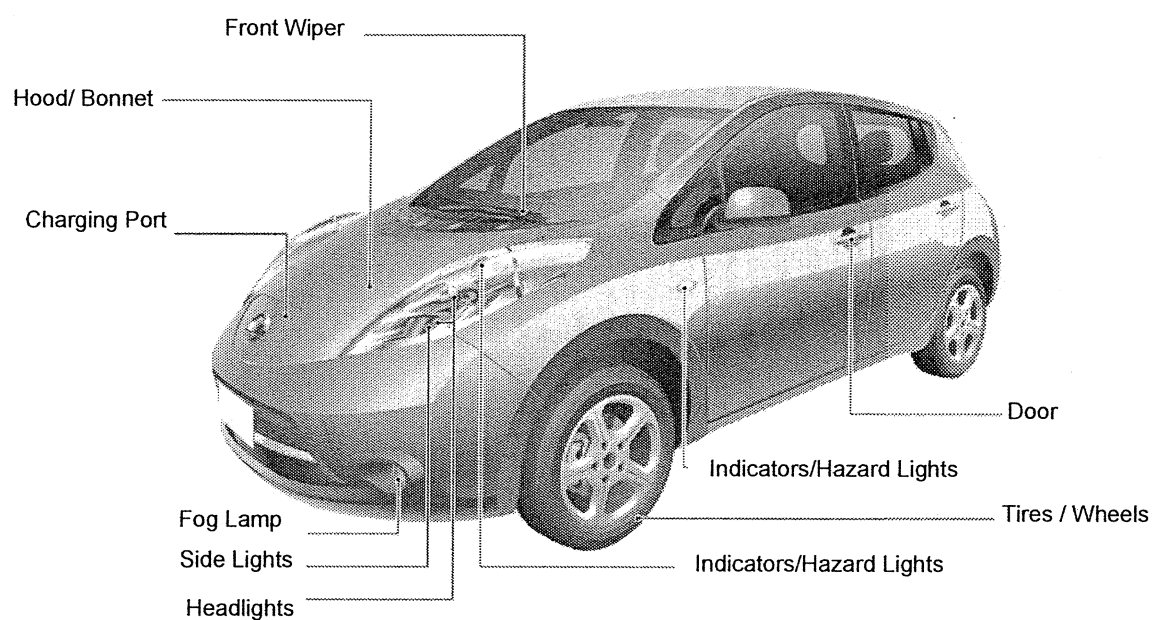
Confirm

Section 1 – Features of Electric Vehicles

Part names and layout (viewing from front side)	78
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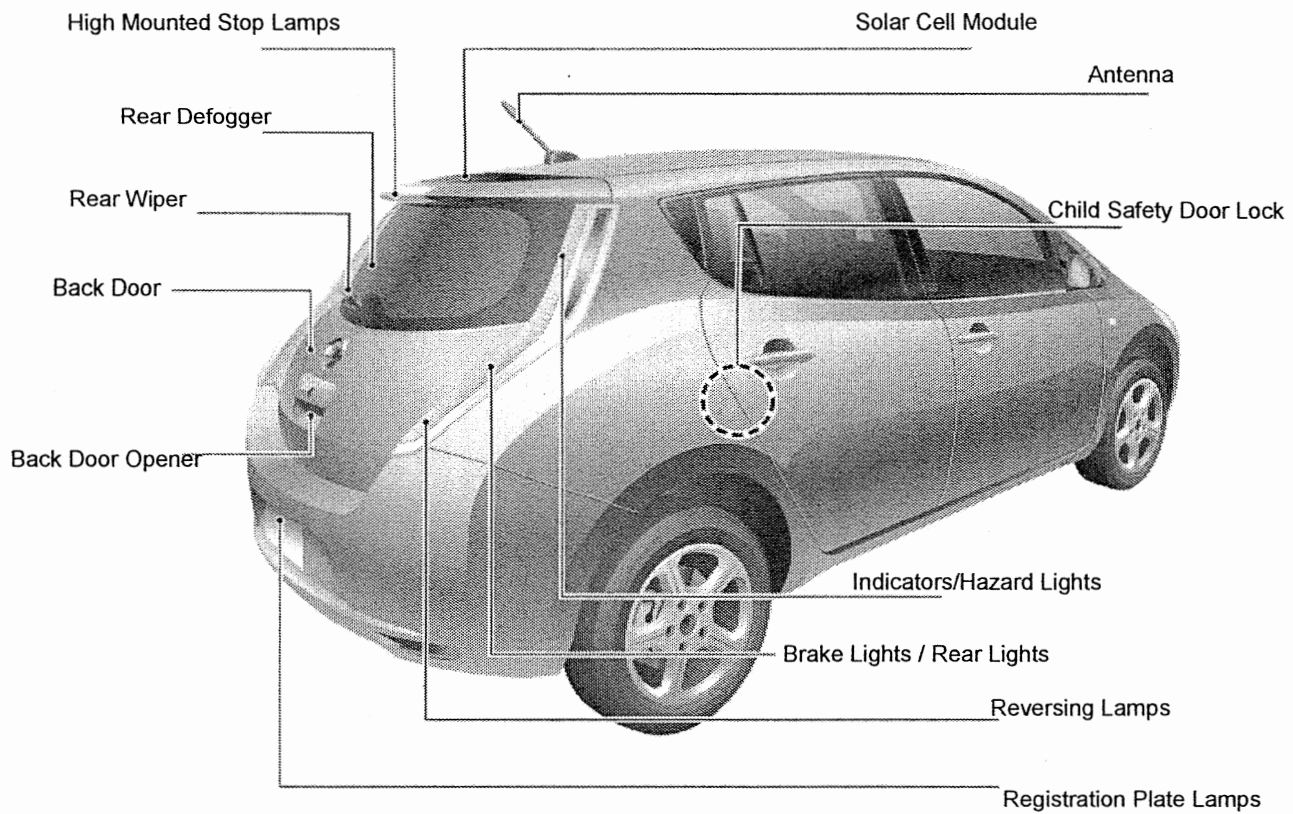
Front Overview

Part names and layout (viewing from front side)



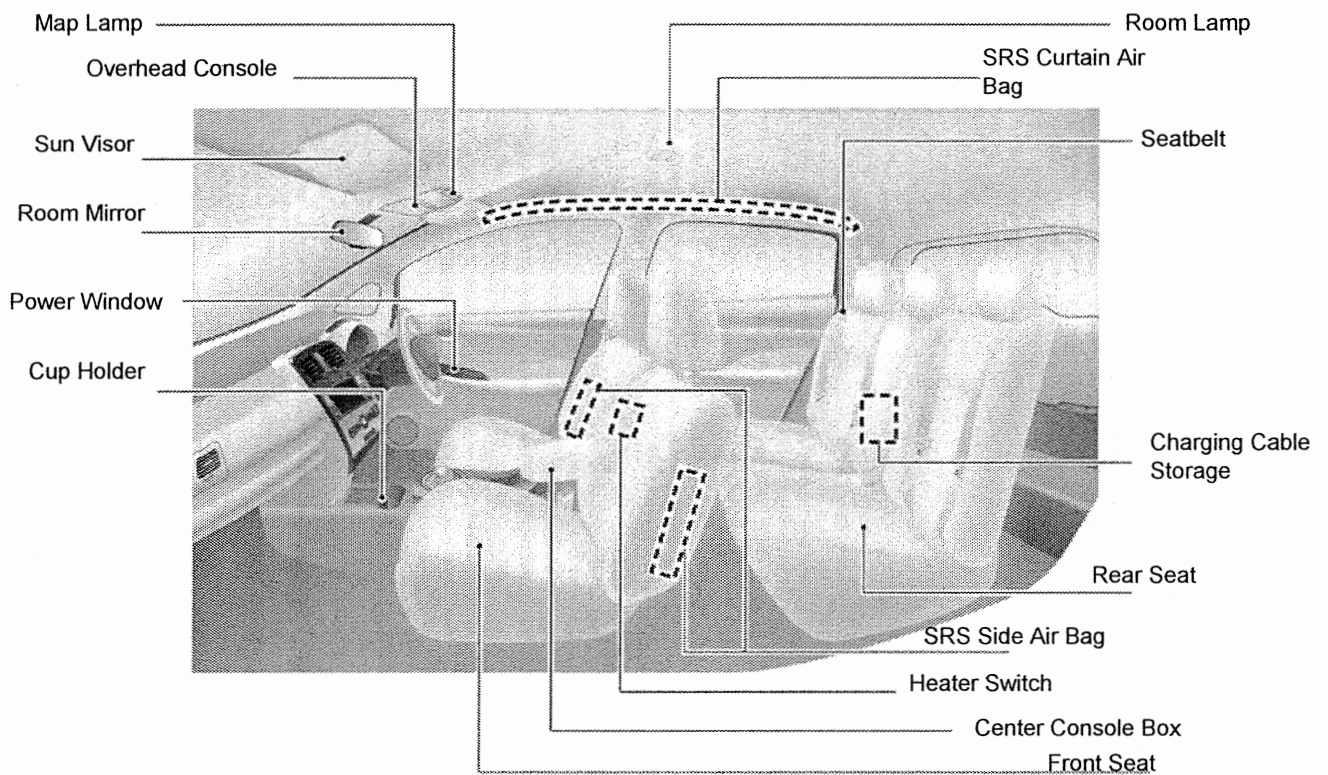
Rear Overview

Part names and layout (viewing from rear side)



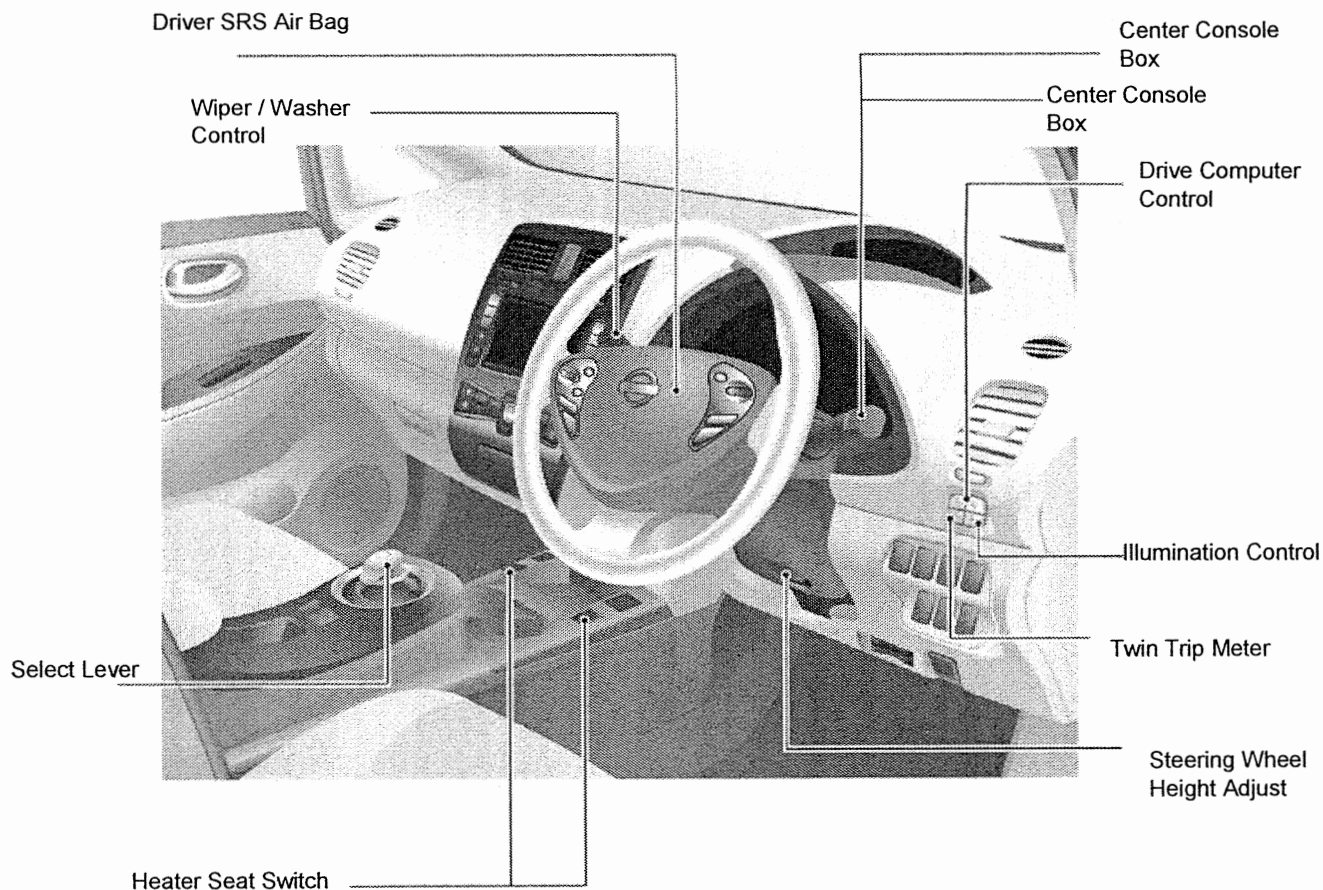
Interior

Part names and layout.



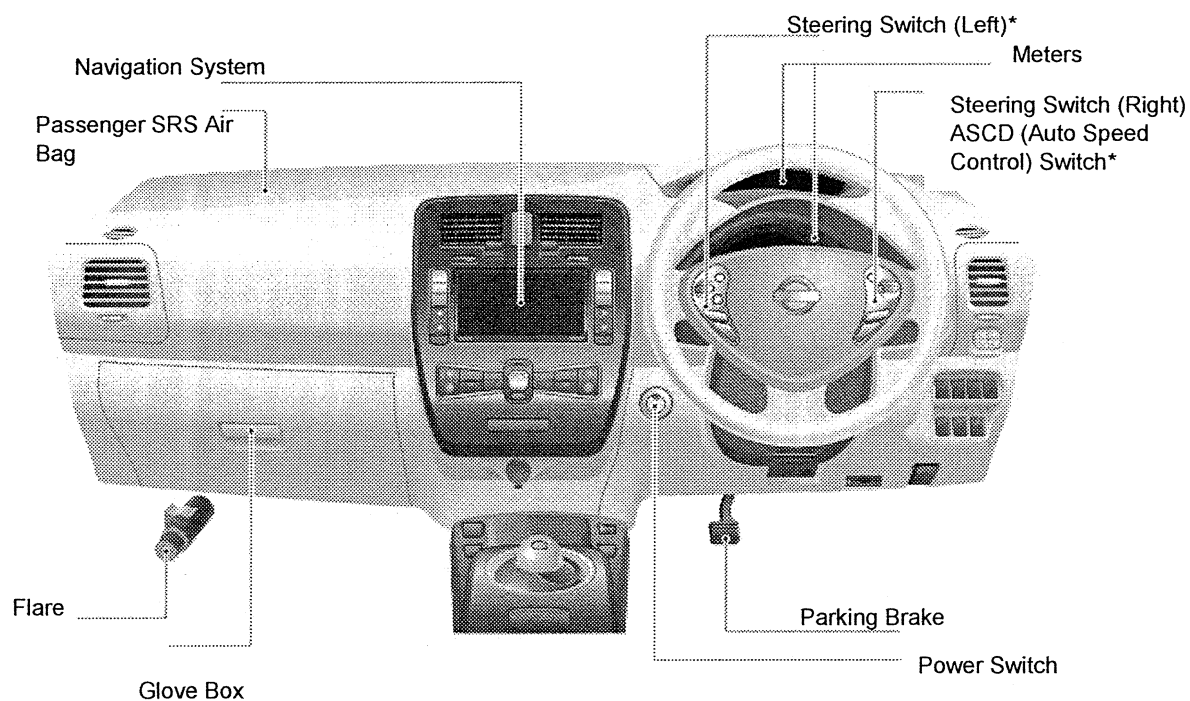
Driver's Seat

Part names and layout from driver's seat.



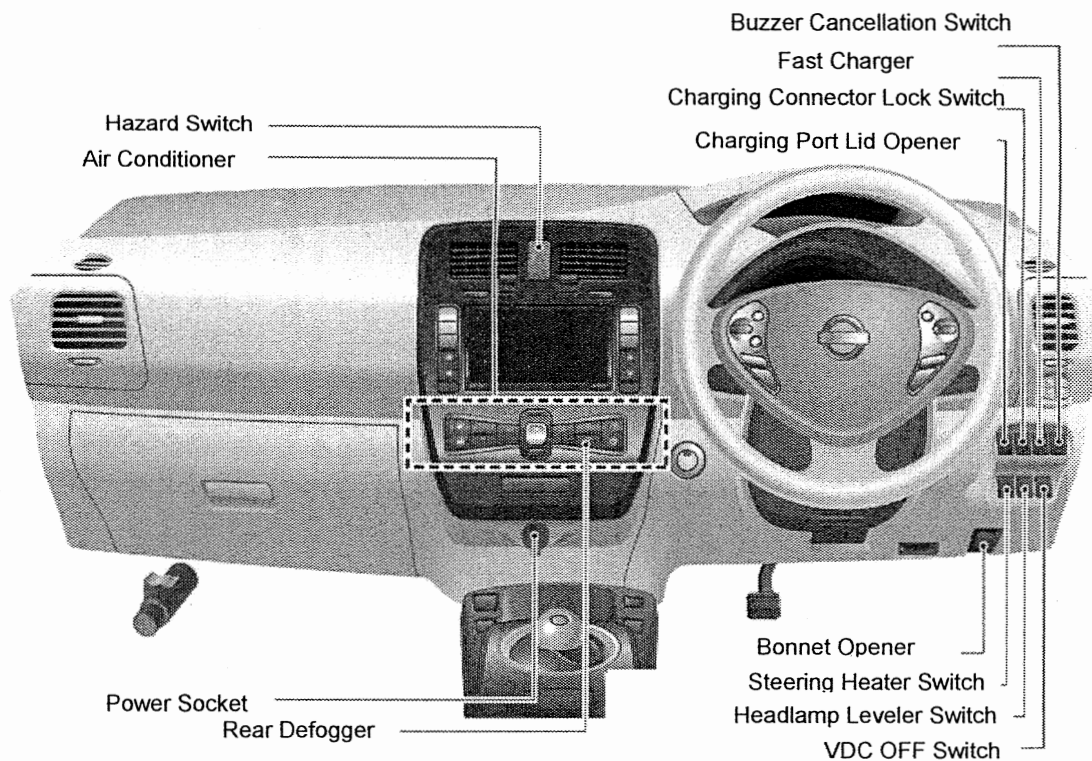
Instrument Panel 1

Instrument Panel (Names of Parts and Layout)



Instrument Panel 2

Instrument Panel (Names of Parts and Layout)



What is a Leaf?

Features of Electric Vehicles

What kind of vehicles are EV's?

Safe Operation

EV Handling Cautions

What you need to know in an accident with an EV

Best use of your EV

Extending your available traveling distance

Extending the life of your battery

Convenient Support Functions

Timer Function

Navigation System Support Function

(Navigation System fitted vehicles)

What kind of vehicles are EV's?

Features of Electric Vehicles

EV's have a few different features when compared with conventional vehicles.

Lithium- ion battery

EV's do not use petrol, but are powered by electricity stored in their lithium-ion batteries. Therefore, differing from normal refuelling, the lithium-ion battery must be recharged. As there is no CO₂ (Carbon Dioxide Gas) or NO_x (nitrogen oxides) produced as emissions, EV's are very environmentally friendly.

Motor

As a replacement for the engine, the vehicle moves by stored electrical power in the lithium-ion battery being sent to the wheels.

Regeneration Brakes

(During deceleration / braking)

The generated force of turning wheels during deceleration and braking is converted by the motor into electrical energy and is in turn used to help recharge the lithium-ion battery.

Buzzer

EV's are extremely quiet compared to engine fitted vehicles as they use electrical motors and not engines for power. Therefore, a buzzer is fitted to help warn people and other vehicles in the area when the EV is being used.

Note

- The capacity of lithium-ion batteries slowly deteriorates over time according to how much it gets charged. This is not due to a faulty product, it is simply a characteristic of batteries, just as would be seen in some household appliances. The level of this charging capacity decrease will vary depending on the environment the vehicle is used in, however we estimate that the capacity of the lithium-ion battery will decrease by around 20% over a 5 year period.
- The following details are where only the friction brake will be used for braking power and not the regeneration brakes.
- If the EV system or the braking system has suffered a fault
- If the ABS or the VDC systems are functioning.
- It is normal to feel a response through the brake pedal when applied while the regeneration brakes are functioning.

EV Handling Cautions**Safe Use**

Please read the following in order to use your EV appropriately.

▲ Warning

As the EV system uses a high level of electrical voltage, a maximum of 400V, the travel motor can become hot both during and immediately after the vehicle has stopped. Please therefore read and understand the various signs around the vehicle alerting you to areas that become hot or have high-voltage.

- Do not attempt to touch any of the high-voltage wires, connectors, or high-voltage parts (inverter unit, lithium-ion battery etc.) to avoid any chance of electrical shock.
- To avoid any environmental damage, lithium-ion batteries must be disposed of using the correct and appropriate means. See your local dealer for details if disposal of the lithium-ion battery is required.

Advice

The following details ways to help prevent capacity loss of the lithium-ion battery.

- Do not leave the vehicle in areas where the outside temperature could reach over 49C for extended periods (24hrs or more)
- Do not leave the vehicle in areas where the outside temperature could drop to below 25C for extended periods (seven days or more)
- Do not leave the lithium-ion battery in a de-charged state (0 or close to 0) for extended periods (over 14 days)
- Charge the vehicle at least once every three months using the long-life mode if it is not to be used for an extended period.

Leaving the lithium-ion battery in a low state for an extended period runs the risk of capacity loss.

*

What you need to know in an accident with an EV**Safety****Carry out the following if the vehicle is subject to an accident.****▲ Warning**

- Never attempt to touch any electrical apparatus or hi-voltage cables if they are emitting electricity.
- Contact your nearest service provider immediately if the lithium-ion battery is showing any signs of leakage or loss in capacity. There is a risk of fire in this situation.
- Do not touch any part of the interior or exterior if there are signs of any liquid leaking from the vehicle. There is a risk of severe burns to the skin or clothing if you come in contact with any of the liquid inside the lithium-ion battery. In the case of contact, apply clean cool water immediately to the area effected and seek medical help.
- Pull over to a safe place and check the vehicle for signs of any damage in the case the vehicle suffers an impact to its undercarriage. If any damage is apparent, do not touch the area and seek advice from your nearest service provider as soon as possible.
- Evacuate the vehicle immediately if there is any sign of fire coming from the lithium-ion battery or any of the hi-voltage parts in this vehicle. Make sure that an electrical fire designated type of extinguisher (ABC, BC, or C types) is used. Water may be used from a normal fire hydrant as long as the volume of water is very high. It is very dangerous to attempt to use any other inappropriate means to extinguish a fire. Extreme caution is required.
- When towing, make sure that the front two-wheels or all four wheels are lifted off the ground. If left in contact with the ground, the front two-wheels will generate electricity to the travel motor causing damage to the vehicle.
- Contact your nearest service provider immediately for assistance if the vehicle has suffered damage and cannot be moved to a safer place. Make sure that the service provider is aware that the vehicle is an electrically powered one.
- Contact your service provider for advice before having the repairs to panelling or having it painted. Severe injury could occur or damage to the vehicle may be sustained if the lithium-ion battery pack is damaged if the service provider has no understanding of the workings of an electrical vehicle.

Extending possible travel distance**Safe Operation**

By following the points below, it is possible to extend the distance that can be travelled on one charge.

- Before Starting

-Use the charging cable with the Time Air Conditioner or the remote Air Conditioner option* to get the interior of the vehicle to a comfortable level before travel. This will help to limit the power required from the air conditioner from the start of your travel.

-As up-hill traveling uses more power, we suggest you choose a route that has less up-hill gradients. If your vehicle has a navigation system fitted to it, you should be able to have the system search for a route with less gradients. See your navigation system manual for more details.

- Only have the luggage that you need for the intended trip.

-Check the tires to make sure that they are at the optimum pressure.

- Driving Points

- Drive smoothly with gradual speed uptake and avoid sudden take-offs and acceleration where possible.

- Keep a good driving distance between other cars to help avoid the need for sudden braking.

- Try to keep from speeding when traveling on free-ways.

- Try to avoid using the air conditioner wherever possible, or have it on a low setting to help save power. The lower the air conditioner setting, the more power you will save.

- In cold environments, use the seat heater and the steering wheel heater instead of the air conditioner. This uses less power than the air conditioner.

- Place the vehicle in ECO Mode. This option saves energy during acceleration and when the air conditioning system is running, it also works to collect energy during strong braking to help compensate.

Note

-The following details points that will heavily effect the distance that can be travelled on one charge.

- Traveling routes with excessive up-hill gradients.

- Extended periods of high speed motoring

- Frequent accelerations, decelerations, and heavy braking etc.

- Repeated use of rapid charging systems and high-speed usage on freeways will cause the lithium-ion battery to reach high temperatures.

- Heavy loading

-The charging capacity of the lithium-ion battery will decrease over time.

Extending the life of your battery

Correct EV Operation

By following the points below, it is possible to extend the life of the lithium-ion battery.

-Points for when charging

- Use the Long-Life Mode (Charging 80%) when the vehicle is not required to drive long distances.
- Do not carry out repetitive charging to keep the battery at full capacity.
- Please try to always charge the battery using the normal method and avoid rapid charging where possible.
- Use the Long-Life Mode (Charging 80%) when the rapid charging is required on a frequent basis.

- Driving Points

- Try to keep from speeding when traveling on free-ways.
- Keep a good driving distance between other cars to help avoid the need for sudden braking or acceleration.
- Only have the luggage that you need for the intended trip.

- Other points to consider

- Try to avoid parking the vehicle in extreme temperatures for long periods of time.
- Try to avoid leaving the battery in extreme low charge levels for extended periods.
- Charge the vehicle at least once every three months using the long-life mode if it is not to be used for an extended period.

Note

- The capacity of lithium-ion batteries slowly deteriorates over time according to how much it gets charged and how the vehicle is driven. This is a characteristic of lithium-ion batteries, and is not seen as a fault.

Timer Functions

Convenient Support Functions

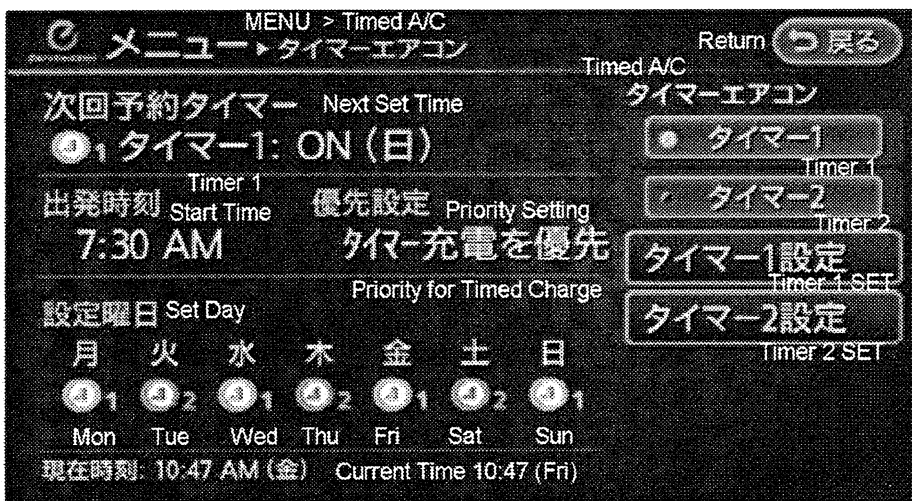
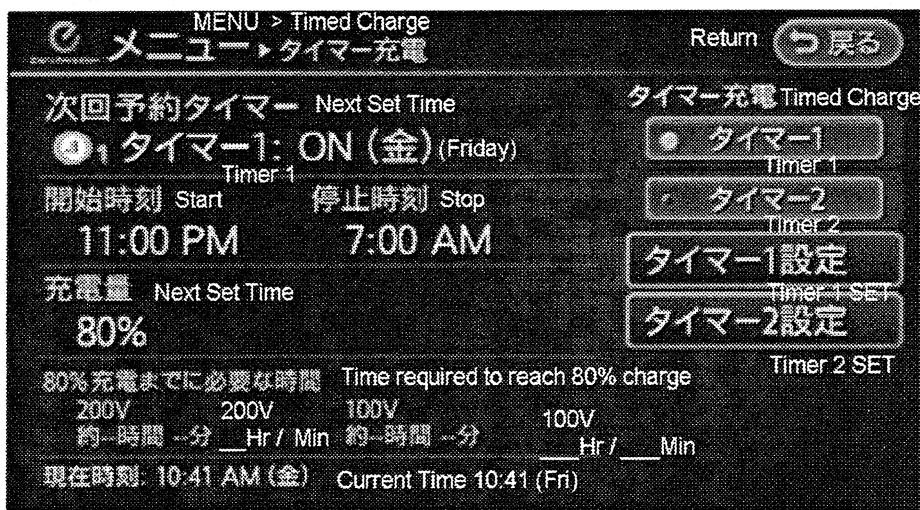
- There is a timer charging function available on this vehicle where charging start and stop times can be set in advance. This can be set on the navigation screen to utilize cheaper power pricing options.

- Timer Air-conditioning

An Air Conditioning Timing option is available on this vehicle. This function allows the driver to turn on the air conditioning prior to start to make sure that the vehicle is either cool or warm depending on weather conditions.

Note

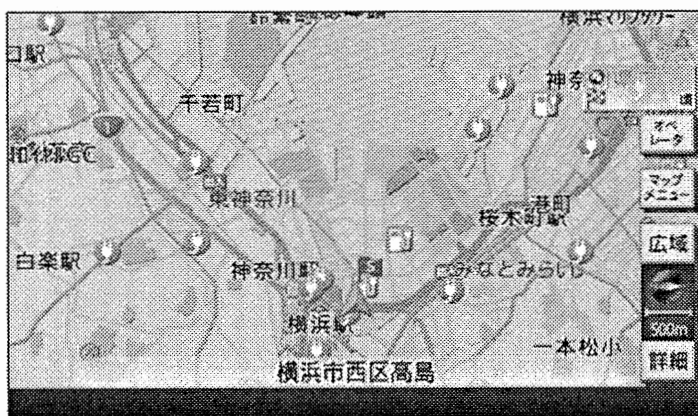
-For models that do not have the navigation system available, the timer charging and timer air conditioning options can still be set using the selections on the instrument meter panel.



There is a convenient support function to help drivers using EV vehicles for the first time or to help make a driving plan.
See your navigation system manual for more details.

- This allows you to estimate the distance range achievable using the remaining charge left in the lithium-ion battery.

* If this vehicle has a standard Japanese Domestic GPS system, it may not be able to show settings to suit your country.



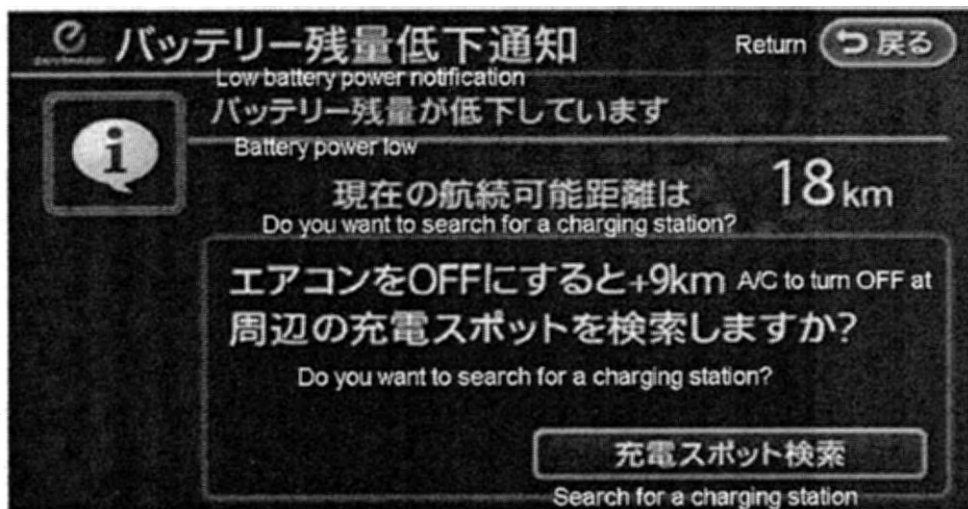
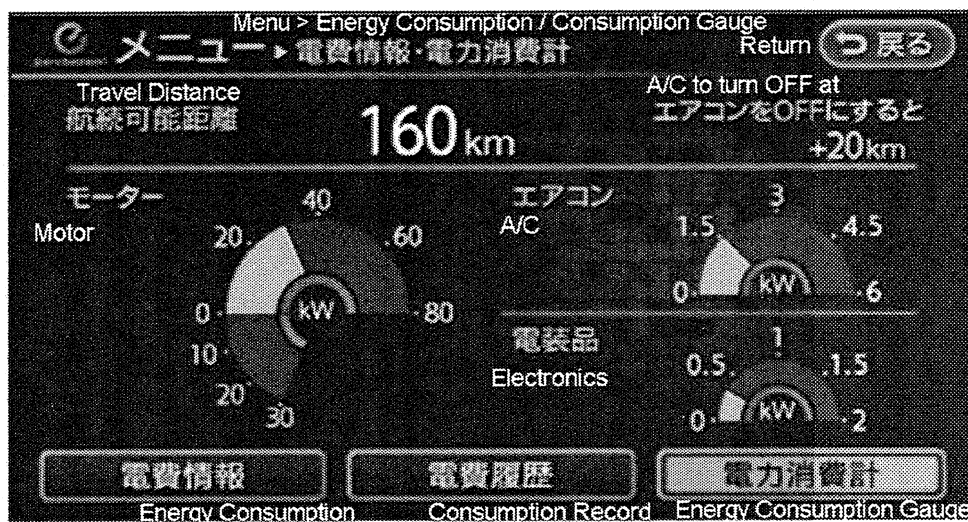
Navigation System Support Function (Navigation system fitted vehicles) Convenient Support Functions

- Will be displayed while driving
- Power Consumption Display

This displays the power consumption level from the motor, A/C and other electrical devices. Also, turning the A/C on and off will increase or decrease the traveling distance accordingly.

- Low battery power notification

A notification will be shown in the instrument panel or on the navigation screen when the system detects that there is not enough power left in the battery to reach the destination.



Navigation System Support Function (Navigation system fitted vehicles) Convenient Support Functions

You can use a personal computer or cell phone to notify you of the charging status or if you have forgotten to insert the charging plug, or remotely control charging or air conditioning. See the "N-LinkOWNERS Site ([http:// n-link.nissan.co.jp/MANUAL](http://n-link.nissan.co.jp/MANUAL))" for more details.

- Charging information notifications*

-Battery status checks

You can check the current lithium-ion battery power status remotely.

- Plug-in charge reminder

By recording charging stations that you frequently visit, a notification can be sent to you by email if you forget to insert the charge plug.

- An email will also be sent when charging is stopped (includes when charging remotely).



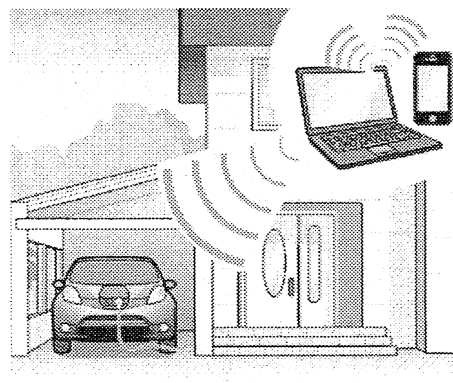
Navigation System Support Function (Navigation system fitted vehicles) Convenient Support Functions

-Remote Function*

- Charging start can be carried out away from the vehicle using the remote-control function.

-Before driving Air conditioner (remote) timer

Even if you do not set the air conditioner, you can operate the air conditioner before entering the car using the remote-control option.



Charging**- Before charging**

This vehicle is not refuelled at Gasoline Stations, instead the vehicle's battery is simply recharged at home or at designated charging stations. There are two types of charging options available, normal charging and rapid charging.

-Normal Charging

Normal charging is when the vehicle's charging cable is simply inserted into a power socket at home on a daily basis. For Normal Charging, there are the following three options.

-Fast Charging

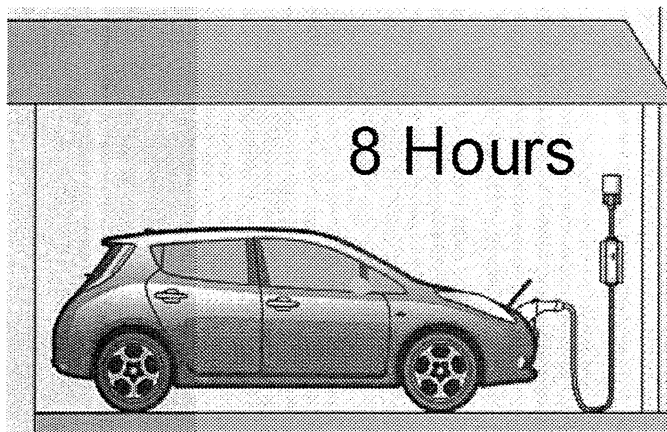
Charging can be started immediately after inserting the Charging Cable into a power socket.

- Remote Charging*

Charging can be started remotely using a computer or your cell-phone.

- Timer Charging

Set the time you want the vehicle to start charging.



*This is an approximate guide from the time when the low battery warning light shows to full charge. (There can be up to a two-hour charging time difference depending on the temperature.)

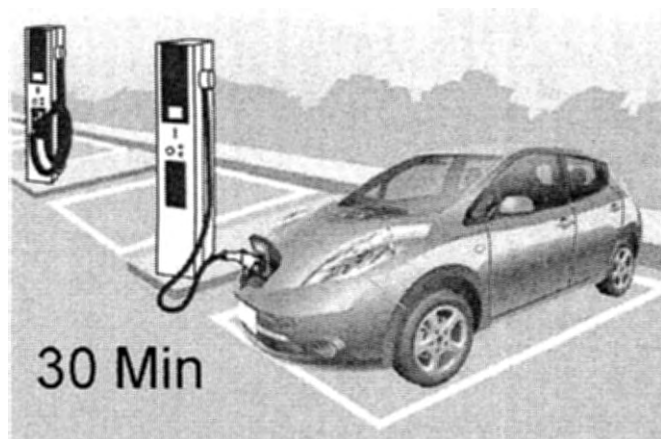
Note

- Normal charging times will vary depending on the temperature of the lithium-ion battery, its current level of charge, how old it is, and the state of the power source.
- Even though an AC100V Charging Cable may be used, we recommend an AC200V Charging Cable to reduce the required charging time. See your local dealer for AC100V Charging Cables.
- See the "N-LinkOWNERS Site(<http://n-link.nissan.co.jp/MANUAL>)" for details.

Charging**- Before charging**

- Rapid Charging is using a facility when out and about designed for a quick charging purpose. Please use a CHAdeMO*1 specification rapid charging service.
Rapid Charging

*CHAdeMO is a rapid charging service designed for electric vehicles in Japan.



*2: This is an approximate guide from the time when the low battery warning light shows to 80% of a full charge. (There can be up to a large charging time difference depending on the temperature.) - See Rapid Charging Times

▲ Warning

-Make sure that you only use an approved Rapid Charging service designed for the Nissan Leaf. There is a risk of fires or breakdown if a Rapid Charging service not designed for this vehicle is used.

Advice

- Make sure you follow the fundamental rules when using a rapid charge service. Mistaken operation could lead to damaging the vehicle or the rapid charging equipment.

Note

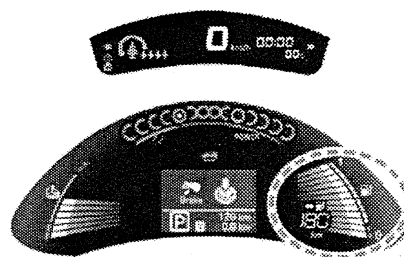
- Most rapid charging facilities are based on a User-Pay system. Rates and charges etc. will differ depending on the facility and your own charging requirements.

Checking Charging level**Before charging**

There are three ways to check the charging level.

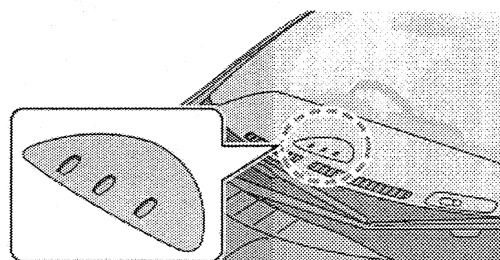
-Pressing the Power Position Button during the charging process will display the charging level of the lithium-ion battery in the meter.

Lithium-ion battery Level Gage

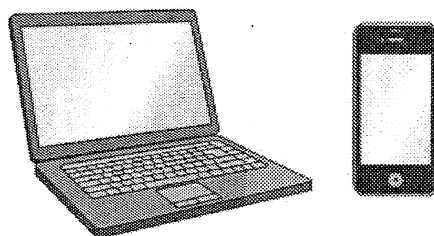


- Check the upper arc of the instrument panel for the charging indicator for a basic current charging level during charging.

Charging Indicator



- The current charging level can also be checked remotely* by computer or cell-phone.

**Note**

Press the power switch during charging and charging will continue even if the Power Position Button is placed in the ON position.

Note

- See the "N-LinkOWNERS Site(<http://n-link.nissan.co.jp/MANUAL>)" for details.

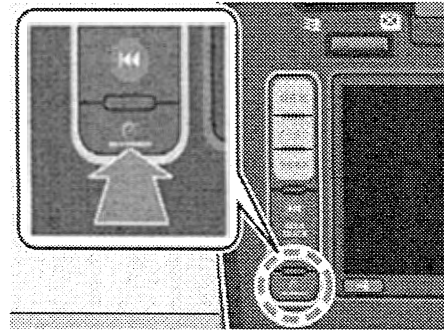
Long Life Mode

Before charging

By limiting the charge level to 80%, it is possible to extend the life of the lithium-ion battery.

- Long Life Mode Setting (Navigation System fitted models)

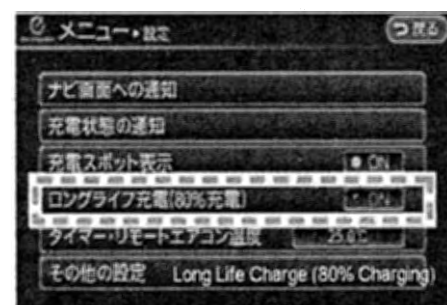
Push the Zero Emission button.



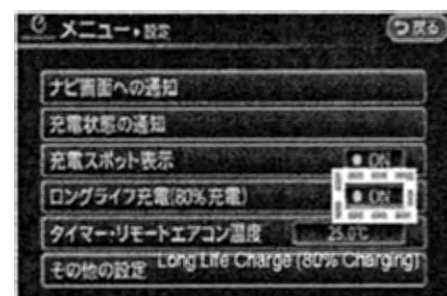
2. Press the“設定”(Settings) button.



3. Press the “ロングライフ充電(80%充電)”(Long Life Charge (80% Charging))



4. The indicator light will show when the Long-Life option is ON.

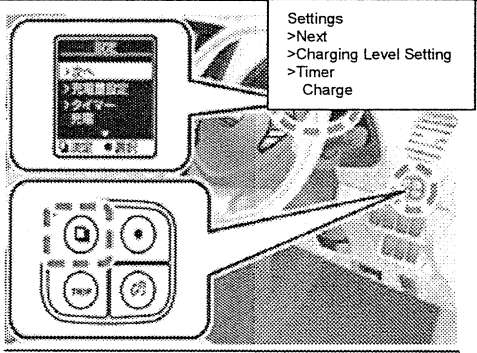
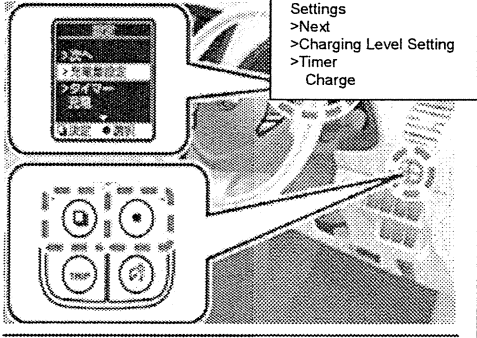
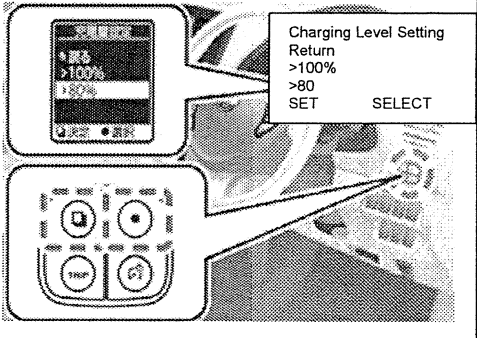


Note

- Timer Charging Long Life Mode settings are carried out on the “タイマー充電の予約画面”(Timer Charging Reservation Screen).

- When using fast charging or remote charging* with the Long-Life Mode ON while the charging level is set at 100% at the same time, the charging mode level will revert to the 100% charging level when in Timer Charging.

Long Life Mode**Before charging****- Long Life Mode Setting (Non-Navigation System fitted models)**

1	Press the SET button a few times on the Drive Computer inside the meter to get to the Settings screen.	
2	Press the Select button to select Charging Level Setting and then press the SET button to confirm.	
3	Press the Select button to choose 80%, and then press the SET button to confirm.	
4	From now, the next charge level will be 80%	

Note

- To place the Charging level at 100% again, carry out step 3 once more and select 100%.

Charging: Cautionary Points**Before charging****▲ Warning**

People who have pace-makers, IMPLANTABLE CARDIOVERTER DEFIBRILLATORS (ICD), or any other medical device that uses electricity should read the following points.

- Only carry out any charging after checking with the medical electrical equipment manufacturer about any influence that could occur on the equipment.
- Do not go into the vehicle (including the luggage room) during charging.
- Please do not allow charging with inexperienced people, and do not use the charging cable within reach of young children.
- Do not allow the metal contacts of the charging port, charging connector, plug and socket to touch any other metal items.
- Stop the charging process immediately if there is any signs or smell of burning or overheating etc.
- Do not touch any of part of the charging equipment or the vehicle itself in the event of an electrical storm. There is a risk of electrical shock.
- Do not attempt to insert or remove the plug with wet hands. There is a risk of electrical shock.
- Do not use the charging plug with an extension cord or other unapproved electrical adapter. (See your service provider if using equipment outside of Japan.)
- Do not attempt to charge in extremely wet conditions, where water is pooling around the vehicle or the power socket.

▲ Caution

- The cooling fan in the motor room may come on periodically during charging. Make sure that you do not put any limbs or other items inside this area during the charging process.
- There is a danger that the vehicle will start and cause an accident if the charging connector is not inserted to its base.

Advice

- Do not drop or allow heavy impacts directly onto the charging equipment.
- Only use approved genuine charging equipment from the manufacturer.
- Make sure that the charging port is not frozen in cold areas before attempting to charge or remove the charging equipment.
- Do not store the charging equipment in areas that exceed 85 degrees in temperature.
- Do not place the charging equipment close to any areas that may become hot such as ovens etc.
- Make sure that the Charging Port cap is closed again correctly after the charging process is complete. There is a risk that foreign particles or water could enter the charging port causing problems or damage.
- Do not connect any 12V booster cable to the vehicle while the lithium-ion battery is being charged. Mistaken operation like this could lead to damaging the vehicle or the charging equipment.
- Try to avoid pulling, twisting, folding, stepping-on, or loading the charging cable wherever possible.
- Check the charging port, charging cable, and plugs etc. for water, rust, corrosion, foreign matter, or damage etc. before starting the charging process. See your service provider for advice if any of these are found on the charging equipment.
- Never place any other items other the designated charging equipment into the charging port. Mistaken operation like this could lead to damaging the vehicle or the charging equipment.
- Never attempt to dismantle, repair or modify the charging port or the charging equipment in any way.
- Do not allow any water etc. to enter the control box.
- Do not charge the vehicle while it is under any type of body cover etc. (Except where a designated Nissan Leaf cover is being used)
- Under no circumstances attempt to charge the vehicle using any sort of electrical generator.

Note

- Charging is not possible using both the rapid charging system and the normal charging system at the same time.
- It is not possible to drive the vehicle while the charging connector is connected.
- The radio receiver can become subject to intermittent receiving during charging.
- Charging times will vary according to the following:
 - The current charge level when charging was started.
 - The age of the lithium-ion battery
 - The temperature of the lithium-ion battery
 - The power level available and the type of charging equipment used
- It is normal for the cooling pump or the cooling fan to start intermittently during the charging process.

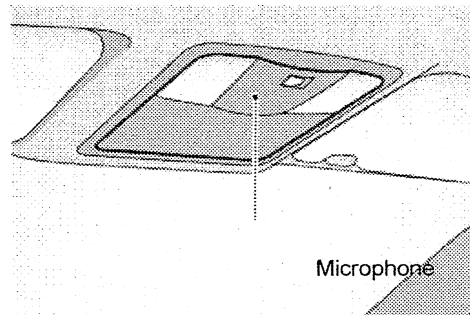
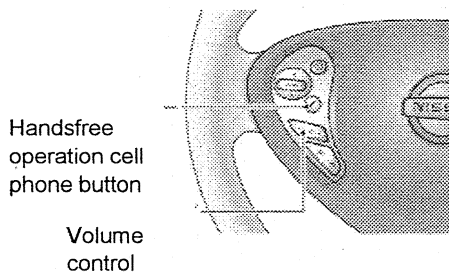
Cell-Phone Pairing

Bluetooth Pairing of Cell Phone

Note

- Due to the nature of this system being based in the Japanese language, and being designed for use in Japan, the following details the basic features of cellphone pairing for handsfree use.

Operation Button / Microphone position



Step 1: Turn on your cellphone's Bluetooth function.

Step 2: Press the Handsfree Cellphone button on the steering wheel.

A message will show in Japanese that there is no connection to your device, then a new option will show on the screen in Japanese as follows:

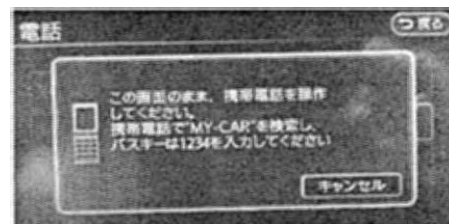
“電話機登録”(Telephone registration)

Press this selection.

Step 3:

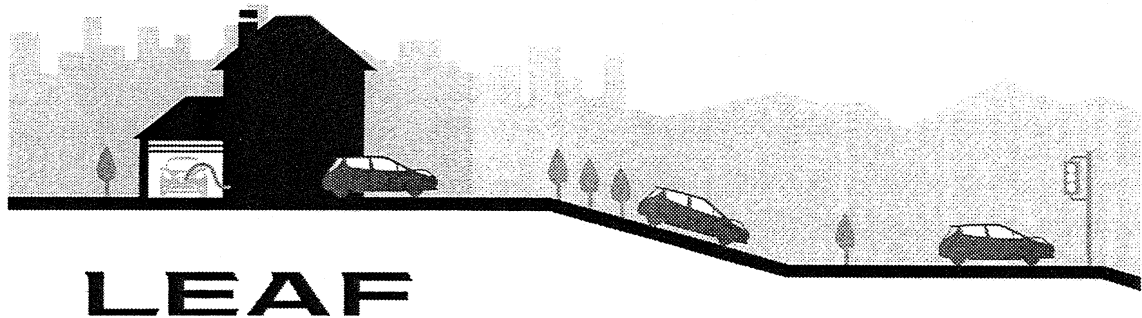
The screen to the right will be displayed, which translated as follows:

“Start your telephone (place the Bluetooth function on) while this screen is displayed. Find the “MY-CAR” setting shown on your telephones Bluetooth options (once it picks up the LEAF systems signal), and then type the Password “1234” to pair your cellphone with the system”.



From now you can make and receive phone calls by pressing the Handsfree Cellphone button on the steering wheel, and then entering the desired number under the “ダイヤル入力” (Dial the number) and then pressing “電話をかける”(Place the call).

To end the call, press “電話を切る”(End call).



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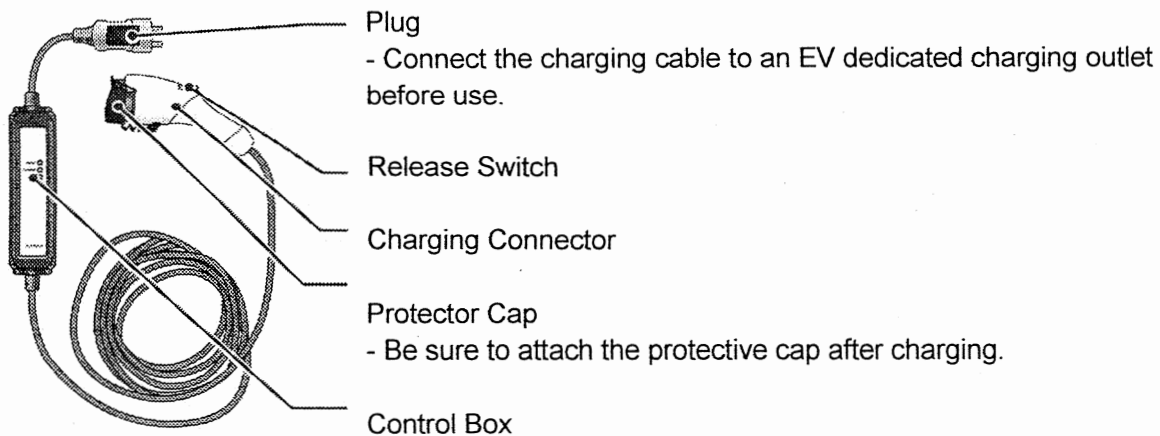
The following is covered in this Quick Guide:

Charging Cable	51
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Stopping (Power Switch OFF)	71
Emergency Brake	72
Lane Departure Warning System	73
Easy Driving	74
Moderate Air Conditioning use	74
Timer Charging	75

Leaf Equipment

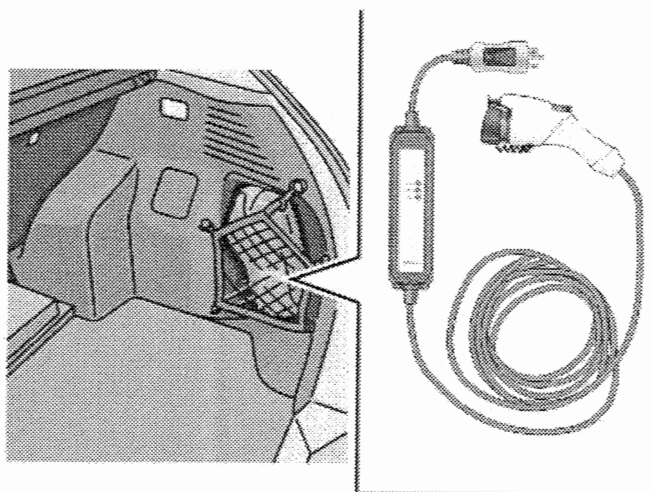
Charging Cable

An AC200V Charging Cable is included with this Leaf.



You will need a dedicated 100V charging cable to charge at 100V. See your service provider for details. However, except for special cases, we recommend using an AC200V for short charging times.

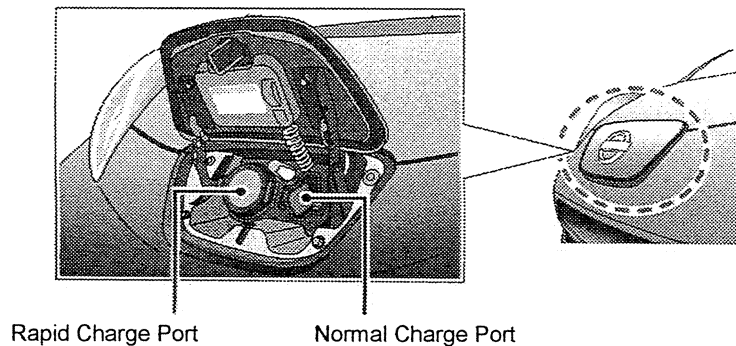
Storage Areas



The Charging Cable is stored in the luggage room (boot) inside the Charging Cable Storage Bag.

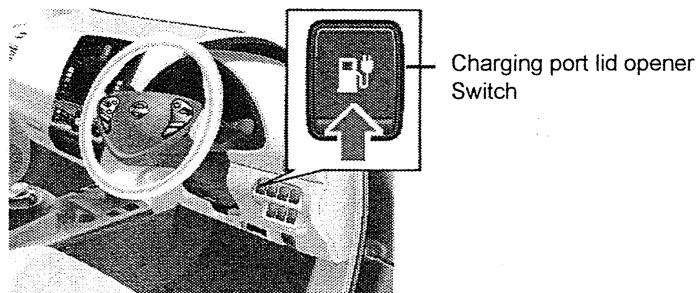
Charging Port

The charging port is found in the charging port lid at the front of the vehicle, with the quick charging port (black) on the left side and the normal charging port (orange on the right).



How to open the charging port

When the power switch is OFF, push the charging port lid opener switch to open it.

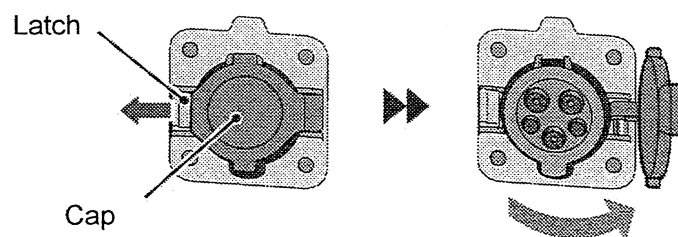


The Charging Port can also be opened by pressing the Intelligent Key Charging Connector Lock Release Switch for over 1 second.

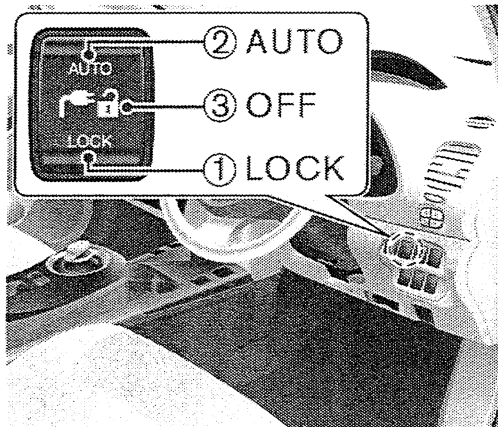
Opening the Charge Port Cap

Press the latch to open the cap.

The picture shows the normal charging cap.



Leaf Equipment



Charging Connector Lock

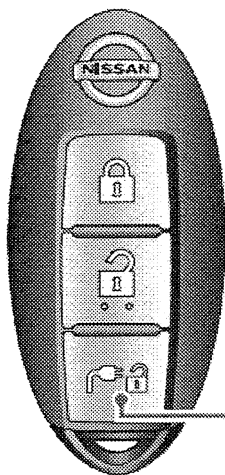
Placing the Charging Connector Lock Switch into either the LOCK or AUTO position will automatically lock the system while the Charging Cable is connected.

Charging Connector Switch Operation

1. Press the lower side of the LOCK switch, it will light up and lock during charging.
2. Press the upper side of the AUTO, it will light up and lock only during charging, with automatically unlocking when charging is finished.
3. Place the switch in the middle position when you do not require the LOCK function.

Unlocking the Charging Connector Lock

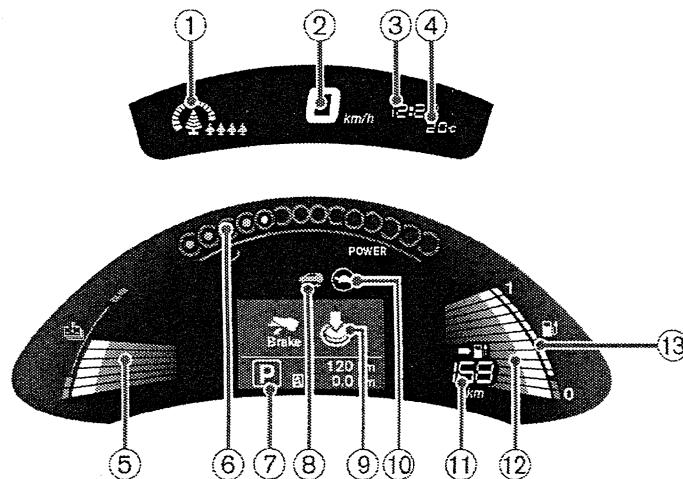
The Charging Connector Lock can be unlocked by pressing the Intelligent Key Charging Connector Lock Release Switch for over 1 second, then the locking mechanism will be unlocked for 30 sec.



Charging Connector Unlock Switch

The system will unlock the mechanism for 30sec when the charge port lid opener switch is pressed inside the vehicle, or the door is unlocked.

Meters



1. Checking driving performance with Eco Indicator Drive. The Eco Drive level varies according to accelerator, brake, and air conditioning usage.

2. Speed Meter

3. Clock

4. Outside temperature gauge

5. Lithium-ion battery temperature gauge

6. Power Meter

Displays the motor output, and the amount of power being collected for the lithium-ion battery the during travel.

7. Position Indicator

Displays the Shift Position of the Select Lever.

8. Driving Range Indicator

This indicator will show when the vehicle is travel ready.

9. Vehicle Information Display

10. Output Limit Display Light

- This light will show when motor output restrictions are on due to the remaining power capacity of the lithium-ion battery being low.

11. Available Travel Distance

This indicator displays an estimated distance based on your current driving conditions that vehicle can travel before the lithium-ion battery runs out of power.

12. Lithium-ion Battery Level Gauge

Displays remaining power in the lithium-ion battery.

13. Lithium-ion Battery Capacity Gauge

Displays how much power capacity the lithium-ion battery can take.

IMPORTANT:

- The displayed available travel distance is also subject to variance when the air conditioner or the ECO Mode is engaged. Distances the vehicle can travel on the current power levels are also subject to variance due to severe outside temperatures and steep upward climbs.



NISSAN LEAF

OWNER'S MANUAL



CAUTION

- Make sure that all operators read and understand all of the instructions detailed in this booklet before attempting any operation with this vehicle
- Keep this booklet in a safe place on the vehicle where it can be retrieved easily
- Pass this booklet on to the next owner at the time of resale