OUTLANDER PHEV

QUICK GUIDE

MITSUBISHI MOTORS

Contents

This quick guide has been prepared to help you enjoy safe and comfortable driving.

This quick guide is a short version of the owner's manual. For details, please refer to the owner's manual.

This quick guide covers a range of specifications and manufacturer's options, so some of the descriptions may not apply to your OUTLANDER Plug-in Hybrid Electric Vehicle.

A few tips to get you started!

Congratulations on purchasing your new Outlander Plug-In Hybrid Electric Vehicle!
Here's a list of a few important things you need to know:

1. We've supplied you with a charging hook which secures directly beside your dedicated charging outlet. Simply peel the backing strip away and stick to a dry, clean surface. When charging, simply hang the control box of the charging cable on the hook.
2. When you get home, make sure you plug-in your Outlander and set to charge overnight to take advantage of off-peak electricity rates after 11pm. You can check the remaining time until fully charged on the instrument centre display panel.
3. Your vehicle takes 91 unleaded fuel, available at any service station.
4. Your first service is at 1,500km or within one month. But don't worry if you forget, we'll be in contact to remind you!
5. To download your Smartphone application, simply visit Google play or apple app store and search 'Outlander PHEV'.
6. Only have your Outlander serviced by a recognised Mitsubishi Motors dealer, for a list of dealers visit mmnz.co.nz/find-a-dealer/.

Fuel saving tips

We've also put together some top fuel saving tips to help you get the most out your Outlander Plug-In Hybrid Electric Vehicle.

1. Keep the Battery Charged: Keeping the battery charged ensures that you will use as much electricity and as little petrol as possible, saving you fuel and money. It will also help to maximize your Electric Vehicle driving range.
2. Off-Peak Charging: To take maximum advantage of owning the Outlander Plug-In Hybrid be sure to set your charge times to when electric power rates are at their lowest. Check with your electricity provider for your 'Off-Peak' details.
3. Warm up or cool the car down before driving while the car is still connected to the house power supply. This will reduce the power drain on the battery when you start driving and maximise your Electric Vehicle range.
4. Use the seat heaters to warm you up as they use less battery power than the car heater.
5. Turn the air conditioning off when not needed.
6. Use Economy Mode: This mode maximizes the vehicle's fuel economy and can be activated by simply pressing the 'ECO' button. The economy mode limits other aspects of the vehicle's performance, such as acceleration rate and air-conditioning to save fuel.
7. Accelerate keeping the 'Power' needle in the green range and the petrol engine will not start.
8. Avoid Hard Braking: Anticipate stopping and brake gently or moderately. This allows the vehicle's regenerative braking system to recover energy from the vehicle's forward motion and store it as electricity. Hard braking causes the vehicle to use its conventional friction brakes, which do not recover energy. When using regenerative braking, the 'negative' paddle increases the amount of regenerative braking and therefore increases the braking force on the vehicle.
9. Only use 4WD Lock Mode when additional traction or stability is required.
10. Display Screens: Familiarise yourself with the car's hybrid information display so you can monitor how much energy is being used.

Plug-in Hybrid EV System

What is the Plug-in Hybrid EV System?

– In the EV Drive mode, the vehicle is driven only by the electric motors, just like an electric vehicle, over a certain distance, using the electricity stored in the drive battery. Once the drive battery charge is low or when powerful acceleration is needed, the vehicle operates in the Series Hybrid mode.

  When high-speed driving is needed, the vehicle is driven by the engine in the Parallel Hybrid mode.

– The high-performance motors greatly reduce noise and vibration while driving and provide powerful acceleration.

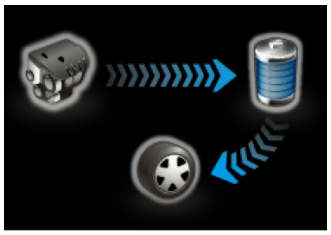
– The regenerative brake system automatically starts to charge the drive battery when the accelerator pedal is released.

– The battery can be charged via the AC220–240 V charge port. If your vehicle has an optional quick charge port, the battery can be charged at a CHAdeMO* charging station.

*CHAdeMO is a quick charging standard for EVs that is promoted by Japan for adoption as an international standard.

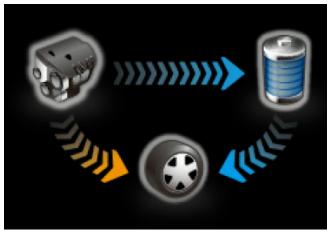
EV Drive MODE

The vehicle is driven only by the motors using the electricity stored in the drive battery.



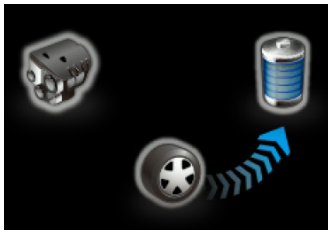
Series Hybrid Mode

Once the drive battery level is low or when powerful thrust is required such as during rapid acceleration or hill climbing, the vehicle is driven only by the motors using engine-generated electricity.



Parallel Hybrid Mode

In high-speed driving when the engine runs efficiently, the vehicle is driven by the engine and is assisted by the motors.



Regenerative Brake System

Motion energy is converted into electric energy using the motor as a power generator.

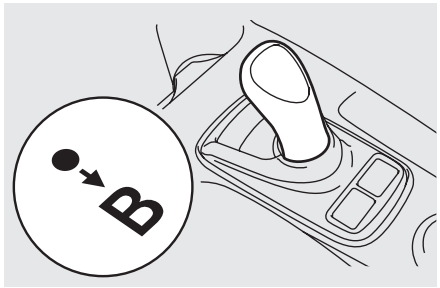
Then a braking force generates and converted electric energy will be charged to the drive battery.

The intensity of regenerative brake can be selected from among two levels using the selector lever.

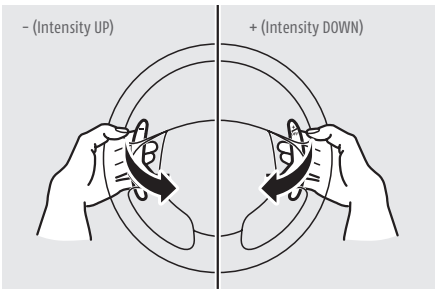
The intensity can be selected from among six levels using the paddles.

If a large regenerative braking force is applied by using the selector lever or the regenerative braking level selector (paddle), the brake lamps will be automatically illuminated.

Selector lever (Joystick type)



Paddle



Roles of Motors and Engine in Various Modes

Mode	Motors	Engine
EV Drive mode	Drive the vehicle	OFF
Series Hybrid mode	Drive the vehicle	Generate electricity
Parallel Hybrid mode	Drive the vehicle	Drive the front wheels + Generate electricity

EV System/Selector Lever Operation

Starting the Plug-in Hybrid EV System

Step 1 Ensure that the charge connector is disconnected from the vehicle.

Step 2 Ensure that the parking brake is applied.

Step 3 Depress the brake pedal completely.

Step 4 Press the power switch completely.

⇨ Do not release the brake pedal until the system has successfully started.

Step 5 Ensure that the READY indicator is illuminated.

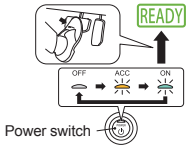
⇨ Do not operate the selector lever until the READY indicator is illuminated. If the selector lever is operated while the READY indicator is still blinking, the system will not start.

Is Something Really Wrong?

- If the plug-in hybrid EV system cannot be started, return the operation mode to OFF. Wait for more than 10 seconds and then repeat the startup steps 1 to 5.
- If position Ⓓ or Ⓡ cannot be selected (display not changing to Ⓓ or Ⓡ) using the selector lever when the READY indicator is illuminated, the brake pedal may not be depressed completely. Depress the brake pedal completely and then repeat the start-off steps 1 to 4 before selecting Ⓓ or Ⓡ.

Important Points!

- To enter the READY mode, press the power switch while holding down the brake pedal.
- To put the operation mode to OFF, press the switch once when the indicator lamp is blue (ON) or twice when the lamp is orange (ACC) while the brake pedal is released.



Operating the Selector Lever

To start the vehicle from a standstill, follow the steps below.

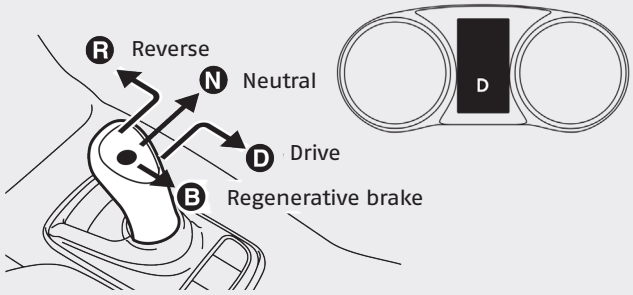
Step 1 Ensure that the READY indicator is illuminated.

⇨ You cannot shift into Ⓓ or Ⓡ even if you move the selector to those positions while the READY indicator is extinguished or blinking. The selected position display will not change to Ⓓ or Ⓡ, either.

Step 2 Depress the brake pedal completely.

Step 3 Move the selector lever to Ⓓ or Ⓡ.

Step 4 Ensure that the selected position display shows Ⓓ or Ⓡ.



◇ Use position Ⓑ when powerful braking is needed such as when driving down a steep hill.
Position Ⓑ is only selectable from position Ⓓ.

Warning!

- While driving, do not put any object near the selector lever, which may be accidentally pushed against the selector, which may then move into Ⓝ.

Around the Selector Lever

01 SPORT mode switch

Pressing the switch while the READY indicator is on, you can switch the SPORT mode. This mode enables quick acceleration in response to operation of the accelerator pedal and quick deceleration by strong regenerative braking force. To cancel the SPORT mode, press the switch again or put the operation mode in OFF.

02 Drive mode switch

Operating the switch with the operation mode in ON, you can change the S-AWC drive mode.

Drive mode	Function
NORMAL	This mode can be used on both dry and wet roads. The distribution of driving/braking torque to each wheel is automatically controlled according to the driving condition.
SNOW	This mode is for driving on slippery road surfaces, such as snow-covered roads and improves stability on a slippery road.
LOCK	This mode is for driving where maximum traction is required. This mode is suitable for driving on rough roads or driving in sand or fresh snow.

Even if the S-AWC drive mode is selected, after turning the operation mode of the power switch OFF and turning to ON again, the S-AWC drive mode is set to "NORMAL".

03 EV Switch

Pressing the switch with the operation mode in ON, you can drive the vehicle by using only the EV drive mode as much as possible, even if the accelerator pedal is roughly depressed. (EV priority mode)

04 SAVE/CHARGE mode switch

Pressing the switch with the operation mode in ON, you can change the drive battery mode in the order of SAVE, CHARGE, OFF, SAVE.

Battery save mode

To save the remaining power in the drive battery while driving, the battery save mode can be used.

When the battery save mode is activated, the engine will start in order to preserve the remaining power of the drive battery and the vehicle will operate in the series hybrid mode or the parallel hybrid mode depending on the remaining power in the drive battery.

Battery charge mode

To charge the drive battery while driving, the battery charge mode can be used. When the battery charge mode is activated, the engine will start to charge the drive battery to nearly full.

05 Selector Lever

R (Reverse) :	The vehicle moves in reverse.
N (Neutral) :	No drive is transmitted to the wheels, which are not locked either.
D (Drive) :	The vehicle moves forward.
B (Regenerative brake) :	The intensity of regenerative brake increases.

- Select position you chose is illuminated on the panel behind the selector lever and in the meter.
- Only when the select position is "Ⓓ" position, you can shift to the "Ⓑ (Regenerative brake)" position.
- When "Ⓑ" position is selected and large regenerative braking force is applied, the brake lamps will automatically illuminate.

06 Electrical Parking Switch

Press the switch to lock the wheels when you are parking your vehicle. The indicator lamp on the switch illuminates in green.

07 Electric Parking Brake Switch

Pull up the switch while depressing the brake pedal to apply the parking brake. The indicator lamp on the switch will come on.

Press the switch while depressing the brake pedal to release the parking brake.

08 Brake Auto Hold Switch

Pressing the switch while all of the following conditions are met, the brake auto hold system will change to the standby state and the indicator lamp on the switch comes on.

- The operation mode of the power switch in ON.
- The driver's seat belt is fastened.
- The driver's door is closed.

When the vehicle is stopped by depressing the brake pedal with the select position in any position other than "Ⓟ" (PARK) or "Ⓡ" (REVERSE), the system activates and the vehicle can be held stationary even if you release your foot from the brake pedal.

The brake auto hold indicator lamp in the instrument cluster will come on while the system activates.

When the accelerator pedal is depressed, the brakes are released.

Charging

The drive battery can be charged from a charging source using one of the methods shown below, using the dedicated charge port on the vehicle.

Charging method	Charge port	Charge connector	Charging source	Charging time* 1
Normal (AC 230 V/8 A)			230 V household outlet	Approx 7 hours
Quick				Approx 25 minutes (Up to 80% charge)

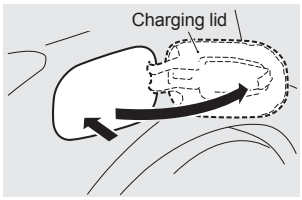
* 1: Use this time as a guide because the rated AC voltage and the rated current value may differ from country to country. Also, charging time will vary depending on the condition of the drive battery, air temperature, electric power consumption of electrical devices during charging and condition of the power source. (such as specifications of the quick charger)

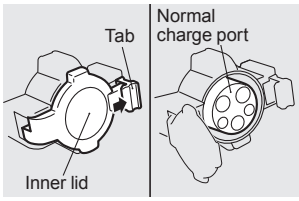
- Do not touch the metallic terminals on the normal charge port or connector, or those on the quick charge port or connector. Otherwise, electric shock and/or component failure may result.

Normal Charging

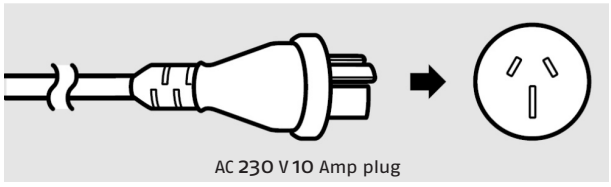
- Before inserting the charge connector into the port, set the operation mode to OFF. If you open the charging lid or insert the charge connector into the port while the operation mode is ON, the buzzer will sound to alert you.

1. Apply the parking brake, press the electrical parking switch and set the select position to Ⓟ in showing display.
2. Turn off the lights and other electric systems. Put the operation mode to OFF.
3. After unlocking the driver's door, open the charging lid until it clicks. Release the tab to open the inner lid.

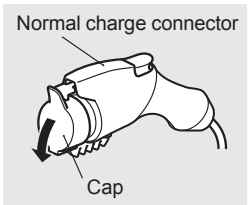




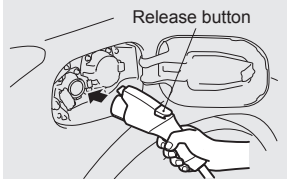
4. Insert the plug on the normal charging cable into the outlet.

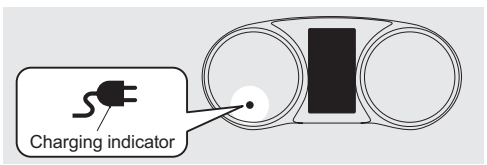


5. Open the cap on the normal charge connector. Hold the handle of the connector and, without pressing the release button, insert the connector until it clicks. When charging is started, the charging port courtesy lamp blinks three times.



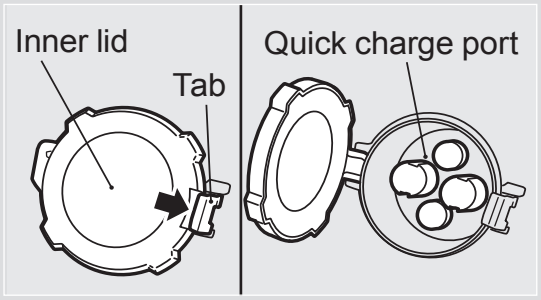
6. The charging indicator on the instrument cluster should illuminate. The charging indicator goes out when charging is completed.





Quick Charging

1. Carry out Steps 1 to 3 described in "Normal Charging." In Step 3, open the quick charge port lid instead of the normal charge port lid.



2. Insert the quick charge connector into the quick charge port to start charging. Follow the instructions of the quick charger manual for correct connection and disconnection of the charger. When charging is started, the charging port courtesy lamp blinks three times.
3. The charging indicator on the instrument cluster should illuminate. The charging indicator goes out when charging is completed. Charging automatically stops at 60 minutes after the start of charging. Although it is possible to start the electric motor unit if quick charging has not finished normally, the charging indicator is continuously blinking. In such a situation, perform quick charging again and finish it normally or contact a MITSUBISHI MOTORS Authorised Service Point.

- MITSUBISHI Remote Control* enables timed charging and air conditioning on your OUTLANDER PHEV. For details, please refer to the owner's manual or go to the following MITSUBISHI MOTORS web site.

  URL: https://www.mitsubishi-motors.com/en/products/outlander_phev2/app/remote/

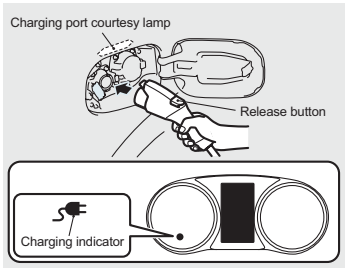
* MITSUBISHI Remote Control enables you to remotely control your OUTLANDER PHEV using dedicated applications over a connection between your vehicle and a wireless LAN device.

Using Electric Devices During Charging

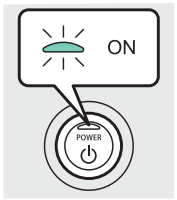
How to use electric device during charging

If you turn the operation mode of the power switch to "ON" during normal charging, quick charging, V2H charging, V2H power supply, you can use the air conditioner, car navigation system, audio equipment and so on.

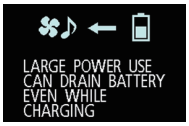
How to use



1. Start the normal charging or the quick charging. Refer to "Normal charging" on page 6. Refer to "Quick charging" on page 6.
2. After confirming the normal charging or the quick charging began correctly, put the operation mode of the power switch in ON.



3. The message on the right will appear on the information screen in the multi information display[*1] and electric devices such as air conditioner[*2], car navigation system, audio equipment can be used.



Automatic OFF of the operation mode*3

In the following cases, the operation mode will be turned to OFF automatically.

- When the remaining amount of the drive battery further decreases after air conditioner is stopped.
- When the outside air temperature is low and the following warning display is shown.

- When charging is completed.
- When the normal charge connector is disconnected.
- When the charging stop operation is performed by the quick charger.
- When quick charging time has passed 60 minutes.
- When the stop condition (charging amount/charging time) on the quick charger is satisfied.
- When charging stops due to the electrical power outage.
- When charging stops due to a failure.
- When operating the selector lever to "N" (NEUTRAL) position. (charging also stops)

[*1] Other messages with higher priority may be displayed.

[*2] For vehicles without electric heater, heating of air conditioner cannot be used during charging.

[*3] Even when the operation mode automatically turns off, air conditioners, car navigation systems, audio equipment, etc. will stop.

Also, the vehicle status will be the same as putting OFF the operation mode such as the lights turn off, the room lamp is illuminated or retract the electric mirrors.

Automatic stop of the air conditioner

- 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 drive battery becomes low and the warning is displayed.
- When the temperature of the drive battery becomes extremely low and the warning is displayed.

Energy flow display during charging

- When the charge connector is connected to the charge port, the energy flow display during charging can be displayed by operating the multi-information display switch. You can see the state of charging and discharginig of the drive battery.[*4]

When charging the drive battery

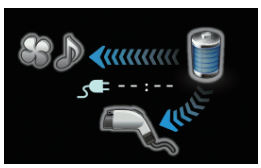
- This is a display when charging the drive battery. Charging stops when the drive battery is fully charged.

When discharging from the drive battery

- This is a display when discharging from the drive battery. If you want to charge, put the operation mode of the power switch in OFF or operate the air condition etc.

When the V2H power supply

- This is a display when the electricity is being supply to the V2H system.



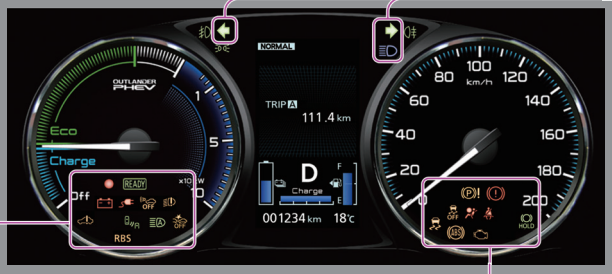
[*4] Even when you are not operating air conditioner, car navigation system, audio equipment, etc., since the on-board computer consumes electricity, arrows may be displayed from the charger or the drive battery.

Energy flow display may change regardless of the operation of air conditioner, car navigation system, audio equipment, etc.

If you change the setting of the air conditioner, it may take time until the display of energy flow stabilizes.

Indicator and Warning Lamps on the Instrument Cluster

If a warning lamp stays illuminated or keeps blinking, check the details in the owner's manual and contact your MITSUBISHI MOTORS Authorised Service Point.



Security Indicator
This indicator blinks according to condition of the security alarm activation.

READY Indicator
The indicator keeps blinking while the plug-in hybrid EV system is activated. The indicator stops blinking and stays illuminated when the start-up process is completed and the system is ready for driving.

Auxiliary Battery Charge Warning Lamp
The lamp illuminates when there is a charging system fault.

Charging Indicator
This indicator illuminates when the drive battery is being charged. If quick charging has not finished normally, the indicator continuously blinks.

Plug-in Hybrid EV System Warning Lamp
This lamp illuminates when there is a PHEV system fault.

Acoustic Vehicle Alerting System OFF Indicator Lamp
This indicator lamp illuminates when the acoustic vehicle alerting system is deactivated.

LED Head Lamp Warning Lamp
This lamp illuminates when there is a LED head lamp failure.

Blind Spot Warning (BSW) Indicator Lamp
This lamp illuminates when the blind spot warning and rear cross traffic alert system are activated.

Automatic High Beam (AHB) Indicator Lamp
This lamp illuminates when the automatic high beam system is activated.

Forward Collision Mitigation System (FCM) OFF indicator lamp
This lamp illuminates when the forward collisio mitigation system is deactivated.

RBS (Regenerative Brake System) Warning Lamp
This lamp illuminates when there is an RBS failure.

Turn-Signal Indicator/Hazard Warning Indicator Lamps
These lamps blink when the turn-signal lever is operated, the hazard warning indicator switch is pressed or the hazard warning indicator starts blinking automatically after hard braking

Electric Parking Brake Warning Lamp
This lamp illuminates when there is an electric parking brake failure.

Active Stability Control (ASC) OFF Indicator Lamp
This lamp illuminates when ASC is deactivated with the ASC OFF switch or when there is an ASC failure.

Active Stability Control (ASC) Indicator Lamp
This lamp blinks when ASC is activated, and illuminates when there is an ASC failure.

ABS Warning Lamp
This lamp illuminates when there is an ABS system fault.

Check Engine Warning Lamp
This lamp illuminates or blinks when there is an engine control system fault.

Brake Warning Lamp
This lamp illuminates when:
– the parking brake is applied
– the brake fluid level is too low
– there is a braking system fault

SRS Air Bag/Pretensioner Warning Lamp
This lamp illuminates when there is a fault with the SRS air bag or the pretensioner system.

Seat Belt Reminder Warning Lamp
This lamp illuminates or blinks when the driver's seat belt is not fastened.

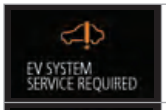
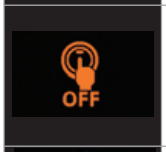
Brake Auto Hold Indicator Lamp
This lamp illuminates while the brake auto hold system operates.

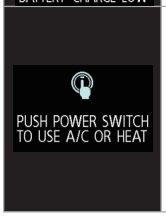
High-Beam Indicator Lamp
This lamp illuminates when the headlamps are switched to high-beam.

Warnings Shown on the Information Display

- If a warning is shown on the information display, refer to the owner's manual and take appropriate actions. The following are some of the warnings that may appear on the display.

Warnings

	• There is a fault with the plug-in hybrid EV system.
	• There is a fault with the plug-in hybrid EV system. Stop the vehicle in a safe place.
	• There is a fault with the parking lock unit. It is not possible to stop the plug-in hybrid EV system unless the parking brake is applied.
	• You are attempting to set the operation mode to "ON" when the charge connector is connected to the charge port.
	• Battery charging is interrupted by a system fault.
	• Normal charging – Charging was interrupted due to poor connection of the EV charging cable or power failure. – Charging was stopped by your operation. • Quick charging – Charging was interrupted after the predetermined set time. – Charging was interrupted due to a poor connection of the EV charging cable or a electrical power failure. – Charging was interrupted because there is a problem in the vehicle or the quick charger.
	• The driver's door is open when the operation mode is set other than OFF. • An attempt is being made to lock all of the doors and the tailgate while the operation mode is set other than OFF.
	• The operation mode is set to ON while the driver's seat belt is not fastened.
	• There is a fault with the engine oil circuit.
	• The outside temperature is below 0°C (32°F). Be careful. The road surface may be frozen.
	• There is a fault with the keyless operation system.

	• When the air conditioner stops because the drive battery level becomes low by using the air conditioner during charging.
	• When the air conditioner can be used again in the following conditions. The drive battery is enough charged while the **"A/C AND HEAT ARE NOT AVAILABLE BATTERY CHARGE LOW"** indication is displayed or the drive battery is enough heated while the **"BATTERY TOO COLD"** indication is displayed, etc.

Other Pop-ups

	• At plug-in hybrid EV system startup, the power switch is pressed while the selector position is at other than Ⓟ or the brake pedal is not depressed.
	• Drive power is limited for safety because the plug-in hybrid EV system is too hot or too cold.
	• If the vehicle had not been refueled approximately 15 litres or more at one time for 3 months, the engine starts automatically for the maintenance of the engine or the fuel system components. • This display may appear frequently depending on the use conditions of your vehicle such as when the fuel has been staying in the fuel tank for a long time. When the engine is running, this display shows the state where the drive battery is charged, and the battery charge mode display (CHARGE) is displayed. But the drive battery will not be full charge.
	• The accelerator pedal has been depressed when the select position is in the "Ⓝ" (NEUTRAL) position.
	• This pop-up can be scheduled for safe driving.

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