

**ECLIPSE CROSS
PHEV**

QUICK GUIDE



**MITSUBISHI
MOTORS**

A few tips to get you started!

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

1. When you get home, make sure you plug-in your Eclipse Cross 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.
2. Your vehicle takes 91 unleaded fuel, available at any service station.
3. 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!
4. To download your Smartphone application, simply visit Google play or apple app store and search 'Eclipse Cross PHEV'.
5. Only have your Eclipse Cross 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 Eclipse Cross 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 Eclipse Cross 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 through the Drive Mode Switch. 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. **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.

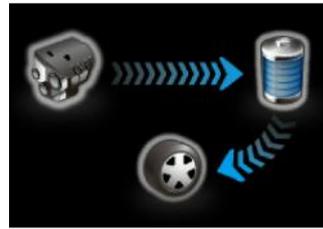
- The regenerative brake system automatically starts to charge the drive battery when the accelerator pedal is released.
- The battery can be charged via the AC230-240 V charge port. If your vehicle has an optional quick charge port, the battery can be charged at a CHAdeMO* charging station.

*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.

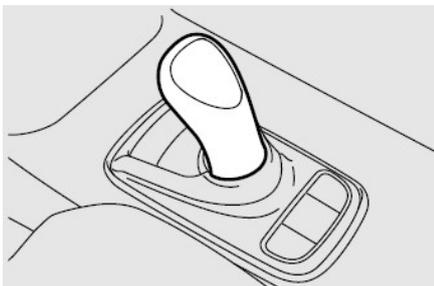


Regenerative Brake System

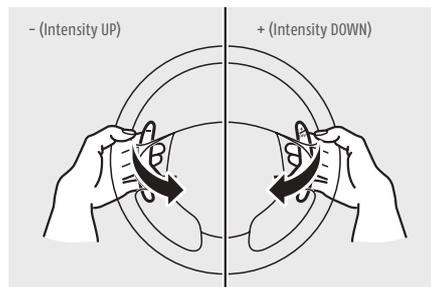
Motion energy is converted into electric energy using the motor as a power generator.

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

Selector lever (Joystick type)



Paddle



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.

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.

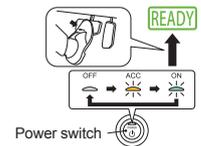


Is Something Really Wrong?

- 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 **D** or **R** cannot be selected (display not changing to **D** or **R**) 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 **D** or **R**.

Important Points!

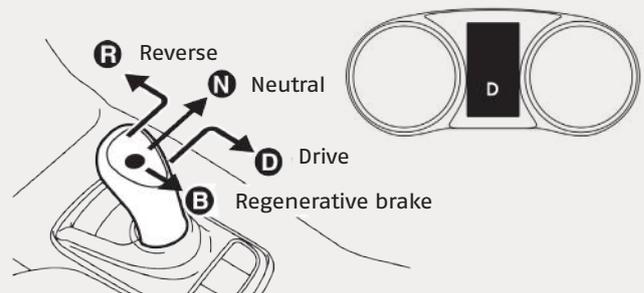
- To enter the **READY** mode, press the power switch while holding down the brake pedal.
- To put the operation mode to OFF, press the switch once when the indicator lamp is blue (ON) or twice when the lamp is orange (ACC) while the brake pedal is released.



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 **D** or **R** 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 **D** or **R**, either.
- Step 2 Depress the brake pedal completely.
- Step 3 Move the selector lever to **D** or **R**.
- Step 4 Ensure that the selected position display shows **D** or **R**.



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

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 **N**.



Around the Selector Lever



01 Drive mode switch

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

Drive mode	Function
TARMAC	This mode can be used on dry roads. The acceleration response capable of powerful acceleration and high steering performance allow for smooth and stable driving coming out of corners to realise agile driving.
GRAVEL	This mode is suitable mainly for driving on unpaved or rough roads. This mode provides 4WD high driving performance and stable cornering performance.
SNOW	This mode is chiefly suitable for the snow road. Suitability improves on a slippery road.
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.
ECO	This mode can support eco-driving. The vehicle will slowly accelerate even when pressing the accelerator pedal.

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".

02 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)

03 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.

04 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 "D" position, you can shift to the "B" (Regenerative brake)" position.
- When "B" position is selected and large regenerative braking force is applied, the brake lamps will automatically illuminate.

05 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.

06 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.

07 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 "P" (PARK) or "R" (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.

08 Heated Seats

The heated seats can be operated with the operation mode of the power switch is ON. There are 3 settings for the heated seats (HI, OFF and LO)

HI	Heater high (for quick heating)
OFF	Heater off
LOW	Heater low (to keep the seat warm)

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.

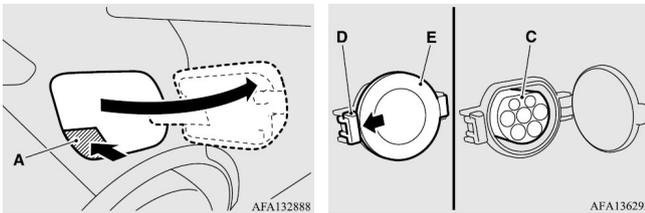
Charging method	Charge port	Charge connector	Charging source	Charging time with fully discharged drive battery
Normal (AC 230 V/8 A)			230V household outlet	Approx 7 hours
Normal Charging (AC 230-240 V) When using a home or public charging device (EVSE)			Home or public charging device	230-240 V/15 A: Approximately 4 hours
Quick Charging (Charging method with quick charger)			Public charging stations where available	Approximately 25 minutes for 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)

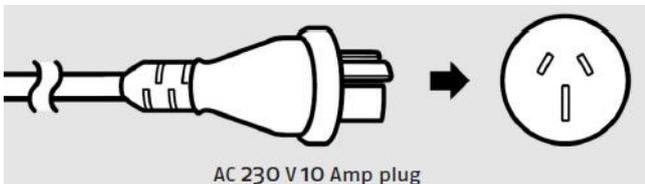
● Do not touch the metallic terminals on the normal charge port or connector, or those on the quick charge port or connector. Otherwise, electric shock and/or component failure may result.

Normal Charging (House Hold Outlet)

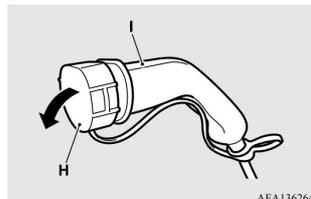
1. Firmly apply the Electric parking brake, press the electric parking switch to shift the "P" (PARK) position and put the operation mode of the power switch in OFF.
2. Unlock the driver's door to unlock the charging lid.
3. Push the rear portion (A) of the charging lid until it clicks, and open the charging lid.



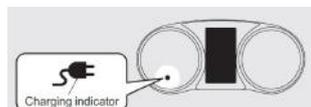
4. Press the tab (D) to open the inner lid (E).
5. Insert the plug on the normal charging cable into the outlet.



6. Remove the cap (H) on the normal charge connector (I) 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 (C).



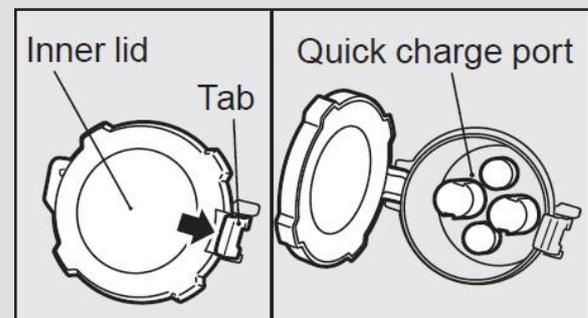
7. Connect the normal charge connector (I) to the normal charge port (C). The normal charge connector will automatically lock just before the charging begins.



8. Make sure the charging indicator on the instrument cluster is illuminated.

Quick Charging

1. Carry out steps 1 to 3 in "Normal Charging (House Hold Outlet)". 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 indicator on the instrument cluster is illuminated.

3. Charging is complete when the charging indicator turns off.

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

<https://www.mitsubishi-motors.com/en/products/eclipse-cross-phev/app/remote/>

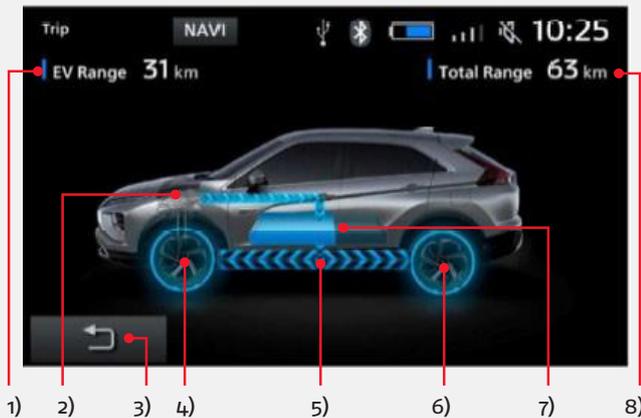
* MITSUBISHI Remote Control enables you to remotely control your ECLIPSE CROSS PHEV using dedicated applications over a connection between your vehicle and a wireless LAN device

Around the SDA Screen

SDA PHEV Info Screens

The SDA features additional PHEV information located in the "PHEV & Info" screen. Below are a few examples of these with a step by step guide to help you use the features.

Energy Flow



1) EV Range

Displays the distance that can be covered by the remaining battery charge.

2) Engine

When fuel is being utilized for driving, the engine portion becomes orange.

3) ↶

Returns to the previous screen.

4) Front Wheel Drive State

Driving condition is shown by an arrow.

5) Flow of Energy

The direction of flow and colour, displayed place change depending on the driving conditions.

6) Rear Wheel Drive State

Driving condition is shown by an arrow.

7) Battery

Shows the remaining battery charge.

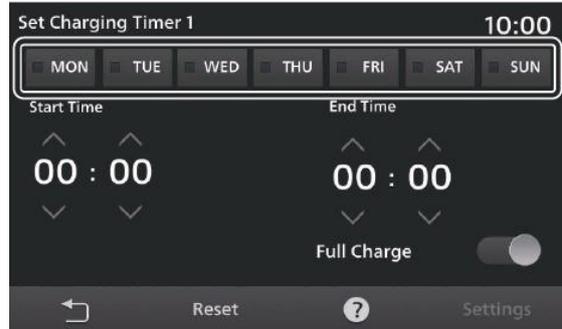
8) Total Range

Shows the distance that can be covered together by the remaining battery charge and the remaining fuel.



Set Charging Timer

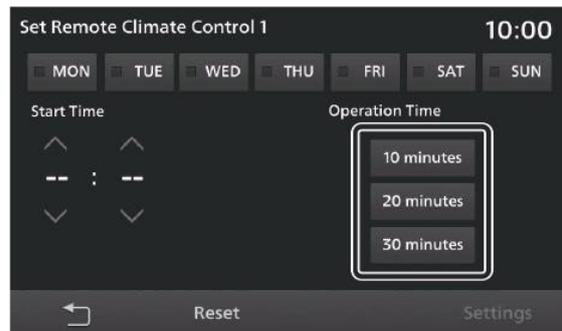
Charging time can be set through the SDA (For example, customers can charge during late night-time when electricity rates are low).



- 1) The HOME screen is displayed
- 2) Tap PHEV & Info
- 3) Tap Charging Timer
- 4) Tap the "Preset" you want to set
- 5) Tap up or down to input "Start Time" and "End Time"
- 6) Tap the "Day of the Week" when to change
- 7) Select ON/OFF for "Full Charge"
- 8) Tap "Set"

Remote Climate Control

Before getting into the vehicle, Pre-cooling, Pre-heating and Defroster can be scheduled to turn on through the SDA.



- 1) The HOME screen is displayed
- 2) Tap "PHEV & Info"
- 3) Tap "Remote Climate Control"
- 4) Tap the "Preset" you want to set
- 5) Tap up or down to input "Start Time" and "End Time"
- 6) Tap the "Day of the Week" when to charge
- 7) Tap the "Operation Time" you want to set
- 8) Tap "Set"
- 9) Tap the "Climate Control Mode" you want to set

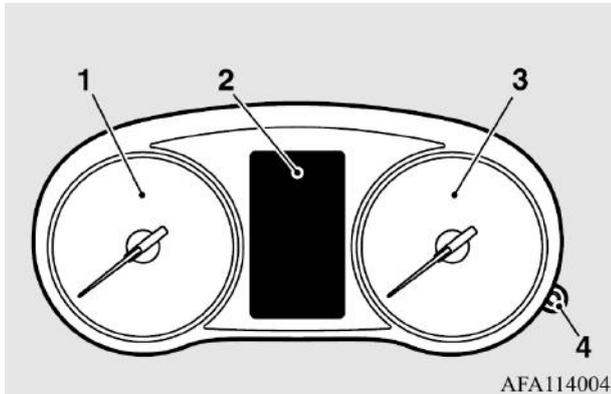
Other PHEV Screens:

- Energy Monitor
- History Information
- Trip Information
- Charge Amount

Other Displays

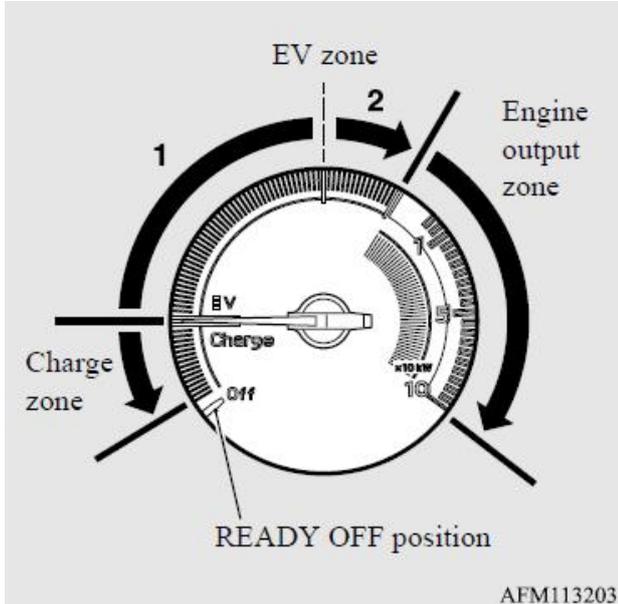
Display Instruments

The Eclipse Cross PHEV has a different instrument display to other vehicles and features an energy usage indicator unique to Mitsubishi PHEV.



- 1) Energy Usage Indicator
- 2) Multi-information Display
- 3) Speedometer
- 4) Rheostat Illumination Button

Energy Usage Indicator



READY OFF position

Indicates that the vehicle cannot run (READY OFF)

When the vehicle is ready for running, the needle of the energy usage indicator moves to the horizontal position.

Charge zone

Indicates the charging power generated by the regenerative brake.

EV zone

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

The zone 1 shows the state that the EV drive can be maintained and the zone 2 shows the state that the engine starts in high possibility.

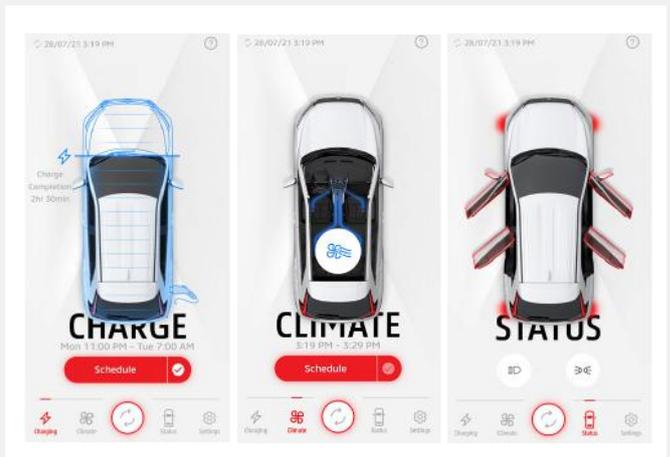
As the motor output increases, the movement range of the needle of the energy usage indicator increases.

Engine output zone

Indicates the instantaneous output (kW) of the engine.

Mitsubishi Remote Control App

The Mitsubishi Remote Control App can be downloaded on the App Store or Google Play Store. The app allows customers to pre-set charging and climate control times as well as check the status of the vehicle.



Remote Charging Timer

Charging time can be used remotely (For example, customers can charge during late night-time when electricity rates are low).

Remote Climate Control

Before getting into the vehicle, Pre-cooling, Pre-heating and Defroster can be turned on.

Vehicle Status and Control

Head/Position lights can be turned on as Car finder when the car is parked. The following Vehicle status can also be checked:

- Door & hatch status
- Light on/off status

More information can be found here:

<https://www.mitsubishi-motors.com/en/products/eclipse-cross-phev/app/remote/#registration>

www.mmnz.co.nz

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