EM EXPLORE THE SILENCE

MOTUL

USER MANUAL
ESCAPE X+ / XA+ RANGE

2026

INFORMATION

ELECTRIC MOTION
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34670 SAINT-BRÈS
FRANCE

https://em-motorcycles.com/

L'EUROPE S'ENGAGE L'OCCITANIE AGIT
UNION EUROPÉENNE
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Projet cofinancé par le Fonds Européen de Développement Régional

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1. 1. Introduction

1.1 Important message from *Electric Motion*

Congratulations and thank you for purchasing an Electric Motion Escape X+ electric motorcycle. We welcome you to our family of electric enthusiasts.

As the process of generating electrical energy becomes increasingly clean and renewable, we are proud to offer you an alternative to the combustion engine that can help solve the serious problems of air pollution and global warming that we are all directly facing.

The use of this electric motorcycle requires you to respect some recommendations and precautions in order to enjoy all the advantages that can offer you this new clean alternative.

It is therefore essential to read this manual as it contains all the information necessary for starting up and riding the motorcycle, as well as information on maintenance and checks. This manual also contains all the information necessary to protect you and others from the risks and accidents associated with riding a motorcycle.

Because the *Electric Motion* team is continuously improving their products, it is possible that some information contained in this manual might change due to updates. If you have any doubt, do not hesitate to check our website https://em-motorcycles.com and download the latest version of this manual. Thus, no juridical claim can be conducted based on the information contained in this manual.

Therefore, no legal claims can be made based on the information contained in this manual.

1.2 About this manual

Keep the user manual in an easily accessible place so that you can refer to it when necessary.

The "right" and "left" designations refer respectively to the right or the left of the rider when he is in the driving position.

To illustrate all the maintenance operations, or to clearly designate elements of the motorcycle, pictures were used. Since *Electric Motion* is constantly improving their product, it is possible that certain parts of the motorcycle will change in geometry or in colors. However, this does not affect the operational processes explained in the manual.

The owner's manual is an important part of the vehicle. It must be transferred from owner to owner upon resale of the vehicle.

⚠ In this manual, the **CAUTION** designation will alert you to an object or situation that may cause injury to you or a third party or also damage your vehicle.

2. Safety instructions

2.1 Regulatory use

The Escape X+ and Escape XR+ models in the Electric Motion range have been designed and built to withstand the mechanical stresses resulting from road use and recreational touring.

EM bikes are not intended for Pit Bike, Motocross or Freestyle use.

EM disclaims all responsibility for the above-mentioned use.

They are assembled in such a way as to be approved and therefore have all the equipment necessary for the vehicle to be driven on roads open to traffic. It is therefore prohibited to modify the accessories fitted to the motorcycle at the time of purchase. Electric Motion accepts no liability for any modifications made to the accessories fitted to the motorcycle.

⚠ Only use Electric Motion brand parts. These parts have been tested and approved by Electric Motion. Do not replace motorcycle components such as the battery pack or motor with components from another brand, as this may cause irreversible damage to your vehicle.
Electric Motion shall not be held liable in any way for the use of unapproved parts.

2.2 Operating information

In order to ensure safe operation, it is prohibited to make any modifications to the vehicle.

For example, it is strictly prohibited to use the vehicle if it, or any of its components, are not in a proper state of maintenance or if they are used outside of their intended purpose. It is also prohibited to open the engine or battery pack.

⚠ Electric Motion shall not be held liable for any modifications made to the vehicle by the customer, and such modifications will invalidate any manufacturer's warranty.

⚠ Do not use the vehicle under the influence of alcohol, medication or drugs, or if you are not physically or mentally fit to drive.

⚠ When using the vehicle, certain parts move (chain, wheels) and become dangerous for the user. It is important to take the necessary precautions to protect yourself from unnecessary risks.

2.3 Protective clothing

In order to reduce the risks of potential injury while riding an *Electric Motion* motorcycle, on road or off road, it is necessary to be equipped with all mandatory protective clothing.

For all journeys, all motorcycle users must wear the necessary equipment (helmet, boots, gloves, trousers and jacket with protective features).

⚠ Failure to wear safety clothing or wearing damaged safety clothing poses a serious safety risk and may result in serious injury or death to the motorcycle rider.

⚠ Only use protective clothing that is in perfect condition and complies with the legal requirements of the country of use.

2.4 Environment

In order to ensure the continued safety of motorcyclists, it is necessary to respect the rules of courtesy on public roads with other users, whether motorized or not. Also ensure that you remain within the legal framework for motorcycle use, show respect for the environment and other road users, and consider the rights of others.

When disposing of motorcycle parts, be sure to comply with the recycling standards in force in the country of use, particularly with regard to the battery pack.

⚠ Electrical components (motor, battery, etc.) and electrical devices (battery chargers) must not be treated as household waste and require strict recycling.
If you have any questions about the rules to follow when recycling, please contact Electric Motion customer service.

2.5 Important labels location

Safety instructions are present in various places on the motorcycle. They allow the user to protect himself from certain risks associated with the maintenance of the motorcycle and to preserve the physical integrity of the motorcycle, its driver and its passenger.

1	Manufacturer label
2	Warning label

⚠ Never remove the warning labels. They allow the driver to avoid getting injured by exposing himself to a danger that cannot be recognized without the presence of these stickers.

2.6 Fire hazard

As long as the battery pack remains in good condition, there is no particular risk of fire in this vehicle. However, if the vehicle catches fire, it is necessary to inform the fire brigade that the fire originated from an electric vehicle with a lithium-ion battery.

⚠ When the battery pack is damaged, it may present a fire hazard. If the battery pack is damaged, contact *Electric Motion* customer service promptly.

2.7 Fall or accident

A fall or a road accident can damage the motorcycle significantly. After a fall or an accident, make a complete inspection of the vehicle to make sure that the users of the motorcycle do not expose themselves to any danger before riding again.

⚠ A vehicle damaged for any reason can become a hazard to users. In the event of significant damage to an electrical component, contact Electric Motion customer service immediately.

2.8 Waterproofing

Below is the maximum immersion level for the motorcycle. In the event of sudden malfunction of the motorcycle during immersion, please turn off the motorcycle and battery and contact your dealer.

3. Important notes and general information

3.1 Informations relatives aux émissions

The development of the range by Electric Motion has resulted in clean motorcycles that do not emit any particles harmful to the environment. They therefore produce no exhaust or evaporation emissions.
As they do not have combustion engines, these motorcycles do not use fuel.

3.2 Manufacturer's warranty and legal warranty

All work specified in the maintenance plan must be carried out exclusively by a professional or by yourself or a third party after receiving authorisation from Electric Motion in order to retain the right to warranty.

The warranty is null and void in the event of damage and consequences resulting from tampering with or modifications to the vehicle made by a person not certified by Electric Motion.

For further information about the manufacturer's warranty and how to claim under it, please contact Electric Motion customer service.

3.3 Vehicle range

The range of the Escape X+ model is more representative when expressed as the number of kilometers travelled on a full battery charge.
As with a combustion engine vehicle, the range of an electric vehicle depends on how it is used. The smoother the driving, the greater the vehicle's range.

There are many factors that influence range, such as speed, acceleration, the number of regenerative braking actions, weather conditions, tyre pressure and the total load carried by the motorcycle.

When using your model for the first time, we recommend that you drive carefully to get a feel for your vehicle's range based on your driving style.

Once you have formed your own opinion about the potential of the model you have purchased, you can adapt your riding style to suit your desired range.

⚠ The range values in this manual are measured according to different standards, which may vary depending on the country of use.

In order to improve the range of your vehicle, all these characteristics must be considered:

Low range	High range
High speed travel	Low speed travel
Bad road condition	Good road condition
High elevation	Low elevation
Aggressive driving	Smooth driving
Important payload	Low payload
Extrem temperature	Temperate temperature
Bad weather conditions	Good weather conditions
Under/Overinflated tyres	Properly inflated tires
Poor general maintenance of the motorcycle	Good general maintenance of the motorcycle

3.4 Vehicle transport

The transport of the motorcycle can be carried out with the help of an approved trailer or a utility vehicle.
It is important to ensure that the motorcycle is securely fastened before transporting it on the public road. The use of certified straps to maintain the motorcycle is recommended to avoid any accidents related to the loss of the vehicle on public roads.

3.5 Spare parts and accessories

For safety reasons, we recommend that users of Escape X only use spare parts and accessories authorized and recommended by *Electric-Motion* and have them fitted by a professional.

The company *Electric Motion* will decline any responsibility in case of equipment deterioration caused by products not approved by the brand.

For information on spare parts and their installation, contact the *Electric Motion* customer service or on our website https://em-motorcycles.com/en/.

3.6 Maintenance

In order to optimize the vehicle's life span, it is important to carry out the maintenance, servicing and adjustments specified in the user manual in a timely manner.

Adhering to maintenance intervals is important for keeping a vehicle in good working order and preventing premature wear and tear.

Furthermore, incorrect adjustment of the chassis will result in premature wear of the vehicle. It is important to refer to the maintenance manual for vehicle monitoring.

3.7 Power supply

Model	Escape X+	Escape XR+
Tension	**Min: 35V / Nom: 50.4V / Max: 58.8V**	

It is possible to mount / dismount the battery pack during some maintenance process. To do these operations, it is important to refer to the corresponding chapter.
(https://em-motorcycles.com/en/sav-faq).

3.8 Parts and consumables

To maintain your vehicle, it is important to use parts and consumables (lubricants and maintenance products) in accordance with the specifications given in this user manual.

3.9 Operation under extreme conditions

⚠ In the event of the rider being stopped on a road with a high level of water, it is necessary to turn off the motorcycle to avoid a short circuit or a breakdown.

The motorcycles can be used over a wide range of temperatures: -15°C to +55°C (5°F to 131°F).

⚠ The range of the Escape X+ model depends greatly on the temperature at which it is used:

Operating temperature °C (°F)	-15° (5°)	-10° (14°)	0° (32°)	25° (77°)	40° (104°)	55° (131°)
Decrease in battery range	-30%	-25%	-15%	-0%	-3%	-4%

⚠ Use of the vehicle in extreme conditions (sand, mud) leads to premature wear of the motorcycle's consumables (chain, brake pads, various bearings). It is therefore necessary to do checks and maintenance more often than what's in the user manual.

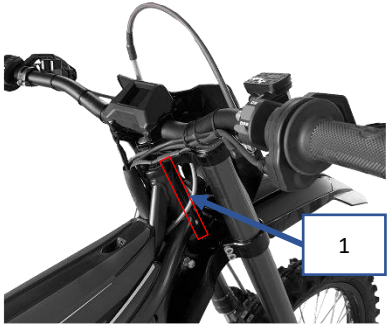
⚠ Continuous heavy use may result in a gradual reduction in power and maximum speed in order to regulate the temperature. In this case, please reduce the load.

3.10 Motorcycle delivery

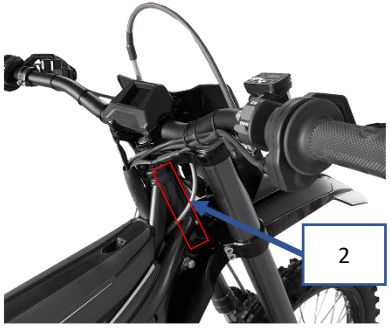
When receiving your motorcycle, it is necessary to perform some operations to make the motorcycle usable (assembly of parts protected during transport). Please refer to the corresponding chapter (8).

4. Vehicle identification

4.1 Chassis number

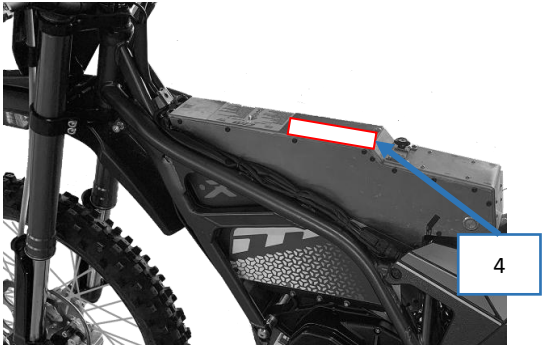


4.2 European certification label



4.3 Motor number (references)

4.4 Battery number (references)



5. Overall view of the vehicle

5.1 Right view

5.2 Left view

6. Technical data

6.1 Motor

Motor type	Permanent magnet BLDC motor
Nominal power	5.31 kW
Peak power	11 kW
Cooling system	Air

6.2 Tyres

Model	Escape X+	Escape XR+
Tyres	MICHELIN ENDURO	

6.3 Fork

Model	Escape X +	Escape XR+
Front Suspension	Inverted ⌀35mm	

6.4 Rear shock absorber

Model	Escape X +	Escape XR+
Rear shock	R16V	R16V Factory

7. Controls and Components

7.1 Front/rear brake system

The front brake lever is located on the handlebars right-hand side. The rear brake pedal is located near to the right foot peg.

⚠ Before each use, check the condition of the brake system. A faulty brake system makes you vulnerable as well as the other road users.

7.2 Throttle

The throttle handle is located on the handlebars right-hand side.

⚠ Before each use, check that the throttle handle rotates properly and ensure that it returns to its original position when rotated to prevent accidents.

7.3 Lighting system for the homologation kit

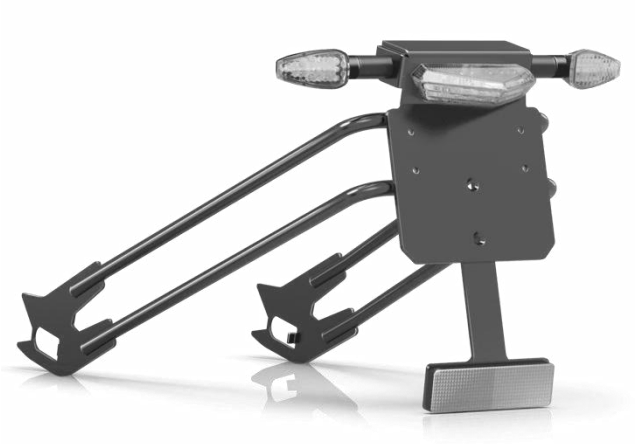
The front lights are located at the front of the vehicle, and the rear lights are located at the rear of the vehicle.

Electric Motion recommends always leaving the headlights on when using the vehicle.

Front:

⚠ The front lighting system may become warm when switched on.

Rear:

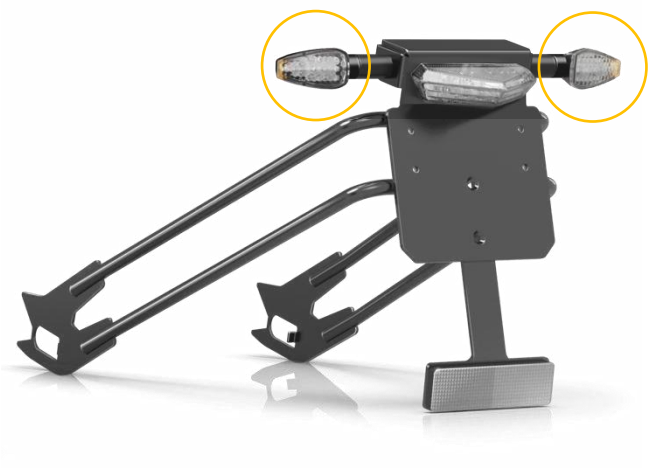


⚠ Ensure that your lighting system is always in good working order. Riding without lights prevents other road users from seeing you and prevents you from seeing other road users.
It is mandatory to have a lighting system in good working order.

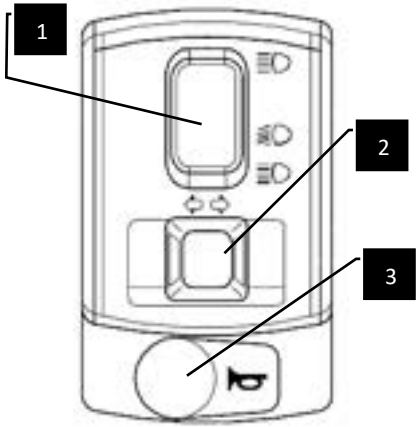
7.4 Turn signals

Front turn signals:

Rear turn signals:



7.5 Left-hand side handlebars switches



On the left side of the handlebars, the main switch has a red indicator light that is on when the motorcycle is running OR when your battery is on.

⚠ It will only turn off when your motorcycle AND your battery are turned off.
This indicator light will turn off after several minutes.

7.6 Security switch and map button

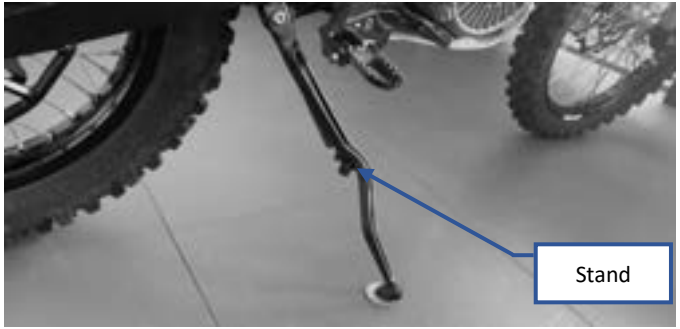
On the right side of the handlebars, there is a safety switch for starting the motorcycle.

On the right side of the handlebar, the ON position of the security switch is needed to switch on the motorcycle.

The dashboard lights up.

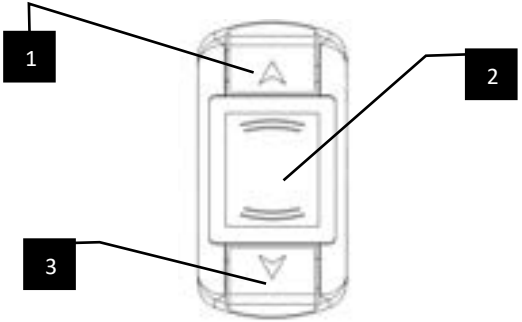
Simply press the power map selection button to switch to driving mode.

7.7 Side stand



7.8 Screen and MAP button

1	Speedometer: display starting from 10 km/h
2	Active map indicator
3	TKO or TC indicator
4	Battery state of charge
5	RPM (from 0 to 8000 tr/min)
6	System failure indicator
7	Odometer
8	Displaying the current trip



1	**+ Button**	Single press: Switch to higher MAP Long press (> 10 s): Auto-setting
2	**- Button**	Switch to lower MAP
3	**TC or FRB button**	Activation of TC or FRB

Major fault ⚠ : The motorcycle has a fault that prevents it from being used. An error code appears on the screen.
Try starting the motorcycle three times by turning the safety switch to OFF.
If the error code is still present, please contact your Electric Motion dealer.

The error codes can be found in the list below:

Code displayed on the screen	DTC	Description
200	P0C05	Motor phases disconnected
120	P0A2A + P0A3F	Encoder cable unplugged
100	P0A3F	Encoder malfunction
80	P0A3C	Controller overheating
40	P0A2F	Motor overheating
20	P0A2A	Motor temperature sensor fails
10	P0A1B	Generic controller malfunction

These temperature indicators appear when the battery temperature is below 10°C (Snowflake) or above 55°C (Thermometer).

The functioning of the bike is not affected by these indications. To avoid performance limitations, adjust your riding style.

If the indicator is too high, avoid driving too sporty.

If the indicator is too low, you may run the bike or make sure you warm up the battery.

When your screen is in this configuration (only the battery level), the controller does not send a signal to the TCU, so you have to switch ON the security switch.

7.9 Battery pack

The battery is inside the battery pack. The casing of the battery pack makes it possible to protect all the cells composing the battery against the aggressions of the external environment. Up to a certain limit, the battery pack is protected against splashes of water, dust, and other harmful elements for the battery (rain, driving in dry weather). However, the user must be careful not to use the motorcycle under extreme conditions, otherwise the vehicle may be damaged irreversibly (full immersion of the motorcycle).

The battery pack uses a set of lithium-ion cells assembled in series. These elements have been tested to obtain the best performance while maintaining maximum reliability.

⚠ The battery pack is dimensioned to achieve the best possible reliability / performance ratio. It is possible, however, that certain maintenance operations will be carried during the lifetime of the vehicle.
All work on the motorcycle's electrical components, particularly the battery pack, carries a risk of electric arcs if precautions are not taken. This work requires training, qualifications and special tools.
Therefore, any work not explicitly described in this manual that involves an electronic component must only be carried out by a person qualified by Electric Motion.

Do not open the motor or the vehicle's battery pack. If you encounter any problems with these components, contact Electric Motion customer service.

⚠ When receiving the motorcycle, it is important to charge the battery pack according to the recommended battery charging procedure.

⚠ Be sure to turn off the motorcycle after each use or whenever the motorcycle is not used for an extended period. Make sure that all the lights are turned off when the ignition key is switched off.

⚠ Be sure to check the overall condition of the battery after each use, especially after a fall.

Battery management system (BMS)

The BMS (battery management system) is an internal component of the battery pack. It manages and controls all of the battery cells during charging and discharging.
The BMS protects the battery with the aid of a safety lock.

The main roles of the BMS are therefore to:

- Prevent the vehicle from charging when the outside temperature is below 0°C,
- Prevent the vehicle from charging when the outside temperature is above 45°C,
- Prevent the vehicle from discharging when the outside temperature is below -15°C,
- Preventing the vehicle from discharging when the outside temperature is above 55°C,
- Enabling evenly distributed charging of all cells in the battery pack,
- Optimizing battery charging and discharging.

⚠ The BMS is a vital component for the proper functioning of the motorcycle. Under no circumstances should you attempt to modify it in any way.

Battery gauge

The battery pack is connected to the dashboard, allowing the charge status to be viewed directly on the dashboard.

The display consists of a gauge indicating the motorcycle's range.

⚠ When this indicator light turns on, the battery is in low voltage, which means that the motorcycle can cut off in order to prevent any damage to the cells.

It is important to avoid excessive speeds and abrupt accelerations when the low battery indicator lights up and reaches a charging station as soon as possible.

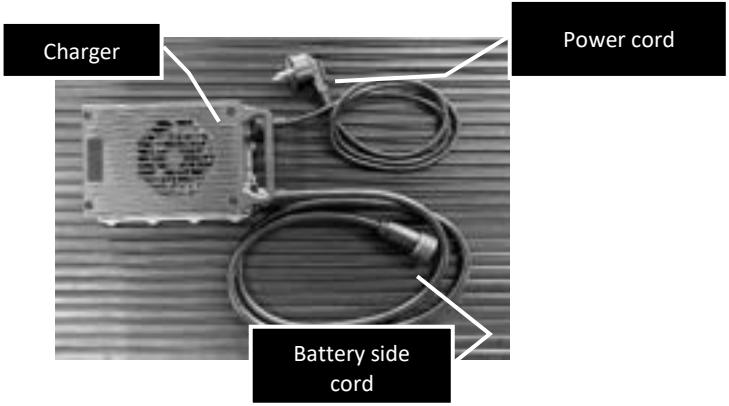
⚠ If you plan on using any highway and depending on the battery charge left and the distance left to travel, check first that there is a charging station on your way or that there is a highway exit, so you don't get stranded.

⚠ Not any high pressure washing on this display.

It is important to avoid excessive speeds and abrupt accelerations when the battery level is under 20% and to reach a charging station as soon as possible.

7.10 Battery charger

The Escape X+ model can be delivered with two different types of battery chargers with different charging speeds: a 15A charger and a 25A charger.



⚠ In a damp environment, there is a risk of creating electric arcs when charging the vehicle. The battery charger is not humidity-proof. It is important to use the battery charger in a dry environment and to ensure that no liquid is spilled on the charger.

⚠ In case of incorrect handling of the battery charger, the safety of the user is not guaranteed.

⚠ Use the battery charger only with an *Electric Motion* battery pack.
Use the battery charger only by connecting it to a safe electric socket in accordance with the regulations in force in the country of use.
Do not use an adapter or extension cord other than the one already presents on the charger.

⚠ Do not modify the battery components by any means. Check that the charger's power cable and battery cable are in good condition before each use.

8. Start-up

8.1 Preparation for receiving a motorcycle in a crate (EU)

On receipt of the vehicle, the handlebar is disassembled.
It is therefore necessary to assemble all these components in order to use the motorcycle.

Assembling the handlebars after receipt
The handlebars are supplied in the box accompanying the motorcycle and must be fitted as follows:

- Position the handlebars as shown in the photo below.

- Place the handlebar clamps and tighten the 4 screws provided using a 6 mm Allen key, tightening to 14 Nm. Take care to center the handlebar and tighten the upper clamps evenly.

- The angle of the handlebars can be adjusted to suit the user's preference.
- Secure the wires using the cable ties provided.

Assembling the dashboard after delivery

The dashboard is supplied with the vehicle packaging and must be installed according to the following procedure:

- Insert the two zip ties provided into the slots provided for this purpose.

- Slide the female part of the zip tie between the handlebar and the upper fork clamp.

- Place the dashboard above the handlebar clamps and finish tightening.

Installation of the control switch after receipt:

The control switch is supplied with the vehicle packaging and must be installed as follows:

- Loosen the fixing screw (pre-mounted on the switch) with a 2.5 mm Allen key to release the clamp.
- Place the switch on the handlebar, taking care not to overstretch the connection cable.
- Finalize the positioning and tighten the fixing screw.

8.2 Instructions for initial start-up

Before using the motorcycle, the user must read this entire user manual.
Electric motorcycles offer a new riding experience, so it takes time to get used to the new sensations they provide before you can feel completely confident when riding among other road users.
On a suitable terrain, perform a few exercises to gain confidence on the vehicle.

To maintain control of your vehicle, always hold the handlebars with both hands and keep your feet on the footrests.

⚠ Do not use the vehicle if you are not in full control of your faculties.
Drive carefully for your own safety and that of other road users.
Do not exceed the vehicle's permissible payload.
Do not leave your vehicle unattended (risk of theft).

⚠ An electric motorcycle makes no noise when it is running, so don't be caught off guard.

⚠ When the battery level is low, the motorcycle continues to operate in economy mode. The motorcycle's performance is reduced, but it is not broken down. The original performance will be restored when the battery is next charged.

⚠ When the battery is too low, the motorcycle will not charge immediately. You will need to wait a while for the vehicle to accept the charge.

8.3 Battery Charging Procedure

The procedure for charging the vehicle being meticulous, it is important to be familiar with this procedure before the first charge of the battery.
The battery must be charged over a temperature range from 0°C to 40°C.

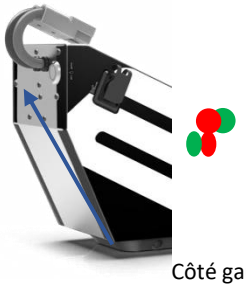
⚠ For a better battery life, it is advised not to charge the battery directly after riding, but to wait 30min.

⚠ Due to the strong current involved, electrical arcs may occur when connecting the connector to the battery.
Use only the charger supplied with the motorcycle to charge the battery. This charger is designed to operate only with a lithium polymer battery.
Always place the charger on a flat, solid surface in a dry, ventilated area.
Never cover the charger while charging the battery, otherwise it may interfere with its ventilation and cause the charger to overheat.

Charging procedure for 15A and 25A chargers

- Stop de bike (9.8).
- Plug the charger on the wall plug.

- Verify that the LED is blinking green and red:



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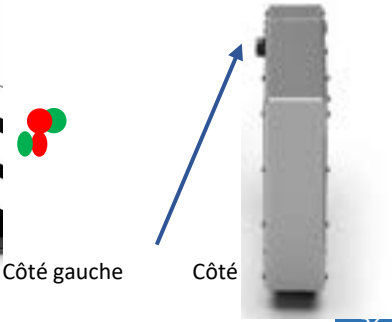
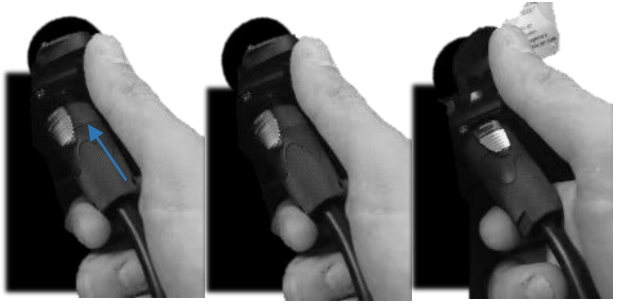


Côté gauche

Côté



PTo connect the charging connector to the battery, you must: :

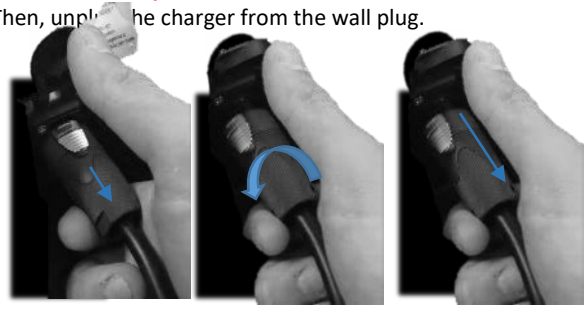
- Push the plug onto the battery until it locks into place; you should hear a click.
- The charger starts charging automatically. When the connector is inserted into the battery, a clicking sound is heard, indicating that the battery has switched to charging mode. The LED on the charger flashes red. deux LEDS sont acti

- Lors du passage en mode charge, les deux LEDS sont affichées rouges.

When the charging process is complete, the LED turns green again:

Unplug the charger from the battery pack by **turning the blue lock to the left, then pull.**

Then, unpl he charger from the wall plug.



Tirer la partie métallique vers l'arrière et ensuite tourner le connecteur

- Uniquement sur les chargeurs 25A : Éteindre l'interrupteur situé sur le chargeur.
- Éteindre le chargeur en le débranchant de la source d'alimentation.

Note: If you encounter any issues during charging, please repeat the charging process from the beginning to restart the battery charging.

⚠ When the motorcycle is charging, do not turn on the motorcycle using the main switch, as this will instantly stop the charging process.

⚠ Be careful not to put any metal objects or water in the motorcycle's charging connector.

⚠ **Be sure not to leave the charger connected to the battery once charging is complete.**

⚠ **In case of abnormal symptoms:**

- **The LED continues to flash red and green after connection without switching to flashing red (the battery is not charging).**
- **Incomplete charging (< 90%)**
- **Noises**
- **Excessive heat**

Please stop using the battery (use or charge) and contact your official EM dealer as soon as possible.

9. Use of the vehicle

9.1 Check before use

It is important that users of the Escape X+ motorcycle check the condition of the vehicle and its operational safety before each use. The motorcycle must be in perfect technical condition during use.

Pre-trip checks consist of:

- Check the battery charge status.
- Check that the screws are tightened properly.
- Check that all electrical equipment is in good working order.
- Check that the braking system is in good working order (brake fluid, brake pad wear and system operation).
- Check tyre condition and pressure.
- Check the condition of the entire transmission system (ring gear, chain and sprocket, lubrication).
- Check that the controls are working properly.
- Check the oil levels

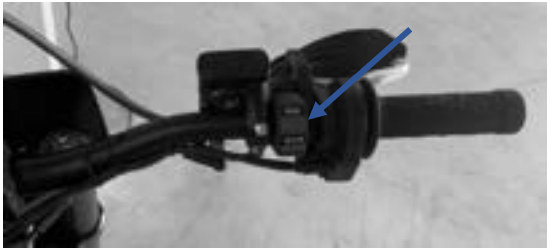
For more details on the controls (11.16)

⚠ If any anomalies are found on the motorcycle during the pre-ride inspection, do not take any risks, contact *Electric Motion* customer service.

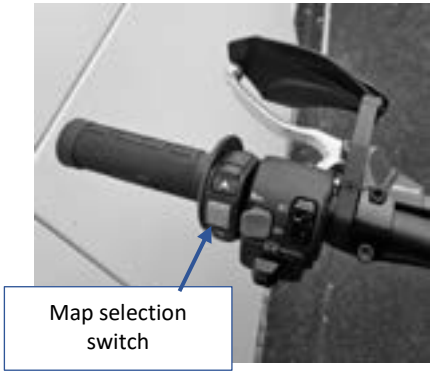
9.2 Starting the motorcycle

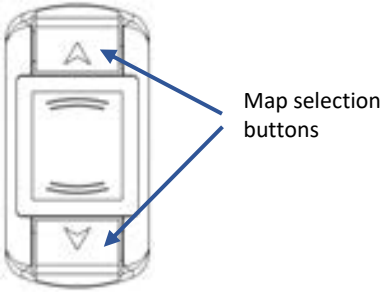
Turn on the battery by pressing the push button

Turn the safety switch to the ON position.



Then press the power map selection button to start the motorcycle in a map.





Your motorcycle is now running and ready to ride!

⚠ The motorcycle must be completely stationary when starting.

⚠ When the motorcycle is running, it doesn't make any noise!

⚠ Under no circumstances should the stand be extended while the motorcycle is in use.

9.3 Motor map selection

The motorcycle has two map selection buttons that allow you to switch between different riding modes. There are three riding modes available. Changing the riding mode allows you to adjust the acceleration to suit your desired riding style. The riding modes are as follows:

PUSH - MAP 0 (WHITE)
Map 0 is a safety map. Press the MAP button to switch to the first driving mode.

1 – MAP 1 / TREK (GREEN)

Trek mode is dedicated to Trek use, acceleration is very smooth up to the max speed

2 – MAP 2 / WET (BLUE)

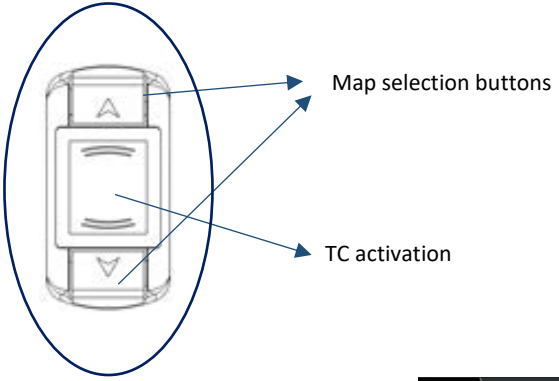
WET map is dedicated to wet condition, acceleration is smooth up to max speed.

3 – MAP 3 / DRY (RED)
DRY map is dedicated to dry condition use and 100% of the performance of the motorcycle is used.

Using the TC – TRACTION CONTROL

The TC (Traction Control) is developed for helping pilot in hardest conditions to avoid slippering.

TC is mainly working at low / mid rpm, with torque and speed calculation/regulation for 100% traction efficiency!

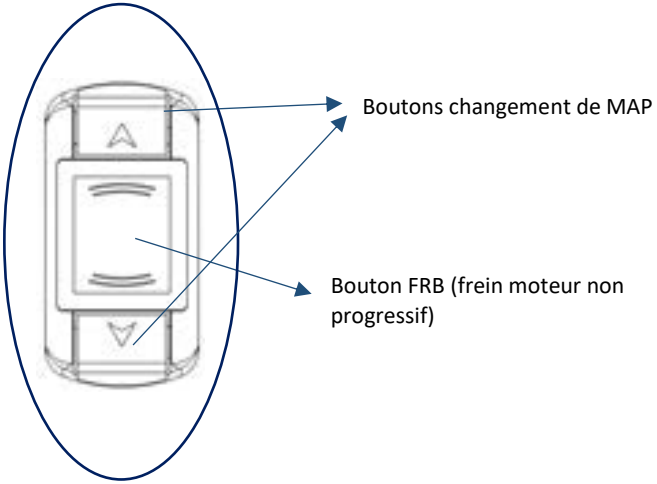


When TC is activated, the letters TC will appear on your screen.

You can activate/deactivate TC at any time during your ride.

Using the FRB – Non progressive engine braking

When pressing the button (grey on the bike), an engine brake will be activated, and slow down the bike. The intensity depends on the speed of the motorcycle.



9.4 Using the odometer

The odometer function is displayed at the bottom of the handlebar display.

9.5 Braking

The front brake lever, located on the right-hand side of the handlebars, brakes only the front wheel. The rear brake lever located near to the right foot peg brakes the rear wheel.
The brake levers control the brakes when the lever is squeezed. It is important to be fully aware of the motorcycle's braking capacities for safe driving on public roads.
To brake properly, under normal traffic conditions, first close the throttle. Then brake using simultaneously the front and rear brake levers for strong braking.

⚠ When braking, the throttle grip must be in the closed position (acceleration stopped).

⚠ Braking too strongly causes the wheels to lock and makes the motorcycle dangerously uncontrollable. It is necessary to adapt your braking to the situation and to the pavement condition.

⚠ Check the condition of the brake system before each use. A wet or dirty brake system reduces braking performance. Clean and degrease the system if grease or dirt is present.

If there is any doubt about the condition of the brake system, contact Electric Motion customer service.

9.6 PRB (Escape X+)

EM has developed the PRB (Progressive Regenerator Brake). When the pilot is not accelerating, the motor is not powered. If it is in freewheel, it is possible to regenerate the motor; it allows to recharge the battery while acting as a motor brake. Therefore, this lever allows to manage the regeneration percentage.

⚠ Avoid using PRB intensively or extensively when battery is charged more than 90%

9.7 Anti-Reverse by EM

All the models integrate the Anti-Reverse by EM function.

This function helps you when you are in difficulty in steep slopes. When you cannot climb anymore, you can activate the anti-reverse as explain after, to heavily brake the rear wheel, allowing you to reposition yourself without having the bike rolling backwards.

⚠ The anti-reverse function is only functional when the security switch is ON. Switching it off will deactivate the anti-reverse function.

The function could only be activated at **low negative speed: from 0 km/h to - 3km/h.**

The activation depends on the motorbike model you have:

Escape X+ :

Engage the PRB lever to activate the function: the rear wheel is immediately heavily braked. You can release the lever as the function will stay on until the throttle is activated.

ESCAPE XR+ :

Press the FRB (or PRBR in option) button to activate the function: the rear wheel is immediately heavily braked. You can release the button as the function will stay on until the throttle is activated.

9.8 Clutch

The Escape XR is equipped with a hydraulic multi-plate mechanical clutch. Operated by the lever on the left-hand side of the handlebars, the clutch allows the transmission to be disconnected from the engine.

This clutch offers many advantages when crossing obstacles but requires care when using it.

Care must be taken when releasing the clutch lever and operating the throttle simultaneously.

9.9 Stopping your motorcycle

To turn off the vehicle, follow the procedure below:

- Switch OFF the security switch.
- Switch off the battery (the LED around the battery switch ignition will go to OFF).
- Unfold the stand and lean the motorcycle onto it. Ensure that the motorcycle is standing on firm, stable ground to prevent it from falling over. Be careful on sloping ground, as the motorcycle will roll when stationary.

⚠ Do not leave your motorcycle unattended after use.
After riding, some parts of the motorcycle may be hot. Make sure you do not touch them until they have cooled down completely to avoid the risk of burns.

9.10 Cleaning the motorcycle

The motorcycle must be cleaned with clear water. It is possible to use soap to clean it.
Pour le nettoyage de la moto, il convient de :

- Wash the motorcycle without insisting on the components vulnerable to moisture (electrical components, external controls, and external bearings).
- Rinse the motorcycle thoroughly with clean water.
- Dry the motorcycle, insisting on the electrical contacts.

⚠ Do not clean the handlebars directly with a high-pressure washer.

⚠ **Ensure that the battery charging connector cap is securely in place when cleaning the motorcycle.**

⚠ If you accidentally forget to disconnect the battery after use or do not use the motorcycle for 5 hours, it will go into ‘standby’ mode. This safety feature disconnects the relays and the gauge, which means that the gauge is off, but the battery is in standby mode. Be sure to turn the battery switch to OFF.
In this case, you must disconnect the battery before restarting or charging it.

⚠ **DO NOT CLEAN THE MOTOR SENSOR WITH HIGH PRESSURE WASHER.**

⚠ **DO NOT CLEAN THE BATTERY WITH HIGH PRESSURE WASHER.**

⚠ **DO NOT CLEAN THE CONTROLLER WITH HIGH PRESSURE WASHER.**

9.11 Motorcycle storage

In case of long-term storage of the vehicle, it is important to apply additional measures.

It is necessary to:

- Clean the motorcycle correctly (9.10).
- Raise the motorcycle using a bike stool or dirt bike lift stand (allowing the suspensions of the vehicle to be relieved) (11.1).
- Park your vehicle in a dry place, where the temperature is between 10°C and 25°C, which is not subjected to excessive temperature variation and protected from UV radiation. Cover the motorcycle with a breathable cover.

Note: There is no special precaution to be taken to restart the motorcycle.
When storing your motorcycle, it is important to follow a strict procedure to protect the battery during storage:

- Place the battery pack in an environment not exposed to direct sunlight and at temperatures below 25 ° C.

- Adjust the battery level regarding the storage time desired:

Storage time	< 15 days	>1 month
Battery charge level	100 % 	60 % 

The battery charge level should be checked monthly, recharge the battery if necessary, with the supplied charger.

If the motorcycle does not start after the storage period, do not attempt to recharge the battery, and contact Electric Motion Customer Service immediately.

Make at least 2 discharge/charge per year.

9.12 Using the EM Connect app

9.12.1 Connection

To download the application, please follow the link below:

- iOS : https://apps.apple.com/en/app/em-connect/id6449296285

Télécharger dans l'App Store

- ANDROID : https://play.google.com/store/apps/details?id=com.em.emconnect

DISPONIBLE SUR Google Play

Open the application EM Connect

At the first connection, go to the **"Sign Up"** section.

Read and accept the 3 different documents : Privacy information protection act, Service agreement, Disclaimer

Choose your country code, enter your telephone number, without code ex : 305 452 1600

Enter the code received by SMS.

Scan the QR code on the last page of the Quick Guide.
If the scan function doesn't work, you can enter the code below the QR code manually.

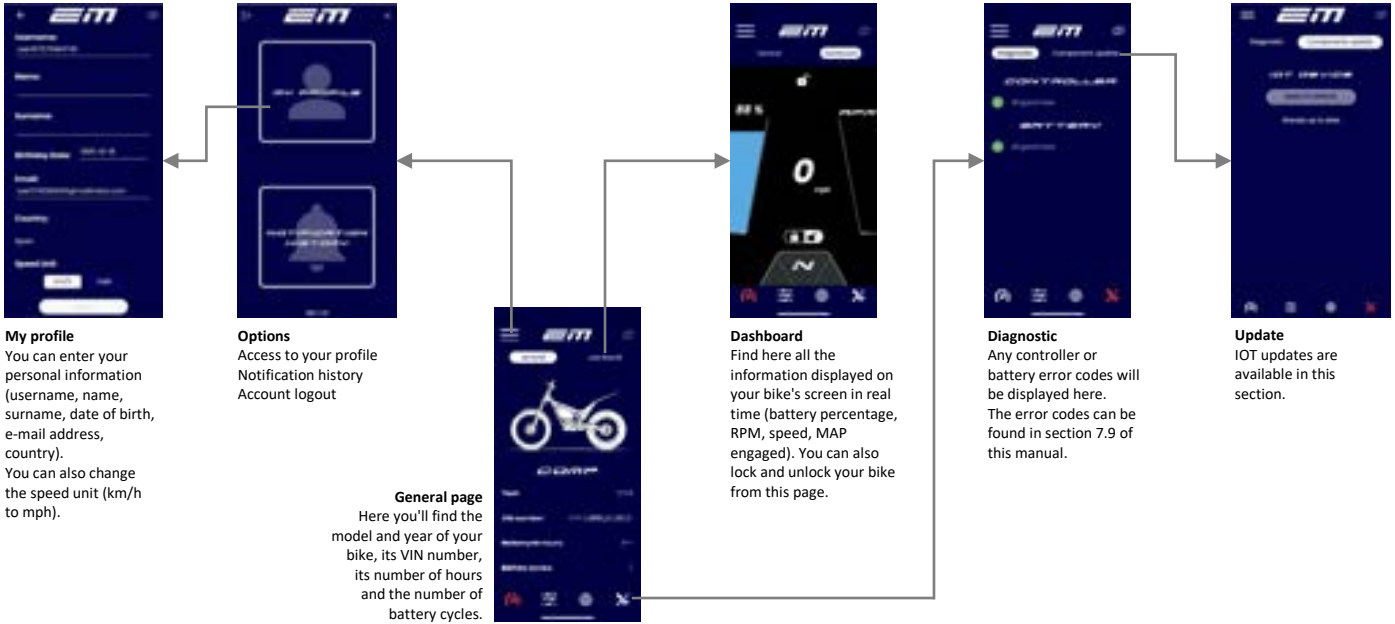
A second QR code is located on the TCU (on the right-hand side of your bike) in case you lose the Quick Guide.

A Bluetooth connection window appears. To pair the bike with your smartphone, enter the Bluetooth connection code.

Bluetooth connection code : 999 999

If the connection window does not appear after a few moments, activate Bluetooth on your phone and restart the application.

When your bike is connected to the application, the link icon in the top right-hand corner is displayed in white.



My profile
You can enter your personal information (username, name, surname, date of birth, e-mail address, country).
You can also change the speed unit (km/h to mph).

Options
Access to your profile
Notification history
Account logout

General page
Here you'll find the model and year of your bike, its VIN number, its number of hours and the number of battery cycles.

Dashboard
Find here all the information displayed on your bike's screen in real time (battery percentage, RPM, speed, MAP engaged). You can also lock and unlock your bike from this page.

Diagnostic
Any controller or battery error codes will be displayed here.
The error codes can be found in section 7.9 of this manual.

Update
IOT updates are available in this section.

MAP settings
You can modify the various parameters of your 3 MAP.
The detailed procedure for modifying and saving your MAP can be found in section 9.11.3 of this manual.

General MAP settings
These are the general settings that apply to your bike.
The detailed procedure for modifying and saving your MAP can be found in section 9.11.3 of this manual.

Community
Here you'll find all the information and links you need about *Electric Motion*.

Contact
You can use this page to contact us for information or to submit an after-sales ticket.

After-sales ticket
You can send an After-Sales ticket if your bike has a problem. You can attach a photo or video to help us understand the problem.

9.12.3 MAP configuration

A higher value gives the throttle more travel for a more progressive throttle response.

Adding a throttle dead zone allows more throttle free play before the engine turns.

A higher value increases the braking force when the PRB (lever) or FRB (button) is activated.

Resets the selected parameter to its original value

Change throttle response from smooth to firmer.

A higher value increases the maximum motor power.

A higher value increases the engine speed and the motorcycle speed.

Activation button - TKO

Change engine speed without throttle input.

Control the power and traction at low revs while disengaging the clutch until fully disengaged.

Detailed information on the selected parameter

Registering and sending MAP

Once you have modified your MAP, you must follow the procedure below to save and send the new settings to your bike. MAP must be modified and sent with Neutral MAP engaged.

1 – Sending the configuration to the bike

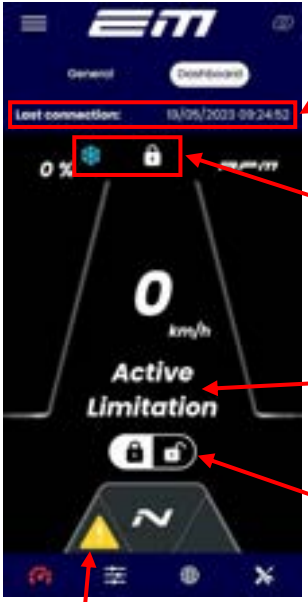
Click on the **SEND** button on **each** page to send the modified parameters of each MAP independently and the "General" parameters.

2 – Saving your modified settings

Click on the **SAVE** button in the **"General"** section to save all the modified settings on your bike.

⚠ If you do not save your settings after sending them, they will disappear when you switch off the bike.

9.12.4 Dashboard



Display of the last connection with your bike, this message disappears when you switch on your bike, so you have the information displayed in real time.

Status bar
Displays a non-optimal battery temperature.
Also displays the lock status of your bike.

This message appears on the application when there is a ⚠ limitation.

Lock and unlock button
To lock or unlock your EM, Neutral MAP must be activated.
The lock remains active when you switch off your motorbike, so it is useful as a safety device.

Warning
Warnings are displayed in the same way as on your bike's screen.
The meaning of these warnings can be found in section 7.9 of this manual.

9.12.5 Ater-sales service

When you send an after-sales ticket, the diagnostic of your bike is automatically sent to the after-sales service.
So, there's no need to attach your bike's error codes.

You can send photos or videos to complement your message.

⚠ Photos and videos are limited in size.

9.12.6 Updates

This screen is used to update the IOT device with new features or fix any problems.

To complete the update, the bike must be connected to the application. The bike and the phone must be switched on and in close proximity to each other.

⚠ The update can take several minutes to download. Wait for the update notification before leaving the page.

9.12.7 Troubleshooting

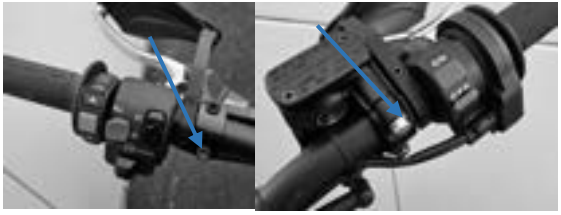
Problem	Cause	Solution
The Bluetooth connection indicator remains grey	The Bluetooth device does not connect	1 - Check that the battery is switched on and that the security switch is ON. 2 - Bluetooth activated on your smartphone 3 - Relaunch the application and proceed with Bluetooth pairing.
It is not possible to modify a parameter 	Bluetooth pairing problem	1 - Switch Bluetooth off and on again If this does not work, restart the application and perform the Bluetooth pairing.

10. Adapting the motorcycle to the rider

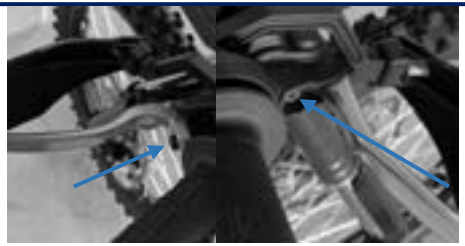
It is important to find the right position on the motorcycle before setting off. Being comfortable on the motorcycle allows you to ride safely on public roads and handle the bike smoothly. To adjust your motorcycle to your liking, adjust the position of the motorcycle levers, mirrors and handlebars according to the following procedures:

10.1 Levers position adjustments

- The levers can be adjusted using a 5mm Allen key for the clutch master cylinder and an 8mm socket for the front brake master cylinder (Tightening 8Nm):



- For the lever positioning, you have to adjust these 2 screws



⚠ We recommend not changing the lever guard.

⚠ Be sure to frequently check the tightness of your master cylinders.

10.2 Mirrors position adjustments

- Tighten the rear-view mirror using a 13 mm spanner while holding the mirror in place for adjustment.

10.3 Handlebars position adjustments

The handlebars can be adjusted by untightening the 4 screws holding the handlebars on the bar mounts.

- Loosen the 4 screws with 6mm Allen.
- Adjust the Handlebar.
- Tighten the 4 screws evenly at 14Nm

⚠ Please, frequently check that the screws holding the handlebars on the bar mounts are tight.

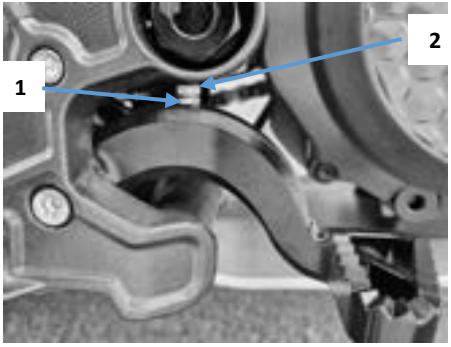
⚠ Please, make sure that the handlebars are centred on the bar mounts.

10.4 Rear brake pedal position adjustments

The rear brake pedal is located in front of the right footrest.

The position is adjusted as follows:

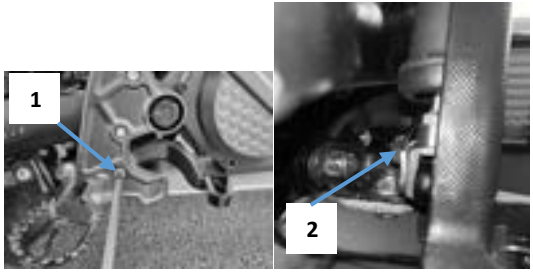
- Stop the vehicle (☞9.10)
- Raise the motorcycle onto a stand (☞11.1) or place it on its side stand.
- Loosen nut 1 with an 8 mm flat wrench.
- Tighten/loosen screw 2 to the desired setting.
- Lock the position by tightening nut 1 again.



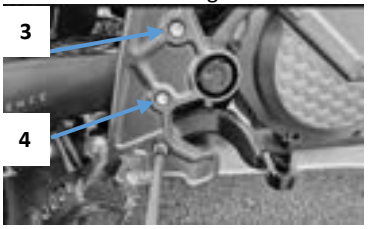
10.5 Rear brake clearance adjustments

This setting allows you to adjust the sensitivity of your brake pedal.

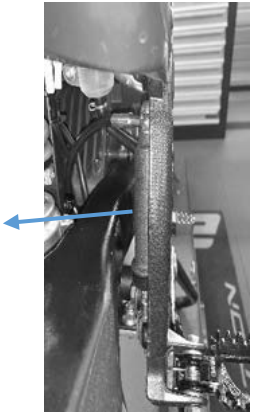
- Stop the vehicle (☞ 9.10)
- Raise the motorcycle onto a stand (☞11.1) or place it on its side stand.
- Loosen screw 1 with a 6 mm Allen key while holding nut 2 with a 13 mm flat wrench.

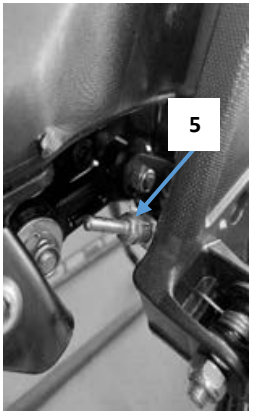


- The brake pedal is now free.
- Loosen screws 3 and 4 using a size 5 Allen key.



- Slightly shift the master cylinder and remove the needle from the master cylinder body.





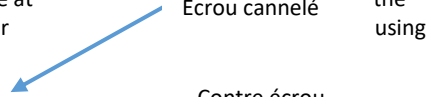
- Screw or unscrew nut 5 to the desired setting.

Reassembly: Follow the disassembly steps in reverse order, taking care to reassemble the brake pedal before the master cylinder to facilitate reassembly of the needle.

10.6 Shock absorber adjustment Escape X+

10.6.1 Hydraulic adjustment

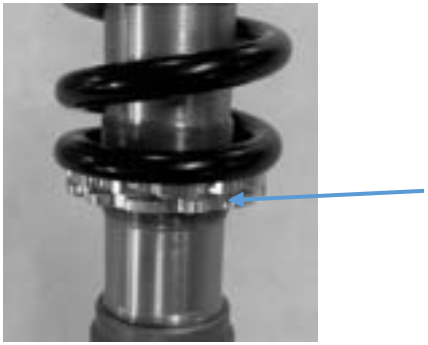
- This adjustment is made at the top of the shock absorber using a flat screwdriver.
There are 18 adjustment settings for the hydraulics.



	HARD	MEDIUM	SOFT
Number of clicks	0 – 5	5 – 12	12-18

- When adjusting, it is best to start by closing the dial until it stops, then unscrew it to the desired notch. The factory setting is 5 clicks.

10.6.2 Spring preload adjustment



- The rear shock absorber can be accessed by lifting the rubber flap located behind the tyre.
- The spring preload is adjusted by screwing and unscrewing the splined nut.
- This nut is locked by a lock nut.
- It is advisable to unscrew the nut completely, then screw it back in until it touches the spring. From there, screw it in to select the desired compression length.
- The factory setting is 156 mm of spring preload.

10.7 Shock absorber adjustment Escape XR+

10.7.1 Rebound adjustment

- This adjustment is made from the right side of the motorcycle and on the top of the shock absorber, using the knob on the cylinder.

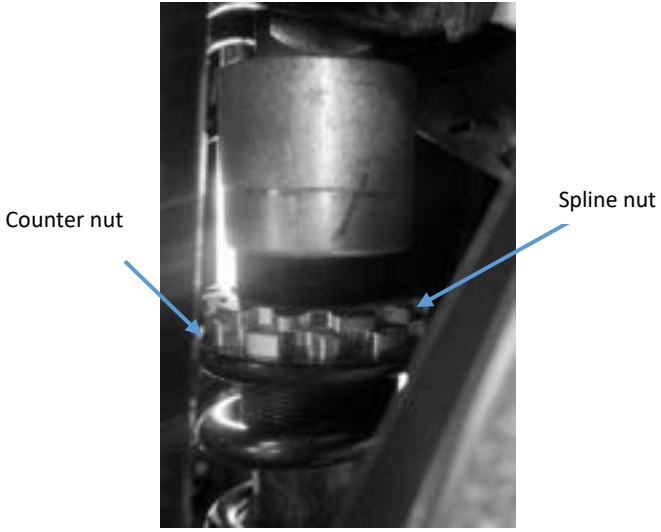
- There are 31 adjustment clisks.

	HARD	MEDIUM	SOFT
Nulber of clicks	0-5	8-10	20-25

- When adjusting, it is best to start with closed settings, by turning the screw clockwise to the stop and then unscrewing it to the desired notch afterwards. The factory setting is 5 clicks.

10.7.2 Spring preload adjustment

- The rear shock absorber can be accessed by lifting the rubber flap located behind the tyre.
- The spring preload is adjusted by screwing and unscrewing the splined nut.
- This nut is locked by a lock nut.
- It is advisable to unscrew the nut completely, then screw it back in until it touches the spring. From there, screw it in to select the desired compression length.



11. Maintenance

Find all our maintenance support videos on our website:
https://em-motorcycles.com/en/after-sales-faq

11.1 Raise the motorcycle onto a stand

- Stop the vehicle (☞ 9.8).
- Raise the motorcycle using an adjustable or non-adjustable stand, placing it under the engine guard.

⚠ Make sure you are on flat ground to prevent the motorcycle from falling off the stand.

Be careful when lifting the motorcycle if you do not have an adjustable stand.
Make sure the motorcycle is stable before letting go to prevent it from falling.

11.2 Remove and reinstall the fork arms

Disassembly

- Stop the vehicle (☞ 9.8).
- Raise the motorcycle onto a stand (☞11.1).
- Remove the headlight plate.
- Remove the front mudguard.
- Remove the front wheel (☞11.7).
- Remove the front brake caliper/offset bracket assembly by removing the two 10 mm hexagon head screws from the bottom of the left fork.
- Carefully let the front brake caliper/offset bracket assembly hang from the end of the brake hose.
- Loosen the upper triple clamp bolts using a 6 mm Allen key.
- Loosen the lower triple clamp bolts using a 6 mm Allen key.
- To remove the fork arms, carefully slide them one by one towards the ground.

Reassembly

- Slide the fork arms, one by one, into the fork clamps.

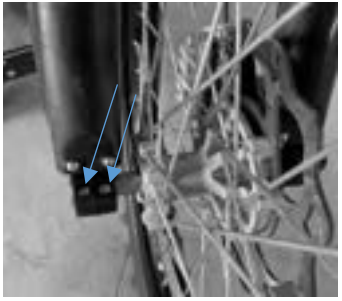
- Adjust the position of the fork arms so that the top of the fork caps extends 4 mm beyond the upper clamp.

- Tighten the upper and lower fork clamp bolts without over-tightening.
- Using a torque wrench, tighten the upper and lower fork clamp bolts to 15 N.m.
- Reinstall the front brake caliper assembly/offset bracket on the left fork arm. Use a 10 mm socket to tighten to a torque of 20 N.m.
- After tightening the clamps, tighten the wheel axle to 40 Nm.

Gently compress the fork (approximately 2 to 3 cm) and repeat the operation 2 to 3 times to centre the wheel axle.

FORK

- Tighten the two wheel axle flange screws to **10 Nm at equal distances.**



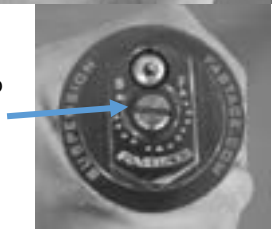
Serial Setting

Compression: carefully remove the rubber cap at the bottom of the fork leg using a flat screwdriver.

Screw the compression screw in without forcing it until it stops, then open it by 5 clicks. Replace the cap.

Rebound:

Screw in the detent screw as far as it will go (direction S) without forcing, then open with 8 clicks (direction F).



⚠ Make sure that the front brake is working properly before setting off again. When refitting the wheel, the front brake pads may have been pushed back. This causes the brake control to feel soft. Press the front brake lever several times to push the pads back and restore proper braking to the front wheel.

11.3 Cleaning the fork

It is essential to clean your fork after each use, and without delay! Nothing is more dangerous for the seals than dried mud.

- Stop the vehicle (☞9.8).
- Raise the motorcycle onto a stand (☞11.1).
- Lubricate the dust seals.
- Clean the fork tubes with a soft cloth and then lightly grease them with silicone-based lubricants.
- Remove any excess lubricant.

⚠ Absolutely prohibited: any aggressive product, such as degreasers.

⚠ If a high-pressure cleaner is used, do not direct the high-pressure jet directly at the joints.

11.4 Chain tension

- Stop the vehicle (☞9.8).
- Place the motorcycle on a stand (☞11.1).
- Loosen the rear brake caliper pressure screw using a 2.5 mm Allen key.

- Loosen the rear wheel axle.
- Turn the tension screws to adjust the tension.
- The top of the rubber chain tensioner should be approximately 25 mm from the swing arm.

11.5 Auto-setting

It is possible to do an auto-setting on the motorcycle, it will calibrate the motor.

It is advised to do an auto-setting if the user encounter acceleration problems.

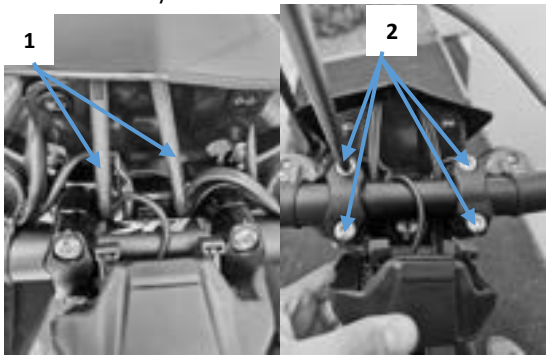
For that, please go to section 7.9 of this manual:

- Stop the vehicle (☞9.8).
- Raise the bike on a stand (☞11.1).
- And follow the instructions of the auto-setting video for your model.

11.6 Removing and reinstalling the handlebars

Removing

- Stop the vehicle (9.8).
- Raise the motorcycle onto a stand (11.1).
- Loosen the clamps 1 that hold the speedometer in place
- Remove the screws from the upper brackets using an 8 mm Allen key.



- Remove the handlebar

Reinstalling

- Place the handlebars in the lower clamps.
- Place the upper clamps and screws on the handlebars.
- Tighten the screws on the upper clamps to a torque of 14N.m.
- Retighten the speedometer clamps.

⚠ Before riding the motorcycle again, make sure that the handlebars are securely fastened to prevent falls.

11.7 Removing and refitting the motorcycle fairing

- Stop the vehicle (☞ 9.8),
- Raise the motorcycle onto a stand (☞ 11.1),
- Remove the headlight plate,
- Remove the front mudguard (☞ 11.7),
  Remove the central cover of the motorcycle by unscrewing the screw using a 5 mm Allen key.

- Démonter la selle avec la clé Allen de 5mm puis glisser la selle vers l'arrière.

- Remove the cover by pulling the sides apart.

11.8 Setting the speedometer

Preparation

- Raise the motorcycle onto a stand
- Turn on the battery

For wheel ratio and circumference settings, follow the principle below:

Wheel length

- Long press (>5 seconds) on ‘UP’ and on the central button from the ‘Warning screen’
- Change the values using the ‘UP’ and ‘DOWN’ buttons

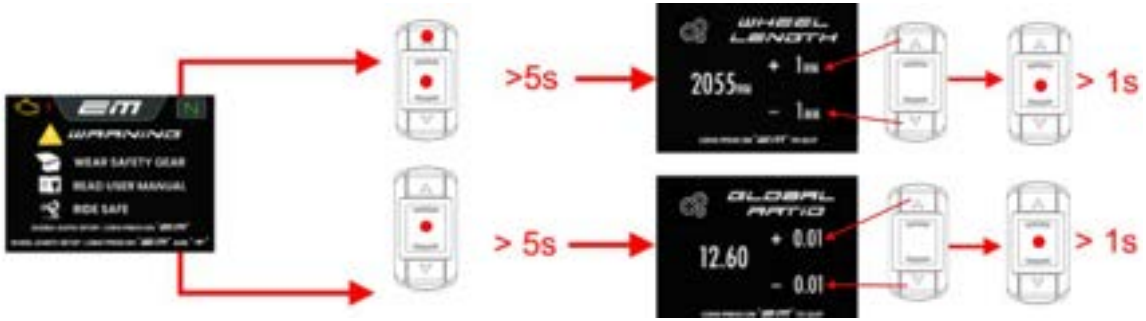
Press and hold (>2s) the central button to save and exit

Global ratio

- Long press (>5 seconds) on the central button from the “Warning screen"
- Change the values using the ‘UP’ and ‘DOWN’ buttons
- Press and hold (>2 seconds) the central button to save and exit

The defaults values are:

Ratio	15.97
Wheel length	2030



11.9 Essential verifications

11.9.1 Chain condition

The chain is a crucial transmission component in the operation of the vehicle.
It must be properly lubricated before each use.
The links must move freely without any sticking points between two links.

⚠ A chain in poor condition could cause premature damage to the sprockets.

11.9.2 Condition of the brake pads

Brake pad wear occurs in the contact area between the disc and the brake pads.

⚠ We strongly advise against driving with brake pads less than 1 mm thick.

11.9.3 Condition of brake discs

Disc wear occurs in the contact area between the disc and the brake pad.

⚠ We strongly advise against riding with discs that are less than 2.5 mm thick.

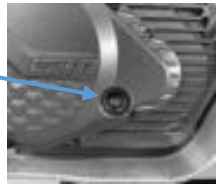
11.9.4 Chain tensioner condition

The chain tensioner is a highly stressed component, particularly the spring, which is responsible for maintaining pressure on the chain.

⚠ Please keep the chain tensioner clean and well lubricated to prevent premature wear.

11.9.5 Clutch oil level

The minimum oil level should be in the middle of the eye on the clutch housing.



⚠ Using the vehicle with insufficient oil can cause premature wear or failure of mechanical components essential to its operation.

11.9.6 Springs condition

The footrests are retractable thanks to springs to prevent them from breaking in the event of an impact.

These springs must be clean and properly lubricated to ensure they function properly.

The stand and chain tensioner springs must also be properly maintained to ensure optimal performance.

11.10 Services

	Check	Change
Tightening	After the first 2 hours, then every 20 hours	
Clutch oil (XR)	20 H	40 H
Transmission oil (X)	20 H	100 H
Chain	After each use	

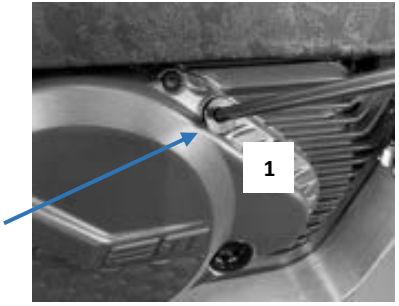
Element	Standard	Limit of use
Wheel/Tyres		
Cold tyre pressure (Front and rear): For road driving: For use on private roads only:	150kPa (1.53kgf/cm²) 100-110 kPa (1.02-1.12 kgf.cm²)	-

Parts	Torque (Nm)
Wheels	
Front wheel axle	40
Front wheel axle clamping screw	10
Front brake caliper screw	20
Front and rear brake disc screws	20 + Loctite
Rear wheel axle	60
Steering	
Steering column	50
Triple clamp screws	15
Handlebar clamp screws	14
Shock absorber	
Upper shock absorber/frame bolt	50
Link/delta axis	30
Swing arm shaft	50
Motor	
Clutch disc screw	6
Frame/Front transmission axle	25 + Loctite
Frame/Rear transmission axle	30
Casing screw	11
Engine/crankcase bolts	20 + Loctite
Rear sprocket	20

12. Maintenance

12.1 Clutch oil change (Escape X+/XR+)

- Stop the vehicle (☞ 9.10)
- Raise the motorcycle onto a stand (☞ 11.1) or place it on its stand.
- The operation can be performed with the engine skid plate installed or removed.
- Open the filler cap 1



- Open the drain plug 2

Be careful, the oil will leak out. Have a container ready for the used oil.

- Wait until the oil has completely drained out
- Clean the magnet on the drain plug
- Reinstall the drain plug, tightening torque 17 Nm
- Fill the transmission with **200 ml** of ATF.

Recommended oil: MOTUL ATF VI

- The level should be in the middle of the eye 3
- Replace the filler cap with the copper washer, tightening torque 17Nm
- Reinstall the battery

Maintenance frequency:

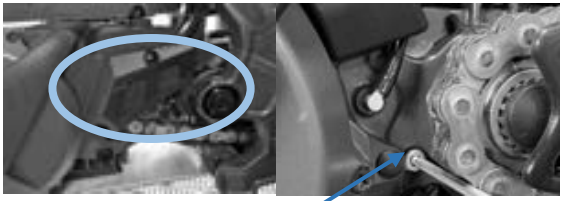
Check oil level/condition: every 5 hours

First oil change: **10 hours**

Oil change frequency: e**very 20 hours**

12.2 Transmission oil change (Escape X+)

- Stop the vehicle (9.10)
- Raise the motorcycle onto a stand (11.1), or place it on its stand.
- The operation can be performed with the engine skid plate installed or removed.
- Open the vent screw 1 using a 4 mm Allen key located behind the cover.

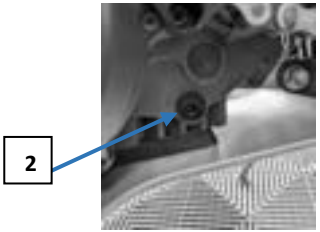


1

- Open the drain plug 2

Be careful, the oil will leak out. Have a container ready for the used oil.

- Wait until the oil has completely drained out
- Clean the magnet on the drain plug
- Wait until the oil has completely drained out
- Clean the magnet on the drain plug



- Reinstall the vent screw 1
- Fill the gearbox by tilting the motorcycle slightly through opening 2 with **350ml** of 10W viscosity oil.

Recommended oil: MOTUL Transoil Expert 10W-40

MOTUL

- The level should be in the middle of the eye 3
- Reinstall the filler cap with the copper washer, tightening torque 17Nm
- Reinstall the battery

Maintenance frequency:

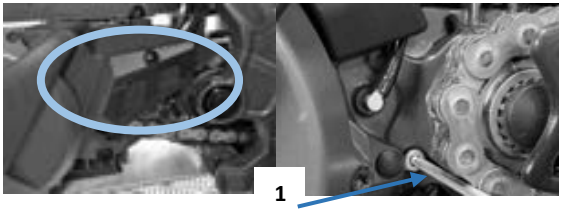
Check oil level/condition: every **20 hours**

First oil change: **10 hours**

Oil change frequency: **every 60 hours**

12.3 Transmission oil change (Escape XR+)

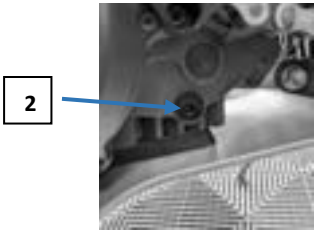
- Stop the vehicle (9.10)
- Raise the motorcycle onto a stand (11.1) or place it on its stand.
- The operation can be performed with the engine skid plate installed or removed.
- Open the vent screw 1 using a 4 mm Allen key located behind the cover.



- Open the drain plug 2

Be careful, the oil will leak out. Have a container ready for the used oil.

- Wait until the oil has completely drained out
- Clean the magnet on the drain plug



- Reinstall the vent screw 1

- Fill the gearbox by tilting the motorcycle slightly through opening 2 with **200ml** of 10W viscosity oil.

Recommended oil: MOTUL Transoil Expert 10W-

MOTUL

- Reinstall drain plug 2, tightening torque 17 Nm
- Reinstall the battery

Maintenance frequency:

Check oil level/condition: every **5 hours**

First oil change: **10 hours**

Oil change frequency: **every 60 hours**