



Owner Manual

for CARBON SUV E BIKE

Version December 2017





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1 DISCLAIMER, COPYRIGHTS AND TRADEMARKS

1.1 Original Instructions, Translations and Updates

Original instructions are produced in English. Translations of the original instructions to other languages may take place, however Moto Parilla accepts no responsibility for any errors or misinterpretation of information as a result of such translation.

On request we can supply version in any EU language.

Visit www.motoparilla.it/manuals to check for any new revisions or updates to this manual.

1.2 Disclaimer

The specifications, information and performance of the CARBON SUV E-BIKE and other products manufactured by or sold under license granted by MOTO PARILLA and featured in this document may change without notice. The use of this information or products and the conditions under which the products are used are the sole responsibility of the buyer and/or the rider. It is the buyer's and/or rider's responsibility to determine the correct and safe selection of settings and conditions of use of the products and to periodically check the products for secure and proper operation. To the extent that the law permits, any liability which may be incurred as a result of the use of a product manufactured by or sold under license granted by MOTO PARILLA is limited to the cost of repairing or replacing the failed product or component at the discretion of MOTO PARILLA, either within or outside of warranty periods, and does not extend to any loss or damage which may be caused as a consequence of misuse or failure of the products. Damages to the product, other property or any persons are the responsibility of the buyer and/or rider. By using this product manufactured by or sold under license granted by MOTO PARILLA, you are stating that you have read this disclaimer and agree to hold MOTO PARILLA, its owner/s and any of its employees or directors free from all liabilities, that you agree you are using and operating the product at your own risk, and that no warranties or guarantees are made by MOTO PARILLA, expressed or implied, on performance or operation.

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1.4 Trademarks

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CARBON SUV E-BIKE is a patent design of MOTO PARILLA.

All trademarks and the CARBON SUV E-BIKE pictures and logo may not be used without the prior written approval of MOTO PARILLA, a United Kingdom Registered Company Number 09668579.



1.5 Standards and Conformity

CARBON SUV E-BIKE is an electric power assisted cycle developed in accordance with:

2006/42/EC

The Machinery Directive

2 SAFETY

2.1 General Warning

This manual contains many warnings and cautions, which if ignored, may increase the risk of injury to you as a rider, may cause damage to the product or may invalidate the warranty. We recommend that you read and understand this manual in its entirety, prior to your first ride. Before riding your CARBON SUV E-BIKE you must visit www.motoparilla.it/manuals for up to date important safety related information. Riding any bicycle involves the risk of product damage, serious injury or even death. Such risks are increased in busy, urban environments with moving traffic. By choosing to ride a CARBON SUV E-BIKE, you assume the responsibility for these risks, and it is important that you know how to ride responsibly and to exercise proper maintenance to minimise such risks and potential damage. Do not try to ride beyond the limits of your ability or the limits of the CARBON SUV E-BIKE.

We strongly recommend that you learn more about the inherent risks associated with riding bicycles and suggest that you:

- Ask your local bike retailer for information or instruction on safe cycling.
- Ride within your means and ability.
- Attend a training session or safe cycling workshop run by many local bike clubs, police departments, schools or government support groups.
- Always keep both hand on the handlebar and the eyes on the road.
- Always seat properly in the seat, with the legs one for each side and the feet on pedals in the proper way
- The bicycle don't stand alone and it is always possible to fell down. So drive and stop always carefully and wear appropriate protection for reduce the effect of any injury
- Always wear homologated helmet
- Search "bicycle safety" online for reference information.

Skills of riders can vary; for example, it takes a highly skilled rider to travel at high speeds and/or close to obstacles, cars or other cyclists. Do not ride in a manner that exceeds the limits of your ability.



2.2 Intended Use

CARBON SUV E-BIKE is an electric bicycle developed and designed for commuting usage and/or simple riding in fair weather and at speeds relevant to safe and appropriate travel in an urban or suburban environment. Where applicable, the product meets the minimum requirements outlined in EN 14764:2005 and EN 15194 (for 250W). Abusive riding styles or inappropriate use will invalidate any warranty protection offered

WARNING! Understand your CARBON SUV E-BIKE and its intended use. Using your CARBON SUV E-BIKE in the wrong manner or for the wrong purpose can be dangerous and may impact the service life of the product.

The CARBON SUV E-BIKE is a power-assisted bicycle intended for sensible use by physically competent riders. If you have any concerns or doubts about your use or enjoyment of such a product due to a medical condition, an illness or if you are recovering from treatment for a condition or illness, you should consult your doctor regarding the suitability of the product for you. If you are the user of an implanted medical device such as a pacemaker or defibrillator, you agree to seek appropriate advice from the manufacturer of such device prior to the usage of MOTO PARILLA products.

2.3 Customizing

WARNING! Do not modify or customize your CARBON SUV E-BIKE or CARBON SUV E-BIKE components in any way. Such modifications or refinishing will make void any applicable warranty.

Modifications can cause damage which can increase the risk of failure and accident which may result in serious injury or death. Refinishing can hide structural damage, such as fatigue cracks or structural problems which may also result in an accident.

2.4 Maximum Design Limit

WARNING! This product has been designed with a maximum recommended weight limit of 100kg (220lbs) for the rider, clothing and all luggage, and is intended for use on paved roads. For rider and luggage weight 100-115kg (220-250lbs): riding style, road condition, tire pressures and luggage position may reduce product service life. Never exceed rider and luggage weight at any time. Exceeding this limit will make void all warranties and may result in the product being unsafe for operation.

2.5 Riding in Low Light Conditions

In low light conditions at night, dawn, dusk or during adverse weather conditions such as fog, the visibility of cyclists is dramatically reduced

WARNING! Never ride a bicycle in low light conditions without appropriate front and rear lights fitted and “on” (illuminated) that meet or exceed the national standards of the country in which it is being ridden.



We recommend that you consult the relevant national safety organization or a reputable cycle dealer on what the minimum recommended lighting requirements are in your particular country or region.

We also recommend to wear bright, reflective clothing such as reflective vests, leg and arm bands

2.5 Stopping the CARBON SUV E-BIKE

The CARBON SUV E-BIKE is equipped with front and rear hydraulic disk brakes, operated by two levers on the handlebars (shown). Before riding, it is important to familiarize yourself with which brake lever operates the front brake and which operates the rear brake. Proper use of your brakes will slow and bring your CARBON SUV E-BIKE to a safe and controlled stop.

WARNING! To slow or stop the CARBON SUV E-BIKE in normal operation, apply the brakes appropriately. In the event that an emergency stop is required, apply the brakes appropriately and in a safe and controlled manner until you have brought the CARBON SUV E-BIKE to a complete stop. Do not release the brakes until it is safe to do so.

Action on brake could block the wheel so the rider must be ready at all times. Reduce speed dramatically if street condition could make the blocking of wheel easy, in order to help slow or stop the CARBON SUV E-BIKE in a controlled manner.

Aggressive use of the brakes may cause your CARBON SUV E-BIKE to skid, potentially resulting in loss of control. Anticipate your need to stop and slow using appropriate pressure on the brake levers.

2.7 Riding in Wet, Cold or Icy Conditions

Under wet, cold or icy conditions, the stopping power of your brakes and tires (as well as the brakes of other vehicles sharing the road) is dramatically reduced. This makes it harder to control speed and easier to lose control. It also makes skidding during turning more likely. Ride more slowly and cautiously when in wet weather. If it is cold, near or below the temperature when water freezes, be careful of ice on the roads which could be dangerous.

WARNING! Wet or icy conditions impair traction, braking and visibility, both for the cyclist and for other vehicles sharing the road. The risk of an accident is dramatically increased in wet conditions

To make sure that you can slow down and stop safely in wet conditions, ride more slowly and apply your brakes more gradually than you would under normal, dry conditions, taking care to anticipate your need to stop and slow to avoid any aggressive use of the brakes.

We do not recommend riding in heavy rain or standing water, but we do understand that this is not always avoidable. If your CARBON SUV E-BIKE gets wet, clean and dry it within 10 minutes of heavy wet weather riding. See 7.2 Cleaning and Preventing Corrosion for more information.



2.8 Riding in windy conditions

You must consider that the dimension and the geometry of the CARBON SUV E-BIKE is not common. It is important to become accustomed to the different feeling of ride.

In windy conditions, especially lateral wind, due the great dimension of the bike, wind action can be very effective and deviate the bike from its line or induct shacking vibration. Please take note and be ready to prevent and take the necessary action to keep the bike in its line and reduce the speed to under 15 km/h (9 mile/h).

Always keep both hands on handlebar in windy conditions.

WARNING! Windy conditions modify the behavior of the CARBON SUV E-BIKE. The risk of an accident due the lost of control of the E-bike is dramatically increased, so the speed must be reduced to under 15 km/h (9 mile/h) for the safety of both the rider and the cyclist as well as for the other vehicles sharing the road

2.9 Riding in high traffic conditions with trucks

Please take note that big trucks move a great volume of air and when they overtake a bicycle rider they produce an effect of strong lateral wind.

If possible please avoid riding in this road condition if not strictly necessary and in case, apply the instructions of “riding in windy conditions.”

Apply the instruction of “riding in windy conditions” any time a truck is going to overtake.

2.10 Limited Life Span

WARNING! Bicycles have a limited life span for safe operation and are not indestructible

As with all mechanical components, bicycle components are subject to wear and high stresses. Different materials and components may react to wear, stress or fatigue in different ways. Excessive wear and high stress of your CARBON SUV E-BIKE may be hazardous.

The expected life span of a CARBON SUV E-BIKE or its components will vary with the material and construction of the frame and components, the maintenance received over its life and the type and amount of use. Any unusual or abusive riding style, such as off-road cycling, competitive riding, stunt cycling, jumping or riding at excessive speed and braking hard, can accelerate the wear and fatigue of components to the extent where premature and sudden failure of a component may occur without warning and the risk of injury is increased.

Any form of crack, scratch or change of coloring in highly stressed areas indicate that the life of the component has been reached and you should replace it before any further use is made.

See Section 7.5 Checking for Cracking and Fatigue Failures for parts of the CARBON SUV E-BIKE that require visual inspection from time to time.

A blow to your CARBON SUV E-BIKE, either major or minor, can cause stress and fatigue on the CARBON SUV E-BIKE and its components or compromise the integrity of the electronics, including the battery, electronic controller, motor drive system or wiring. In the event of an accident and if safe to do so, put your battery into sleep mode. (see Section 5.3.4.) Check



for visual damage before continuing to ride the CARBON SUV E-BIKE. If the CARBON SUV E-BIKE has sustained damage other than light cosmetic scratches such as dented, cracked, bent or misaligned components, do not ride your CARBON SUV E-BIKE until it has been inspected by an authorized CARBON SUV E-BIKE service center. If in doubt about the inspection of your CARBON SUV E-BIKE, contact techsupport@motoparilla.it

2.11 First Ride

WARNING! First familiarize yourself with the modes of operation, controls and performance of your CARBON SUV E-BIKE before venturing onto busy streets.

We strongly recommend that you familiarize yourself with your new CARBON SUV E-BIKE by first riding it in a controlled environment, away from potential hazards such as moving traffic and obstacles. It is important to become familiar with the modes of operation, controls, brakes and the different performance features inherent to the electric motor.

WARNING! Your braking efficiency will increase during the first few rides as your brake disks and pads “bed in”. To accelerate the increase in braking performance, perform a number of controlled stops under hard braking. Please do that by following the instructions in 2.6 carefully.

2.12 Steering radius

Your CARBON SUV E-BIKE is very big and long which is what make it cool and unique. The steering radius is usually bigger than an ordinary bicycle. It is therefore necessary to become accustomed to the steering radius of your CARBON SUV E-BIKE before riding on main roads. It is advisable to practise different turning conditions and bear in mind the personal turning performance of your CARBON SUV E-BIKE before reaching a turning where the reduction of speed according to the turning radius, is requested

WARNING! If speed is not reduced or a wrong calculation of the turning is made, the rider could lose the riding line, the position in the lane or even cross over to the opposite lane, all of which could have dramatically dangerous consequences. Therefore, for the safety of both the rider and cyclist and for other vehicles sharing the road, speed must always be reduced before a turning and in relation to the radius requested

2.13 Moving and parking

CARBON SUV E-BIKE is supplied without any stand. When you park the bike take care that it is in stable condition and that is not in area where can fell down to children or animals.

Don't park the bike in not flat street if possible, if not possible take care that due the gravity force the bike can move itself and injury people and damage things and itself. So take all the prescription for avoid any spontaneous movement. If not possible in anyway to park the bike in not stable, lay down slowly and carefully to the ground the bike.

You move the bike by hand walking at its side, keep both the hand on the handlebar and be ready to stop the bike using brake lever and please keep the bike a little bit inclined forward you so that the center o gravity projection will fell in the triangle made by your feet and the 2 wheels. In that case that bike will not risk to fell on the other side, where it can injury people and damage things.



WARNING! CARBON SUV E-BIKE is a big bike. If fell down against people, especially children, it can be very dangerous. Take care of all the consequence of a not stable parking. Moto Parilla is disclaimed for any damage coming from a not stable parking.

3 WARRANTY

Please view current warranty terms and conditions at www.motoparilla.it/warranty.

3.1 Warranty Registration

For your continued satisfaction and safety whilst riding your CARBON SUV E-BIKE, we strongly recommend you register your CARBON SUV E-BIKE at www.motoparilla.it/warranty . Doing so will enable us to contact you with important product safety-related information, should the need arise.

In the event that you wish to make a warranty claim, you must provide your original proof of purchase (sales receipt or order confirmation). Keep this information in a safe place. Before we can process a warranty claim, you must have registered your CARBON SUV E-BIKE.

Please visit www.motoparilla.it/manuals in order to stay informed of important safety notices.

3.2 CARBON SUV E-BIKE Frame Number

Your CARBON SUV E-BIKE comes with a unique identifier called a frame number, positioned on the swing arm of the CARBON SUV E-BIKE on right side just back the chain wheel. An example is shown below:



Your CARBON SUV E-BIKE frame number will be required when registering your CARBON SUV E-BIKE, making a warranty claim or making contact with Moto Parilla. Make a note of your frame number and keep it in a safe place.

If you have bought your CARBON SUV E-BIKE used from other customer you should register and update your data.



4 RECOMMENDED ASSEMBLY SEQUENCE

IMPORTANT ASSEMBLY ADVICE! Continue reading for important assembly advice, including how to register your CARBON SUV E-BIKE. See Section 4.8 CARBON SUV E-BIKE Registration.

4.1 First Assembling

IMPORTANT ASSEMBLING ADVICE! Before assembling the bike, be sure to have all the tools necessary, to be in an appropriate space and that the bike is stable. It is important not to do this alone because the assembling procedure needs one person to assure the bike does not fall. The CARBON SUV E-BIKE has no stand. In the case of a fall, the bike carbon frame and fork may become damaged. Please avoid this eventuality. Should the bike fall, check carefully for cracking before riding.

At least in 2 people take out the CARBON SUV E-BIKE and all the parts from the carton. Take note that CARBON SUV E-BIKE will arrive with front wheel, handlebar and seta disassembled. Take care to don't scratch the carbon and aluminum surface and that no parts of the bike will fell down.

IMPORTANT ADVICE!: take care of environment. Waste the carton box and all packaging material in the proper way following the rules of your country and local authority.

When assembling the front wheel take care that the spacers are in the right position on both sides. **The wide side of the spacer must touch the carbon blade fork.**





Tight the wheel nut M10 on its axle and install the brake caliper with the hose holder.
Take care that hose don't touch the tire.



Assembling the handlebar take care that the wire and the cable are well disposed and are not too tight.



Assemble the pedals and take care you have left and right pedals. The letter on pedal axle is L for left and R for right

Assemble the seat with seat post in the right position. Tighten the lock screw.



4.2 Pre-ride Checks and Service Interval

Before riding your CARBON SUV E-BIKE you must complete the pre-ride checks. This will ensure your safety and that your CARBON SUV E-BIKE is operating optimally.

- 1) Brakes performance with stopped bike (with action on brake lever the bike can't move)
- 2) That the handlebar post is not estende more than stop sign.





- 3) That handlebar is tight and that holding the front wheel you can't turn the handlebar
- 4) That seat is well tight
- 5) That screws between carbon frame and aluminum frame are well tight



6) That screws on front fork are well tight



7) Front and rear tyre pressure

8) Front and rear shock absorber pressure

9) Chain tension





Before riding please answer the following questions:

- a) Have you read and understood this manual?
- b) Have you followed all the assembly and control instructions in this manual?
- c) Have you checked that brakes are functioning properly and that you know which lever is for the front brake and which lever is for the rear brake?
- d) Have you checked that all screws are properly tightened?
- e) Have you checked that tires are properly inflated?
- f) Are you wearing an approved cycling helmet?
- g) Are you wearing appropriate protective clothing?
- h) Are you wearing appropriate shoes?
- i) According to the light condition, are you visible to other road users?
- j) If riding in a low-light level, have you equipped your CARBON SUV E-BIKE with efficient front lighting?
- k) If you are going to ride in rain or icy conditions, are you equipped with appropriate clothing?
- l) If you are going to ride in rain or icy conditions, are you aware that the risks of injury are greater?
- m) If you are going to ride in rain or icy conditions, are you sure to have the skills to ride the bike safely for yourself and for other road users, in that condition?
- n) Have you checked on www.motoparilla.it/manuals for any news and technical bulletins which could add to safety factors and if you have, have you put them into practice.

If you have answered “no” to even one of these question, please do not ride your CARBON SUV E-BIKE

Service interval	Distance ridden	Time interval	Reference
Customer registration	Before first ride	Before first ride	www.motosuv.com/customer
Pre-ride check	Before each ride	Before each ride	Owner manual
Screw tightening	Each 50 km	Weekly	Owner manual
Visual inspection	Each 50 km	Weekly	Owner manual
Brake pads inspection	Each 100 km	Monthly or less in function of the use	Owner manual
Manual update		Monthly	www.motoparilla.it/manuals
Checking for Cracking and Fatigue Failures		After any unusual or abusive riding style, crash or fall from bike and before next ride	techsupport@motoparilla.it

4.3 Handlebar Height Adjustment

Untighten the screw in the steering stem extension and find the right position sitting on the bike. Tight the screw and take care that the handlebar is symmetrically aligned with the front wheel.

IMPORTANT ADVICE! Check that the steering stem extension does not exceed the maximum of the insertion mark



4.4 Seat Height Adjustment

Untighten the screw in the seat post and find the right position sitting on the bike. Tighten the screw and take care that the seat is symmetrically aligned with the frame.

4.5 CARBON SUV E-BIKE Registration

IMPORTANT: YOUR CARBON SUV E-BIKE REQUIRES REGISTRATION!

Registration must be made within 15 days from receipt of the bike and in all cases before riding the bike.

Without registration, no warranty claim will be possible and we strictly recommend not to use the bike.

Your safety is our utmost priority. Registration guarantee that you are kept up to date with any important service and maintenance announcements.

From time to time, we may need to make you aware of important announcements regarding the correct maintenance and servicing of your CARBON SUV E-BIKE. We may also have to send you important safety related information relating to your particular CARBON SUV E-BIKE.

NOTE: Please ensure that email junk filters and safe sender settings are updated on your system to enable receipt of email from techsupport@motoparilla.it. We will not use the contact information provided for any other purpose other than to send safety information as described above.

5 CARBON SUV E-BIKE LITHIUM BATTERY

5.1 Important Information: Lithium-Ion Batteries

The following important information applies to your CARBON SUV E-BIKE lithium battery. Read carefully to ensure the proper and safe use and storage of the battery.

Your e-bike is equipped with high quality battery on a customized case. Please follow the instruction and the life of battery will be longer.

Take note that Lithium battery are dangerous good that don't follow safety instruction in that usera manual and in battery manual published on www.motoparilla.it/manuals can be very dangerous and cause injured in person and damage . Also danger of explosion can be a possibility.

MOTO PARILLA is disclaimed of any responsibility for use of battery not in conformity f safety instructions

Please check the battery manual on www.motoparilla.it/manuals

- Your battery has been designed for use only with CARBON SUV E-BIKE. Do not use the battery with any other product.
- Your battery is intended to remain within the case made by Moto Parilla at all times and should be removed only by a Moto Parilla-approved service centre or with the assistance and approval of a Moto Parilla technical support executive.



- Do not short circuit, disassemble, damage or modify the battery.
- Do not expose the battery to fire or high temperatures over 40°C (104°F).
- Do not expose the battery to water or moisture. Water can corrode or damage the internal battery safety devices and cause the battery to overheat, ignite, rupture or leak.
- Do not drop or subject the battery to strong impacts. Impacts can damage the internal battery safety devices and cause the battery to overheat, ignite, rupture or leak.
- Only use the specified charger. An inappropriate charger may cause damage or injury like fire or electric shock.
- Do not leave the battery unattended whilst charging.
- Only use, charge or store the battery in an environment with ambient temperatures between 0°C and 40°C (32°F and 104°F) and a humidity of 45% to 85% RH.
- Remove the battery before cleaning the bike with water and dry carefully before fitting the battery again.

5.2 CARBON SUV E-BIKE Lithium Battery: Usage

5.2.1 Charging Sequence

For a longer life of your lithium battery, please charge well in advance of the battery becoming flat.

It is always to prefer, when possible, to extract the battery from CARBON SUV E-BIKE before charge the battery because the heat generated normally during charging sequence have more possibility do be dissipated.
In that way the battery temperature remain lower and the life of battery will increase.

- 1) Open the battery door





- 2) Extract the battery using the handle and disconnect the cable form motor



- 3) Connect the battery charger to the electric line AC/DC (220V in EU, 110V in USA) and the light on battery charger become green

IMPORTANT ADVICE! Check that the electric AC/Dc line is equipped with all the safety device and that the line has a neutral wire well connected with earth.

- 4) Connect the battery charger to battery and the led on battery charger become red and led on battery become green
- 5) When the battery is charged also the led on battery charger turn on green color.
- 6) Disconnect battery from battery charger
- 7) Disconnect battery charger from eclectic AC/DC line

IMPORTANT ADVICE! DO NOT LEAVE THE BATTERY ON CHARGE FOR MORE THAN 12 HOURS.

NOTICE: With the battery fully charged and the charger disconnected, turn the battery off by placing it into OFF Mode. See section 5.2.4 Returning the Battery to OFF Mode for more information.

5.2.2 Battery ON Mode

The battery must be in *ON Mode* before you can use your CARBON SUV E-BIKE.

For protect the battery the battery will switch-off itself automatically after about 60 minute of stand-by, so you must make this operation before to ride the bike.

- 1) Open the battery door
- 2) Press the button until the LEDs begin to flash



NOTICE: It is important that when the battery door is close the pin in the rear part is well engaged in the carbon frame and that there are no wire on the top of battery case. All the wire must be stored on the back of battery case.

5.2.3 Checking Your Battery Charge Level

The battery charge level will show on the dashboard display during riding. You can also see the battery level when pressing the on/off button.

5.2.4 Returning the Battery to off mode

NOTICE: The CARBON SUV E-BIKE will use power when battery is in *ON Mode*. This will drain the battery. Best practice is to be in *OFF Mode* to conserve battery when not in use and the battery is fully charged.

- 1) Press and hold the battery until the LEDs turn off





NOTE: the battery will never enter *OFF Mode* if the charger is connected. To enter *OFF Mode* before disconnect the charger.

5.2.5 Automatic OFF Mode

The battery will enter *OFF Mode* automatically if not in use for about 60 minutes. Check that the battery is in *ON Mode* before attempting to ride. If the CARBON SUV E-BIKE is plugged into the charger, it will never enter *OFF Mode*. If you have a green light on your charger disconnect the charger and put the CARBON SUV E-BIKE battery into *OFF Mode*.

5.3 CARBON SUV E-BIKE Lithium Battery: Care and Maintenance

Batteries do not last forever. As with lithium-ion batteries found in most battery-powered products, the CARBON SUV E-BIKE lithium-ion battery will slowly deteriorate over time. Lithium-ion batteries begin to degrade from the point of manufacture due to a chemical reaction that gradually causes the internal impedance of the cells to increase which, in time, reduces the ability of the battery to deliver its charge. For this reason, a new battery will always perform better than one of six months old.

To maximize the potential lifespan of your CARBON SUV E-BIKE battery, follow these guidelines:

- Before first use, ensure that your battery is fully charged.
- The charge indicator on the dashboard and the capacity of the battery pack may vary during initial usage. After few discharge and charge cycles, the battery and fuel indicators will become more consistent.
- Your battery will go into over discharge protection mode if it is discharged to a critically low level. Recharge your battery as soon as possible after it becomes fully discharged. A battery will be permanently damaged if left for an extended length of time in a fully discharged state.
- If possible avoid the full discharge of the battery and recharge whenever possible to maintain the battery charge level.
- Heat accelerates the degradation of batteries. Avoid operating or storing the battery in high temperatures when possible.
- Once your battery displays less than two 2 lines, charge your battery within 48 hours. Place the battery on charge, and when the charge is complete, press the OFF button. Do not allow a nearly depleted battery to be unused for more than one month. The battery will slowly discharge until it becomes fully discharged, and this will permanently damage the battery cells.
- Once your battery displays show that battery is empty or the e-bike stop to work because undercharges of battery cut off the power, don't switch on again the battery and void to use it: the start and stop can reset the undercharge protection level of BMS that can be unable to protect the battery and damage irremediably the battery himself.



When you are not using the CARBON SUV E-BIKE, we strongly recommend that you put the battery into *OFF Mode*. See 5.2.4 Returning the Battery to OFF Mode, for more information. Do not leave the battery on charge. When fully charged, disconnect the charger and return the battery to OFF Mode.

5.4 Shipping and Handling of Lithium Batteries

Like any lithium-ion battery, the CARBON SUV E-BIKE lithium-ion battery is classified as Miscellaneous Class 9 Dangerous Goods, and as such, must be packed, shipped and handled in accordance with the strict guidelines laid out by the relevant international regulatory bodies for air, sea and road transport.

Never attempt to transport your lithium-ion battery by air, without first seeking the prior approval of your airline. Never return your battery to Moto Parilla without first making contact with techsupport@motoparilla.it Do not discard any of the battery packaging materials.

5.5 Battery Pack Disposal

When your CARBON SUV E-BIKE lithium battery has reached the end of its service life, you must recycle or dispose of it properly:

- Do not dispose of batteries with general household waste.
- When your battery no longer holds a charge, contact your local waste disposal or environmental agency for advice on the disposal of a lithium-ion battery.
- Lithium-ion batteries are classified as Miscellaneous Class 9 Dangerous Goods. Consult your local authority for further advice on storage, handling and shipping.

6 OPERATION

6.1 BAFANG Dashboard Display





Please check the manual on www.motoparilla.it/manuals

For any further question pls contact Bafang service:
<http://www.szba.com/en/service/contact.html>

6.2 Knowing the NUVINCI GERA HUB



Your CARBON SUV E-BIKE is equipped with NUVINCI N380 GEAR HUB. Nuvinci is a CVT GEAR HUB.

It is strongly recommended to visit the NUVINCI web site and read carefully all the instruction and safe manuals.

<http://www.nuvincicycling.com/en/service/Service-FAQ.html>

<http://www.nuvincicycling.com/en/service/downloads.html>

WARNING! CVT gear hub is different compared to traditional mechanical shifting. Familiarize yourself with upshifting and downshifting before riding on busy roads or in traffic.

Don't operate the gear shift when you are pedaling or when motor is working: under torque the gear shift can't operate on CVT and will stress the Bowden cable reducing its life span

6.3 Knowing the DNM shock absorber

Your CARBON SUV E-BIKE standard version is equipped with DNM air pressure shock absorber.

It is strongly recommended to read carefully all the instruction and safe manuals supplied with the e-bike.

6.4 Riding Modes

You can operate your CARBON SUV E-BIKE at different power levels to suit your personal riding style and the road condition.

CARBON SUV E-BIKE has 9 levels of power assistance to choose from, that follow different levels of speed and power from the motor.

The motor will start when you start to move the pedals in relation to the gear shift position. In low gear the motor will start proceeding into high gear shift.



CARBON SUV E-BIKE can also be equipped with throttle lever overcrossing the pedal action. With throttle lever the bike can start also from zero speed.

Your CARBON SUV E-BIKE is supplied without throttle lever assembled. Before to fit the throttle lever and use the bike in such mode be sure that this mode is legal within the boundaries the territory in which you are riding.

WARNING! Select a riding mode which is legal in the country of use. If in doubt, consult your local transport authority. 250W meet EN 15194 which has been adopted by most countries within the European Union and with 250W throttle lever use is forbidden.

In the European Union and in other countries and in some States of USA if forbidden also use in public road e-bike with a power of more then 250W. If your CARBON SUV E-BIKE has a bigger power then 250W pls before use control if is legal or not. MOTO PARILLA is disclaimed of any responsibility for use CARBON SUV E-BIKE not in conformity with law of the territory.

6.4.1 Selecting a Power level

When you press the ON SWITCH on handlebar your CARBON SUV E-BIKE will start as default at lower power level 1.



To select a power level, press buttons “+” **A** and “-” **B** looking the number displayed on display. A for increase and B for decrease.

Pls select power level in safe condition avoiding any distraction to the rider.

WARNING! It is possible to change power level during ride, but riders are advised not to do this because it could cause a reduction in rider-concentration on the road and traffic conditions and could increase the the possibility of accidents , which may result in injury or even death to a driver and to other cyclists or other vehicle drivers sharing the road

6.4.2 Rear light

For turn on the rear light keep pressed the button “+” **A** on the selector of the left side of the handlebar

For turn off the rear light keep pressed the button “+” **A** on the selector of the left side of the handlebar

6.5 Some suggestion how to better use your CARBON SUV E-BIKE

The CARBON SUV E-BIKE is designed for the simultaneous use of pedaling and motor.

Using the motor only (where allowed by law) is a second mode option.

To increase the life of all mechanical components, a lesser stress on battery and a more healthy use for the rider, we recommend the use of the CARBON SUV E-BIKE as much as possible using both pedals and motor at the same time, even where only the motor use is allowed by the law.



Range of battery and speed is difficult to define exactly because different factor will contribute in the same time, for example, but not only: power level, rider weight (including clothing and luggage), tire pressure, terrain, surface texture, wind conditions and of course, how much pedal input the rider is providing.

Of course using sole motor and/or higher top level power will have a negative effect on the range of your battery.

By other side low power level and strong pedaling from rider will ensure the best possible range.

To get the best out of your CARBON SUV E-BIKE, read carefully the following points:

1. *Peddalling:* We recommend that for the best performance you continue to pedal at all times, especially during start operation where the current rate from battery is maximum.
2. *Tyres:* before any ride check that the tires are correctly inflated.
3. *Rider weight:* Never exceed the recommended weight, but if possible use the CARBON SUV E-BIKE with the least weight possible. Used with max load, the CARBON SUV E-BIKE will reduce the battery range, will also affect your CARBON SUV E-BIKE's handling and will increase the stress on the gearbox and motor, potentially reducing the service life of the product.
4. *Riding style:* on irregular road (for example: poor road surfaces, speed bumps, potholes, etc.) pls adapt your riding style to avoid any useless extra stress to the bike, potentially reducing the service life of the product.

WARNING! Never use the motor when passing over obstacles such as ruts in the road or speed bumps, etc. Doing so will increase the stresses on the drive components and will reduce the service life of the product, possibly invalidating your warranty.

5. *Brake use:* please follow the instructions listed in point 2.6. If not necessary, avoid strong braking so as to increase the service life of the pads. If speed is reduced in time of breaking unnecessarily the battery life will be increased and riding will be safer.
6. *Imperfect weather conditions:* the CARBON SUV E-BIKE has been tested in all weather condition. However, in case of rain, ice, wet road and wind, please follow the instructions in the present manual, with extreme care.
7. *Owner manual and warranty:* pls follow the instructions on this manual, visit our web site and register your bike.
8. *Pre use control and service:* before using your CARBON SUV E-BIKE please follow the instructions in the present manual with extreme care.
9. *Storage and cleaning:* when storing your CARBON SUV E-BIKE please take care to put the battery pack in OFF-mode. Use your CARBON SUV E-BIKE for some rides also



during winter storage: long inactivity of battery can reduce the life span. When cleaning the CARBON SUV E-BIKE be sure the battery has been removed and please avoid the use of pressure water, aggressive cleaner or scratching material. Dry carefully before storage and always before to reinstalling of battery pack.

10. *Parking:* if possible do not park your CARBON SUV E-BIKE in hot sunny areas for a long time. In sunny areas, all parts of the bike can easily reach very high temperatures. High temperatures can damage the battery, display and reduce the life of the carbon fiber.

WARNING! In sunshine, both the temperature of the bike as well as the aluminum parts, can reach high temperatures. Please note and take all precautions to avoid any injuries or skin burns to the rider or to any other person potentially likely to come into contact with high temperature parts, especially children.

7 MAINTENANCE AND ADJUSTMENTS

7.1 Maintenance

In the event that you require maintenance and service please refer to techsupport@motoparilla.it . Before attempting any maintenance on your CARBON SUV E-BIKE you must visit www.motoparilla.it/manuals for up to date important safety related information.

7.2 Service interval

Service interval	Distance ridden	Time interval	Reference
Customer registration	Before first ride	Before first ride	www.motosuv.com/customer
Pre-ride check	Before each ride	Before each ride	Owner manual
Screw tightening	Each 50 km	Weekly	Owner manual
Visual inspection	Each 50 km	Weekly	Owner manual
Brake pads inspection	Each 100 km	Monthly or less in function of the use	Owner manual
Manual update		Monthly	www.motoparilla.it/manuals
Checking for Cracking and Fatigue Failures		After any unusual or abusive riding style, crash or fall from bike and before next ride	techsupport@motoparilla.it

7.3 Cleaning and Preventing Corrosion

CARBON SUV E-BIKE it was tested in any weather condition , but for your safety if not necessary we do not recommend that you ride your CARBON SUV E-BIKE in heavy rain. Please read 2.7 Riding in Wet, Cold or Icy Conditions for safety recommendations for riding in wet conditions.

If, for any reason, you have to drive in bad weather conditions and cannot avoid doing so, please follow all previous recommendations. Before storing the CARBON SUV E-BIKE be sure to clean and dry the e-bike.



- Clean the CARBON SUV E-BIKE to remove the dirt and any possible aggressive material that could be mixed with dirt (such as salt to melt ice.) Avoiding to clean the e-bike can accelerate corrosion. The warranty will not cover premature failure as a result of corrosion through neglect.
- Here are some best practice recommendations:
- If your CARBON SUV E-BIKE is wet, dry it as soon as possible.
- Park, storage and keep your CARBON SUV E-BIKE inside your house, flat, garage or covered place anyway.
- For clean the CARBON SUV E-BIKE use damp dowel or soft cloth and use soft neutral liquid soap, the same used for people

WARNING! Keep your CARBON SUV E-BIKE clean and dry at all times, where possible. Never use on the CARBON SUV E-BIKE water from a hose or high-pressure cleaning system. Never use polishes, waxes or solvents to clean or any aggressive cleaner your CARBON SUV E-BIKE. Never use scratching material. Carbon and alluminium survice are very sensitive to scratch. Never use inflammable liquid, in any case, for any reason: finally CARBON SUV E-BIKE is an electric bike, small spark are always possible and it can ignite the liquid or the vapor that maybe could be even accumulated in some parts of bike.

7.4 Lubrication

There is no need to regularly inspect, clean and lubricate the components of the CARBON SUV E-BIKE, included chain.

The NUVINCI CVT, BAFANG Motor and all the other components including bearings, are lubricated when manufactured. The chain could present traces of grease and lubrication. Please take note in that case and for some time, the chain can dirty clothes when the rider is not wearing specific bicycling clothing. MOTO PARILLA is disclaimed of any responsibility of damage of clothing due lubrication leaks from chain.

For exceptional, heavy use, off road/cross country riding, it may be necessary to lubricate the chain with appropriate grease. Please take note that in that case for some time the chain can dirty clothes when the rider is not wearing specific bicycling clothing. MOTO PARILLA is disclaimed of any responsibility of damage on clothing due to lubrication leak from chain.

7.5 Checking for Cracking and Fatigue Failures

Pls understand that also CARBON SUV E-BIKE is not eternal mechanism. As any other mechanical item, under normal riding will be stressed, and eventually the parts will fatigue, cracks will develop and it will become unsafe to ride. The life span of riding a the CARBON SUV E-BIKE e cannot be predicted since there are many variables that affect product life including:

- Rider weight
- Riding style



- Tyre pressure and type
- Roughness of the road
- Whether or not the bicycle has been crashed or damaged
- Whether or not the bicycle has been ridden over large bumps such as potholes or curbs
- The speed at which it has travelled
- Whether it has been subject to abuse or vandalism
- Time of exposure to ultraviolet radiation from the sun
- Storage conditions, such as ambient temperature and humidity levels

Following with extreme care the guidelines of this manual should permit you to ride your CARBON SUV E-BIKE for thousands of kilometers and years of life. However, you must inspect the CARBON SUV E-BIKE after any unusual or abusive riding style, crash or bike fall, to see if any of the components have cracks and need replacing. To do this, clean the CARBON SUV E-BIKE thoroughly following the instruction explained above. Take away all dust or dirt. Carefully examine all the components under good lighting.

If any crack is present, do not ride the CARBON SUV E-BIKE and immediately contact techsupport@motoparilla.it . Under normal conditions, items under warranty will be replaced.

WARNING! Failure to inspect the CARBON SUV E-BIKE thoroughly may have serious consequences and could result in serious bodily injury or even death.

WARNING! For any doubt on any possible crack, of any size or for any suspect that you should have on any components, especially after an impact or after an unusual use do not ride your CARBON SUV E-BIKE and immediately contact techsupport@motoparilla.it

7.6 checking the Brakes pads

Pls check periodically your brakes condition and disc condition, based on use of bike.

If bike is used often in downhill or in high speed in traffic condition the consumption of the pads can be very fast

For change and maintenance on brake pls follow the prescription on TEKTRO web site (www.tektro.com) and the follow pages:

<http://tektro.com/faq.php>

<http://tektro.com/download.php>

WARNING! Use only pads recommended by TEKTRO



WARNING! Worn pads can damage irredeemably the brake disc and make the riding of the bike very dangerous, with possibility di injured and even death. MOTO PARILLA is disclaimed for the use of the CARBON SUV E-BIKE with worn pads due th negligence in checking the status of brakes pads.

WARNING! Do not attempt to ride your CARBON SUV E-BIKE without re-installing the brake pads and securing split pin. Doing so may result in injury and even death.

WARNING! The braking performance of new brake pads will increase over time. Ensure that you “bed-in” your brakes by performing a number of stops

7.7 Disassembling/reassembling rear wheel

For disassembling the rear wheel we suggest you go to a specialized bicycle repair workshop. If this is not possible, please take note of the following procedure:

WARNING! Always use special gloves for protect hands. Brake disc could present cutting edge. There is serious risk to be injured. Even with gloves take care.

- 1) Using special tools open the chain and remove from rear socket. There is no need to take out from chain wheel.
- 2) Remove the ring at both side of dropout



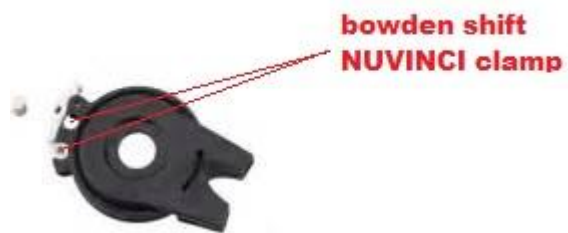
- 3) Remove the rear brake caliper



- 4) Untight the nuts and remove chain tensioner and NUVINCI wheel axle lock on both side. The NUVINCI wheel axle lock have some teeth that grip on the dropout. Eventually use a small flat screwdriver for free it.



- 5) With the help of a small screwdriver take out from NUVINCI shift the 2 bowden clamp



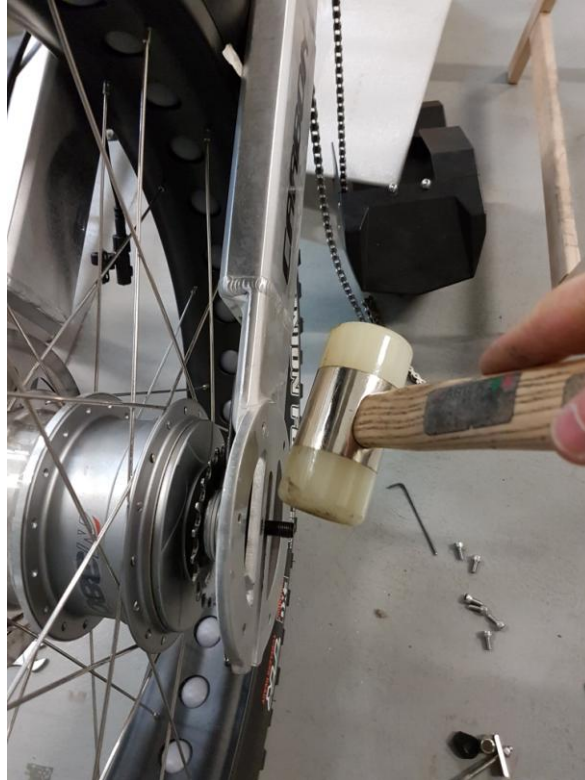
- 6) Remove the speed sensor inside the swing arm



- 7) Eventually with the help of a spanner, put the caliper holder in vertical position, to free from dropout (remember when you assembly the wheel to insert the wheel with the caliper holder in the same vertical position)



- 8) Eventually using a rubber hammer, move forward to the back until the wheel is free from its dropout.



- 9) Check the presence of aluminum spacer in the back side of the brake caliper, especially before assembly the wheel





10) For reassembly follow the instruction in reverse manner

11) Tighten the chain using the chain tensioner.

7.8 Tyres

CARBON SUV E-BIKE use fat specialized, high-performance tires.

Don't use less quality tyre.

We recommend to use the follow pressure for the tyre

TIRE TYPE	RECOMMENDED PRESSURE	MAX PRESSURE
CST Roly Poly 26X4,80	In standard road: max pressure Off road: max pressure less 10%	200 kPa
BALLON SIZE		140 kPa
Maxxis Minion FBF 26X4,80		

WARNING! Inflating the front tyre to more than recommended pressure will increase the stress on all the E-bike parts and also the rider will have a less comfortable ride.

Operating the CARBON SUV E-BIKE with a tyre pressure greater than that max pressure will invalidate the warranty.

When changing a tyre, always use plastic tyre levers. Never use a metal tyre lever as you will damage the wheel rim.

WARNING! Bicycle tyres are subject to standard consumption. When the tread depth is critically low it may be dangerous to continue to ride on the tyre, and in this event, we recommend that you replace the tyre.

WARNING! Flat tire will increase drastically the consumption of the battery.

8 TROUBLESHOOTING

8.1 Unknown Gear State: Gears Will Not Shift

Symptom: Gear shift is blocked. The gears remain in the last selected gear.

Resolution: The shift don't operate during riding or motor working. Stop to press on pedal or to use motor and operate on gear shift.

8.2 Gears Will Not Shift at all

Symptom: gear shift move but don't shift.

Resolution: Check if clamps are correctly engaged with the hub shifter. If not put the clamp in its seat and try again



Resolution: Check if Bowden cables are well fixed in the gear shift. If tightened and they move means Bowden cable is broken. Pls change Bowden cable following NUVINCI instruction.

8.3 speed Sensor doesn't work

To check the sensors:

- 1) Turn on the battery
- 2) Turn on the display
- 3) Rotate the rear wheel until the permanent magnet on spokes engage the sensor area
- 4) If sensor is in right place, one red LED on sensor will light
- 5) If no red LED on, adjust the position of permanent magnet on spoke or/and the position of sensor.

8.4 switch brake Sensor doesn't work

To check the switch brake sensor:

Advice: This operation should be performed on a private road or on a road with no traffic and performed at slow speed

- 1) Turn on the battery
- 2) Turn on the display
- 3) Start to pedal until the motor will not start to help the rider
- 4) Put low pressure on right lever and simultaneously continue to pedal: the motor has to stop working
- 5) Put low pressure on left lever and simultaneously continue to pedal: the motor has to stop working
- 6) If in point 5 operation or/and point 6 operation the motor does not stop working, please check the connector
- 7) If connector is connected, please contact techsupport@motoparilla.it

9 CONTACT INFORMATION

CARBON SUV E-BIKE is a product of MOTO PARILLA, a UK-registered company.

For any question check www.motoparilla.it