

ELECTRIC BICYCLE OWNER'S MANUAL SUPPLEMENT

For Owners of EG Bali X2, EG Barcelona Electric Bicycle

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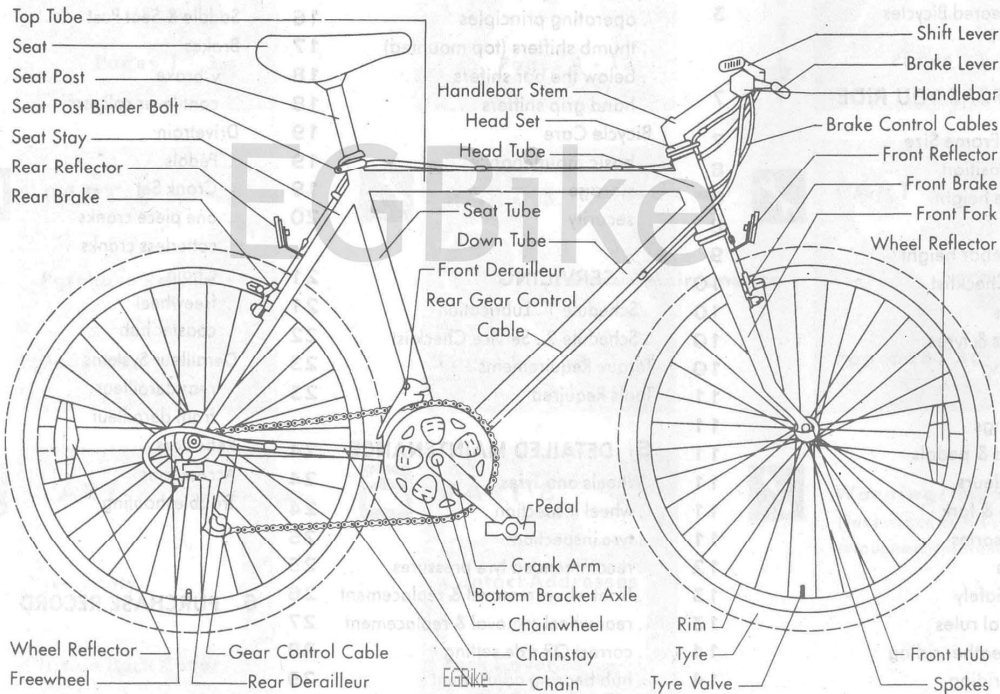
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This portion of owners manual is a supplement to the Bicycle owner's manual. This section pertains to the features in the electric bicycle and how to care for them.

INSTALLATION INSTRUCTIONS



Mountain Bicycles & Crossbikes Mountain bicycles are designed to give maximum comfort over a wider variety of road surfaces. The wider handlebars and convenient shift lever position make them very easy to control. Wider wheel rims and tyres give them a softer ride with more traction on rough surfaces. The frame and fork on mountain style bicycles is much sturdier and heavier than a racing style bicycle. A variation of the mountain bicycle is the crossbike or hybrid. This style of bicycle is lighter than a mountain bicycle but not as fast as a racing bicycle. It combines some of the features of comfort and control with lighter weight and higher speed.



How to install the bicycle out of the box

1. Unpack the bicycle from the box and cut all the ties that held the bicycle together during shipping.
2. Turn the front fork/suspension 180 degrees. If the fork cannot turn, loosen the screws holding the stem and then turn the fork. Tighten the stems back after turning the fork forward; such that the stem will protrude forward.
3. Install the saddle and the handle bar for the bicycle. The saddle can be installed by tightening and locking in the quick release. An allen key is supplied to install the handle bar.
4. ! WARNING: Please make sure you have installed the saddle and the handle bar before turning the bicycle upside down to install the front wheel. If the above steps are not followed first, turning the bicycle upside down may damage the battery controller box.
5. ! WARNING: Please make sure the installed saddle is at least 1 full inch above the battery and that the post is firmly secured before turning the bike upside down onto the seat or riding the bike. Sitting on the battery can damage the battery holder.
6. Turn the bicycle upside down in such way that the fork is facing upward.
7. Install the Quick Release lever onto the front wheel.
8. Install the front wheel by placing the wheel between the forks and the disk brake between the brake pads. Then, tighten the axle by tightening and locking in the quick release lever.

9. Turn the bicycle back around on its wheels.
10. The rear LED reflector takes 2 AAA batteries. To open the LED rear reflector use a Philips head screw driver to slowly pry it open.
11. Install the pedals to the bike. Each of the pedals has a letter indicating which side it needs to be installed to. R=Right and L=Left. Install them using the provided wrench.
12. If your bike comes with a front lamp, install the front lamp bracket and then the lamp. The lamp takes 4 AA batteries. (optional)
13. Install the front reflector to the front suspension fork of your bike.
14. ! WARNING: Be sure the main Li-ion battery is installed properly before riding the bicycle. If the Battery is installed wrongly, it may damage the battery case railing or cause the battery to fall off the bike.
15. Install the Main Li-ion battery. Ensure both side rails and the spade piece of the metal holder are totally inserted into the battery on the underside. Then, lock in the battery in place with the key.
16. ! WARNING: Before riding ensure the battery has been installed properly by inspecting the mount from the bottom to ensure there is no gap between the holder and the battery.

OPERATION INSTRUCTIONS

How to operate the Electric Bicycle

The Electric bicycle can be operated in 3 different modes:

1. *Manual Mode* –

- Place the operation switch to the left on the handle bar in the middle position, and ride the bicycle normally as you would any bicycle.
- In this mode it is not necessary to insert the key or turn on the electric controller.

2a. *Power Assist Mode “S” (Standard Mode)* –

- Place the key in the lock/switch and turn the key clockwise to the right most position.
- Place the operation switch to the left of the handle bar in “S” position, and then ride the bicycle normally as you would any bicycle.
- In this mode, the motor will assist you with full power as you pedal the bicycle.
- The motor will stop when you stop peddling in this mode.
- This mode saves moderate amount of battery power.
- This mode gives you a moderate “miles per charge” and is considered a balanced mode in terms of energy usage vs. distance.

2b. *Power Assist Mode “E” (Economy mode)* –

- Place the key in the lock/switch and turn the key clockwise to the right most position.
- Place the operation switch to the left of the handle bar in “E” position, and then ride the bicycle normally as you would any bicycle.
- In this mode, the motor will assist you with a moderate amount of power as you pedal the bicycle.
- The motor will stop when you stop peddling in this mode.
- This mode saves maximum amount of battery power.
- This mode will also give you the most miles per charge.

3. *Fully Electric Mode* –

- Place the key in the lock/switch and turn the key clockwise to the right most position.
- Install the optional throttle grips (included)
- Place the operation switch to the left of the handle bar in any position you desire.
- Twist the grips in any increments of power you desire to power the motor of the bicycle and it will take off.
- This mode uses the most amount of battery power.
- This mode will give you the least miles per charge compared to the above other modes
- This mode can be used in conjunction with any of the above modes as the motor power is supplied while twisting the throttled grip in addition to whatever mode the switch on the handle bar is engaged on.

About the “Green” Safety Switch on the throttle grip.

- This switch is now a standard safety feature on all our electric bikes from here on out. It functions as a kill switch for the throttle grip. Pressing it the first time will disable the throttle grip and pressing it a second time will enable the throttle grip once again.
- ! NOTE: This switch will NOT turn off the motor, and it will NOT disable the pedal assist mode. It is solely to switch the throttle grip “On” or “Off”.

How to read the Battery Meters and about the Li-on battery

There are 2 Battery meters on your bike. 1 is located conveniently on the handle bar showing if the power is “On” by the light in the bottom right of the meter and the 3 bars on top of that shows the state of the battery discharge. The other Battery meter is located on top of battery with 3 LEDs showing the current capacity of the battery in various states of discharge.

As with any Lithium-ion batteries, there are a limited number of times a battery can be charged. While priming Lithium-ion batteries are not necessary (which means it may be charged whenever you want without affecting its charge capacity), the number of times it is charged does affect the overall longevity of the battery life.

To conserve battery power, switch off the power by putting the key/switch in the middle position (a round symbol with an x over it), when the electric power is not needed.

! NOTE: In this position the key can be removed from the switch, so it can fall off the switch if you hit a bump while riding the bicycle.

! WARNING: Please keep the keys to your electric bicycle in a safe place. Each set of keys are unique to your particular electric bicycle and unfortunately we do not keep a copy of your key on file. Nor would we have a way of reproducing that key.

CARE INSTRUCTIONS

Battery

! WARNING:

- Never short circuit the charge or discharge battery terminals.
- Never charge the battery by the discharge terminals or discharge the battery by the charge

terminals.

- Keep the battery away from excessive heat and or open flames.
- Never pour on or submerge the battery in water.
- To avoid damage to the battery, never subject the battery to intense physical impact, shock or severe vibration.
- Protect the battery from water or moisture at all times.
- Protect the discharge and charge terminals of the battery from rain or water logging.
- Keep the battery away from children.
- When the battery is not in use for an extended period of time, remove the battery from the battery holder for storage.
- Never disassemble the battery. The battery does not contain serviceable parts.
- Do not sit on or place any object on or over the battery.
- Use only the supplied charger to charge the battery.

Battery capacity: 10Ah

Battery and Motor Voltage: 24V

Charge temperature range 0~45°C

Discharge temperature range -20~55°C

Total Charge time from total discharge: 6-8 hours

Total Charge time for the initial first 3 charges: 12 hours

If you have any questions about this battery or its usage, please do not hesitate to contact us

Storage, Maintenance and transport

Battery

- If the battery needs to be stored for an extended period of time, it should be kept at around 50% charge capacity (or charge the battery for about 2-3hours from empty) and should be placed in a dry and well ventilated place.
- To maintain battery life expectancy, the battery needs to be charged at least once for 2-3 hours every two months.
- The battery and charger should be kept in storage in a clean, dry and well ventilated place. Avoid contact with corrosive substances and keep the battery away from excessive heat and or open flames.
- Should the battery need to be transported, pack it in a box, and ensure that it is always protected from intense physical impact, shock, severe vibrations, direct sunlight, or water logging. The battery may be transported in a vehicle such as an automobile, train, ship, airplane and etc. Please check your local rules and regulations regarding such transportation.

Battery Storage conditions: Room temperature -20~35°C,

Battery Storage relative humidity: 5~65%RH

Charger

- The charger should be disconnected from the battery when it is kept in storage.
- Should the charger need to be transported, pack it into a box and ensure that it is always protected from intense physical shock, severe vibrations, impact, direct sunlight, or water logging. The battery may be transported in a vehicle such as an automobile, train, ship, airplane and etc. Please check your local rules and regulations regarding such transportation.

Charger Storage conditions: Room temperature -20 ~ 35°C,
Charger relative humidity: 5~65%RH

Charger

! WARNING:

- Never place any object on the charger.
- Never pour any liquid on or insert any metal into the charger.
- Never disassemble or modify the charger in anyway.
- Never plug or un-plug the charger with a wet hand
- Do not use the charger during a lightning storm.
- Use only the supplied charger to re-charge the battery.
- Do not operate the charger in an unstable, dusty or an excessively damp environment.
- Avoid using the charger under direct sunlight.
- Operate the charger in a well ventilation environment.
- Unplug the charger from the wall outlet when not in use.

Accessories

! WARNING :

- Ensure that your assembled accessory does not interfere with the steering, braking or the natural movement of the bicycle.

Electric Motor and Battery Features

High efficiency and power saving Electric Motor–

- High efficiency of up to 85%. 4N.m~13N.m torque
- Efficiency>80%. 24V battery for a continuous run range of more than 40 miles on a single charge in pedal assist mode.
- Produces a power of 200 Watt

High power and high torque –

- Fast pick up even under heavy load. Easily climb and ascend sloppy terrains.
- Low power consumption, Long-battery life and a Compact design.
- Battery weighs less than 8 Lbs.

Trouble-free, Low maintenance, Long life span and Easy to maintain electric motor –

- High Quality Electric Disc motor with an advance speed sensor.
- Closed system motor requires only surface cleaning and dry storage.

Charging the Battery

- Connect the battery to the charger; ensure the output terminal of the charger and the input terminal of the battery are firmly connected.
- When the charger is plugged into a wall outlet, the charger LED indicator will turn RED to indicate that the battery is charging
- The LED indicator on the charger will turn GREEN when the battery is fully charged.
- Disconnect the charger from the wall outlet before disconnecting the charger from the battery.
- To ensure long battery life, fully charge the battery for at least twelve (12) hours during the first initial three charges and charge the battery at least once for 2-3 hours every 2 months

Repair and Service

! WARNING:

- Inspect the bicycle frequently. Failure to inspect the bicycle and to make repairs or adjustments, as necessary, can result in injury to the rider or to others. Make sure all parts are correctly assembled and adjusted as written in the owner's manual.
- Immediately replace any damaged, missing, or worn parts.
- Make sure all fasteners are correctly tightened as written in the owner's manual
- Parts that are not properly tightened can be lost or operate poorly.
- Do not over tighten parts, as over-tightening may damage the part.
- Make sure any replacement fasteners are of the correct type and size.
- If you own a bike with an aluminum frame, inspect the bicycle frame carefully and frequently as Aluminum frames can develop micro fractures from stress, severe impact and shocks. If you see these micro fractures or cracks, stop riding the bicycle immediately.
- In case of micro fractures, have the bicycle frame repaired and inspected by a qualified professional before riding the bicycle again.

NOTE: Have a bicycle service shop make any repairs or adjustments for which you do not have the correct tools to or if you do not sufficiently understand the instructions set forth in this electric bicycle's manual supplement or the bicycle owner's manual.

Inspection of the Bearings Maintenance

1. Frequently check the bearings of the bicycle. Have a bicycle service shop lubricate the bearing once a year or any time they do not pass the tests as noted in the Bicycle owner's manual.

Serial Numbers to your EG Electric Bike

1. The Serial number to your EG Electric Bike is located in 2 places on the bike frame.
2. The first one is located right where the front Suspension fork meets the frame of the bike. It is at the front of the frame right near where you install the front reflector to the bike.
3. ! Warning: Before turning the bike upside down remove the battery. Ensure the battery holder does not support the weight of the bike in anyway while upside down.
4. The Second serial number is located on the under side of the bike below the saddle and below the crank of the bike in the middle. To see this one, turn the bike upside-down.

How to detach the rear wheel of the Electric bike

1. ! WARNING: We do not condone modifying the EG Electric Bicycle in any way shape or form. Modifying the bike in any way, will void your Warranty. The instructions below are written only for the maintenance or repair of the bike.
2. To detach the rear wheel, first unhook the connector near the rear wheel.
3. Unscrew the nuts on both sides of the rear axle and the wheel should come right off.
4. Unhook the chains from the rear freewheel (gears)
5. To install it back on, please note and reverse all the detachment instructions.