



ELECTRIC BICYCLE

Assembly Guide

Ridge 1.0 and 2.0

Tool List

- #1 and #2 Phillips Screwdriver
- Metric Combination Wrenches, Size M8, M10, and M15
- Metric Hex (Allen) Wrench, Size M4, M5, M6
- Diagonal Wire Cutters
- Utility Knife

Note: Your e-Moto bicycle comes with a tool kit that contains most every tool needed for assembly. Even though these tools are included, mechanics tools make for an easier assembly and should be used if available.

Getting Started...

Set out the carton paying attention to the “This Side Up” markings on the box. Next, open both the inner and outer cartons. With the box open you should remove the seat and any other loose accessories laying on top of the bike. With the loose parts removed, lift the bike out of the carton and rest it on the floor. Check the bottom of the box for any other remaining accessories. Accessories included in the box are:

- Battery Charger
 - Seat
 - Fenders
- Owners Manual
 - Tool Kit
 - Lock Chain
- Warranty Registration Card

If anything is missing from the carton contact e-Moto immediately at 888-443-6686 for a replacement.

Remove the Packing...

With the bike sitting on the ground, begin to carefully remove the packing material on the bike-- and separate the parts bound to the bike with wire ties. When removing the packing material use diagonal wire cutters instead of a knife to prevent scratching of the frame.

Installing the Handlebar



Remove all the packing materials from the handlebar.

Loosen and Remove the 2 hex bolts holding the handlebar clamp onto the stem.

Mount the handlebar centered over the knurled section of the bar, then replace the handlebar clamp and bolts, then tighten.



Installing the Fender



Find and unpack the front fender assembly. The fender assembly has a round expansion plug on one end. As you tighten the bolt, the plug grows in size and is retained.

Install the plug into the hole in the bottom of the front stem, shown in the photo below.



Installing the Fender



Center the fender on the fork, and tighten the hex bolt until the fender is secure.



Installing the Reflector



Using a M10 wrench, remove the bolt from the horseshoe bracket on the top of the front fork.

Remove the packing from the front reflector and install with the removed bolt.



Installing the Front Wheel



Remove the nut and washer from both sides of the front axle.

Insert the axle into the slots on the bottom of the front fork. Next, install a washer onto the axle on each side.



Installing the Front Wheel



Finally, install the nuts on to each side of the axle and tighten.

Note:

Pay close attention to the following segment about brake adjustments. A well functioning brake is critical to the safe operation of your new electric bike.

The directions in this manual are also applicable to brake adjustments for future bike tune ups, so be sure to hang on to this manual.

Adjusting the Brake



Loosen the M5 hex nut on the right side of the brake, then using your free hand, pinch both brake arms together until there is approximately 2-3mm of gap between the pad and the rim. Tighten the nut into this position, verify the gaps, then squeeze the brake handle and check the feel of the brakes.

Repeat this process until you have affirmative brake feel, and the handle is tight.



Adjusting the Brake



Once good brake feel has been adjusted, use your #1 screwdriver to adjust the small black screw shown above. This will allow you to adjust one pad independent of the other to set a balanced gap on both sides and to prevent brake squeal. Once there is a 2-3mm balanced gap, check the feel of the brake handle again, and turn the wheel to make sure it spins freely.

Finally, tuck the loose wire end to the cleat on the brake arm, as shown below.





Installing the Pedals



Rotate the headlight to its normal orientation, and secure any loose lengths of wire.

Next, look at the threaded ends of each pedal. The end will be stamped with either a 'L' for left or a 'R' for right. Thread the pedals on to the correct arm, and tighten with a M15 wrench. **Note:** The left pedal is reverse threaded. It will tighten in the opposite direction from the right side.





Inflate both the front and rear tires to 45psi. All e-Moto electric bicycles have self sealing tubes, so use caution to clean any residue from the self-sealing compound from around the valve stem.

Finally, install the rubber plugs and caps on the front and rear axles, as well as the dust plug in the stem, as shown below.



Final Steps



Before you ride your new e-Moto Electric Bicycle...

It is imperative for the long life of your new e-Moto bike battery that it be charged before it is ever ridden. The first charge after your bike is unpacked may take as long as 8-hours, while subsequent charges will take approximately 4-hours.

Finally, be sure to completely fill out and return your warranty registration card to e-Moto. The VIN number for your bike is stamped into the frame, just below the headset bearing and above the e-Moto logo. (See the photo above)

If you have any questions about this guide or your e-Moto electric bike, contact e-Moto immediately.



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