



# ELECTRIC BICYCLE

## Assembly Guide

VeloCity 2.0 and 2.5  
with Headlights

## 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
  - Headlight
  - 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 the protective plastic cap from the end of the handle bar assembly, and insert the two pieces at the end of the stem into the headset bearing as shown above. There is a maximum installed height etched into the stem- pick a height within the allowed range and tighten the jam nut using your M6 hex wrench. Install the Seat.

If you do not have a bicycle assembly stand, at this point you can turn the bike upside down so that it rests on the seat and handlebar. If you do have a stand, mount the bike now.



# Installing the Fender



Remove the bolt and lock nut from the horseshoe bracket on the front forks using 2 M10 wrenches. Find and remove the packing from both the Front Fender and Headlight assembly.

Mount the headlight on the removed bolt so that it rests on the front side of the bracket, then mount the fender to the back side of the bracket. Tighten.



## Installing the Fender



Next, using a #2 screwdriver, loosen the screws in the black plastic mounts for the fender stays. With the screws loosened, push the bare metal ends of the stays into the mounts, then retighten the screws. The mounts should be parallel, and as close to the end of the fender as possible.



# Installing the Fender



Using a M10 wrench, remove the bolt from the rear of each fork leg.

Use each bolt to affix the two fender stays, as shown in the photo below, and tighten.



# Installing the Front Wheel



Remove the acorn nut on the front wheel axle.

Slide the axle into the slots on the fork legs, reinstall the acorn nuts, and tighten with a M15 wrench.



# Installing the Front Wheel



On the right side of the front wheel is the wiring interface for the gyro front hub. Rotate the connector until it is in line with the fork leg, then attach the wiring harness. The wiring should be tight to the fork leg. If not, add supplemental wire ties to secure the wire.

## **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.



## Wiring the Headlight



Rotate the headlight forward and install the wires for the headlight onto the two terminals under the light.

Rotate the wheel in the direction of travel to verify the operation of the light. If the light does not work, switch the connection of the two wires.



# 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.





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



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