

THE ELECTRIC BICYCLE CO.™

"Tomorrow's Transport Today"™

Hurricane Assembly Instructions

Your Hurricane Wheel Kit will arrive in 1 carton:

Carton will include:

- Front wheel / Hub motor.
- Rear rack containing Li-Ion Battery
- Bracketing for Standard / Disc Brake Installation
- Accelerator Assembly
- Motor Cable
- Cable Ties
- Lithium Charger

Quick Check list before fitting a kit...



First step is to ensure that your forks are going to be compatible with the motor. You need 95mm in clearance in the width of the fork and this must extend 65mm up the fork from the axle.



Look at the gear shifters. Ideally a trigger shift mechanism that can clear the accelerator assembly with the top selector. **Rotary gear shifters make this installation complex and messy.**



And the bottom.



Make sure there is mounts in the frame to install the rack .

The Installation Process

This is the process that we follow to fit a kit. While it is not the only way to do it we find this process runs smoothly and avoids duplicating a job. If you feel that this may be beyond your abilities then **PLEASE** have it professionally installed.

If you have any questions – please call us here at **The Electric Bicycle Co** on **03 9584 3000** – better to call **BEFORE** problems arise rather than later to **SOLVE** problems.



Turn the Bicycle upside down and remove the front wheel.



Swap the tyre from your wheel on to the motor wheel remembering that the cable comes out of the Right Hand Side



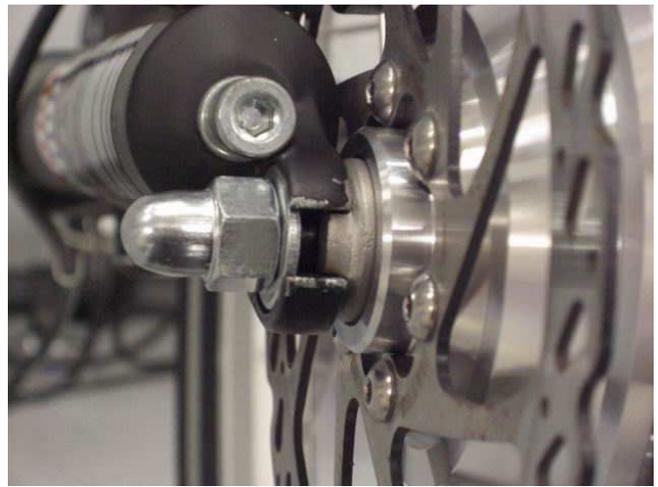
If you are using a disc brake, remove the plastic rotor spacer and use the supplied bolts **OR** make sure that the bolts used are **NO LONGER** than those supplied.



Tolerance between the housing and the internal motor is small. It is vital that the correct length bolts are used!!



If you have disc brakes then transfer the rotor from your old wheel to the hub motor.



Make sure the rotor clears the fork.



Locate the hub in to the forks making sure that the torque arm washer is in the correct place. Make sure that the motor clears the forks. If the motor is striking the forks then you will need to replace the forks.



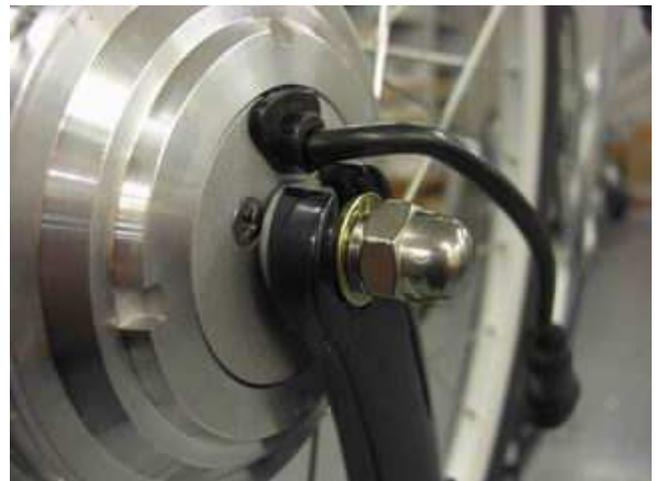
Close up of correct position – this is **CRITICAL**. The reactive rotational force of the motor is born by the fork ends. If this process is not followed correctly then the result **MAY** result in fork failure.

Fork failure IS NOT a warrantable claim.



Fit the washer in to the drop out making sure that it fits perfectly.

Any questions about suitability of your forks for this Kit is your responsibility. If in doubt, consult a professional.



Fit the spring washer and the wheel nut. **We recommend to torque the wheel nuts to 50 Newton Meters (37 Foot Pounds)**. Too tight and you may crack the fork. Too loose and the axle may rotate in the fork causing the fork to spread and crack. **This is once again your responsibility to get it right.**



Turn the Bicycle up the correct way.



These are the parts used to mount the rack



Mount the rear stays on to the frame and just nip them up. Do not tighten anything until the rack is on and levelled.



Mount the rack on the stays allowing adequate clearance over the tyre and fitting the pannier mount under the bolt.



Nip up the bolts through the stays in to the rack.



Mount the top stays on the frame and on to the rack and just nip them up



The underneath of the rack showing the top mount bolt.



Make sure the top stays do not foul the brakes. These top rods can be bent with care to ensure clearance.



Now confirm the rack is level. I use my iPhone but any level will do.



Do not wrench the head off these when tightening. If you over tighten the nut you will crack the side of the bolt where the rod passes through. Firm is fine.



Now go back over all the nuts and bolts and tighten them.



Remove the hand grip. We always try to preserve the grips so they can go back on if you choose to sell the bike or move the kit.



Fit the Accelerator Assembly to the right hand grip and tighten the 3mm Hex Head bolt from underneath to secure



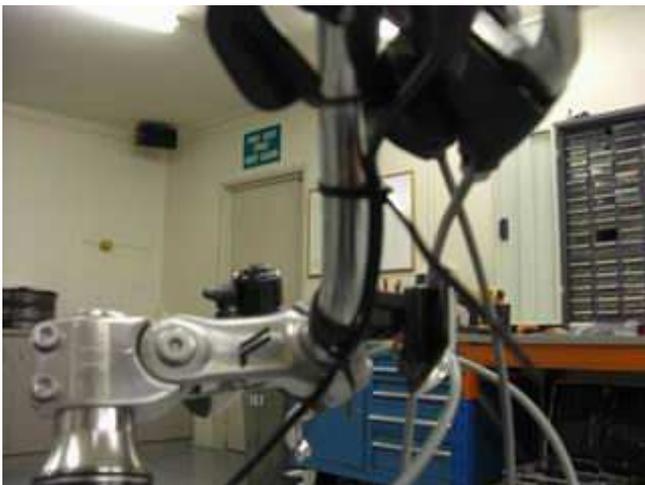
Adjust the brake / gear levers to ensure clearance from the top.



And from the bottom. This is always a bit of a compromise as it moves the levers away from your fingertips. Generally we suggest leaving the rear gears on the lowest position and that using the motor the 3 gears on the front derailleur are plenty.



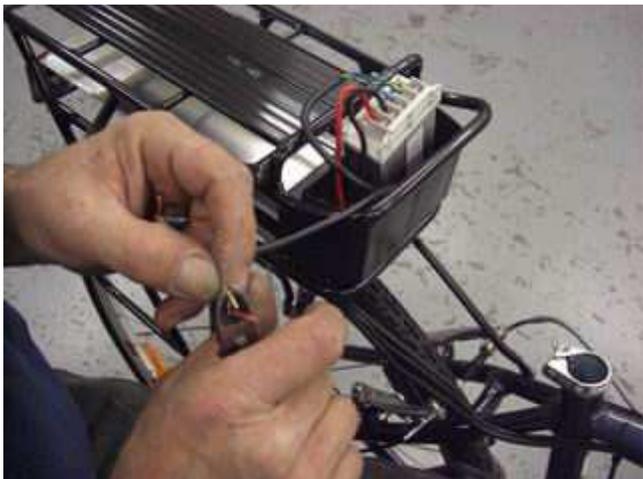
Fit the motor cable in to the plug



Use the cable ties provided to secure the Accelerator cable.



And the Motor Cable.



Run the cables back to the rack using ample cable ties to make a neat job. If you find that the cables are too long, you can shorten them easily remounting them on to the controller.



Slide the batteries in to the rack and lock in to place. Rotate the key and turn the kit on and take for a **TEST RIDE.**