

Suggested upgrades

While IN warranty

Charger – I highly recommend upgrading the charger or buying a second one. You want a smart charger that shuts itself off but one that charges at a higher rate than 2 amps for shorter charge times. The higher the amps the faster it'll charge (also the more expensive the charger). Chargers start at about \$80 for the 2 amp chargers. Having a second charge means you can keep one at work and one at home.

Surge Protector. Plug your charger into a surge protector and the surge protector into the wall socket.

Purchase Tire tube inserts to protect against flats. Like Mr Tuffy etc..

Have the steel frame sprayed for anti corrosion. (Have the electrical wires, connectors, controller and DC converter covered so they don't get sprayed.) Check the frame periodically for rust and paint any spots found with a metal paint.

Pedals – upgrade to metal pedals, preferably with small teeth to grip your shoe bottom. Fold-able pedals would be nice.

Alarm – needs to be 48V or have it's own small battery. I suggest a pager type alarm over a siren type alarm, though they are more expensive.

After warranty Expires

Install a 12 volt fan blower to blow air on the controller to keep the electronics cool on hot days and long rides. Can be wired into the 12 Volt power supply from the DC converter.



Purchase a portable air compressor 12V and wire in a power socket to the 12V power supply.



Replace the 12volt incandescent lights with 12volt LED lights where possible to reduce power draw.

The first time you change a tire tube, drill a second tube inflation hole and install two tubes in the tire. When one goes flat inflate the other one. Drilling through the Rim is a BIG job. Make sure to drill on the opposite side of rim to maintain balance. Also offset the hole from the center.

Replace the Lead acid batteries with Nickel metal hydride or Lithium batteries. Use a 48Volt pack. As high a C discharge rate as you can find. Purchase the proper type of charger(s) for the battery chemistry.