

## Electric Bicycle Maintenance Schedule

Specifically for Bikes Converted with the E-BikeKit™ Conversion System

All bicycles require regular maintenance to ensure safety and performance. Electric bikes or e-bikes converted with the E-BikeKit Conversion System require even more care since they will usually be ridden farther and faster than a conventional bicycle.

Keeping your new E-bike safe and reliable with scheduled care is easy. The list below outlines what you need to do and how often you need to do it to keep your new electric bike running smooth and safe. This list is intended for average riders and daily commuters. Ultimately the level of care should coincide with the amount of miles ridden and the conditions of those rides. The harder you ride, the more you have to care for your bike if you want it to last.

Your hub motor wheel has been hand-built in the USA by a professional wheel builder with experience building wheels with hub motors for electric bike conversions. Every E-BikeKit wheel has been properly tensioned and stress tested during the building process. This ensures that your new E-BikeKit wheel will be true, round and perfect out of the box.

### **IMPORTANT: Initial “Wheel Tune Up” – Highly Suggested**

Spokes will stretch and wheels will settle and loosen within the first 50-100 miles. This is normal and expected.

**It is highly suggested that you schedule a “wheel tune up” within your first 50-100 miles of riding on your new wheel.** Your local bike shop should be able to service your hub motor wheel, tightening spokes and ensuring the wheel is round and true. The extra torque of a hub motor stretches spokes. This is expected within the first 50-100 miles of riding. The initial wheel adjustment is most important. Subsequent “wheel tune-ups” are recommended every 3 months or 400 miles, whichever comes first.

### **Prior to Every Ride:**

- Check your wheels, especially your hub motor wheel(s) before and after every ride to be sure the spokes are tight and the wheels are solid.
- Check your fork dropouts and your axle hardware and torque arm. Everything should be tight and secure.
- Ensure you have proper pressure in your tires – under-inflated tires are hard on wheels. Higher tire pressure will increase the range of an electric bike by rolling with less resistance.
- Check you brakes, cables and wiring – with the battery on test the e-brakes / be sure no wires or cables are hanging loose on the bike. Wires should be tidy internally, inside a bag or attached to the frame with zip ties.
- Check your cranks, pedal and derailleur.
- Make sure your battery is charged and secure and that all connections are tight.

### **After Every Ride:**

- Look over tires for any damage or puncture objects
- Turn off your battery or disconnect your battery from the controller.
- Clean the bike and ensure all the parts are clear of dirt and debris

### **Once a Month:**

- Completely clean the bike, including the drivetrain if necessary.
- Inspect tires for wear; rotate or replace if needed.
- Inspect and lubricate brake levers, derailleur and all cables.

### **Inspect and check for looseness in the:**

- rear rack mounting bolts
- battery rack mounting bolts - use thread lock on these if necessary
- battery rack sliding plate - bend edges downward to ensure snug fit to EBK LiFePO4 Packs
- e-brake/brake and derailleur cable anchors
- shifter lever mounting bolts
- e-brake/brake mounting bolts - do not alter brake centering

### **Every Three Months:**

- Inspect frame and fork for paint cracks or bulges that may indicate frame or part damage; pay particular attention to all frame joints.
- Visually inspect for bent components: seat post rack or double rear rack, seat rails, seat post, stem, handlebars, chain rings, crank arms, brake calipers and brake levers.
- Visually inspect all your connectors and connections. Make sure all connectors are rust free and show no signs of corrosion or burning.

### **Every Six Months:**

- Inspect and readjust bearings in headset, non-electric hub, pedals and bottom bracket (if possible; some sealed cartridge bearings cannot be adjusted, only replaced)

This maintenance schedule is recommended for ensuring your e-bike remains safe and reliable. If you are uncomfortable performing any of the recommended maintenance on your electric bike you should consult a professional for assistance.

**Take care of your electric bicycle and it will take care of you**