

## **Advice on how to keep your Electric Bike in perfect running order.**



All bikes, and particularly electric bikes, benefit from regular checks and adjustments where necessary to keep them running at their best.

Please take a few minutes each week to have a general look over your bike and to make any adjustments that may be needed. Pay particular attention to the brakes, tyres and gears.

An electric bicycle is quite a sophisticated piece of engineering so it will pay you to look after it.

**Keep your tyres pumped up**, this is really important and you will be surprised at the difference it makes, and how much better your bike will go when the tyres are at the correct pressure. We normally recommend about 55-60 p.s.i. (recommended pressures are written on the side of every tyre.) New tyres can lose a surprising amount of pressure over a week. Also feel for thorns or objects that may be stuck in the tyres and remove them. (Please ask about further anti-puncture systems that can be applied to tyres.)

Remember to **keep the chain clean & lightly oiled**. After cleaning, use a Teflon based spray lubricant such as **TF2** or **GT85**. Turn the pedals and spray directly onto the moving chain as it runs around the rear gear cog(s). Use a cloth to prevent overspray & **Don't get any lubricant near the brakes!!**

The latest generation of Lithium batteries have battery management circuitry built into them. This BMC is there to protect against overcharging and over draining the battery cells. It also ensures that all the battery cells charge and discharge evenly, giving the whole battery a longer life. You cannot over charge the battery. The intelligent charger that comes with your bike 'reads' the battery as it charges and will switch itself off when the battery is full. The best way to look after the battery on your electric bike is to use it regularly. **Leaving it discharged will shorten its life.** It's usually lack of use that causes problems.

Never leave your bike battery discharged for long periods of time. If you are not going to use your bike for a while, **charge its battery before putting it away.** (Please check your individual bike's recommendations).

In the winter or when it is cold, any battery will become less efficient. If the battery is allowed to get cold by being left out in a garage or shed, the battery efficiency will drop considerably. This will result in the bike feeling slower and the range or distance it will travel before a recharge is required will be reduced. A good practice is to bring the battery (or the whole bike) into the house during cold weather and put the battery on the bike just before you set off. **Always try to store and charge the battery at room temperature (15 to 20°C is ideal).** Permanent damage to the battery can be caused by extreme temperatures (<0° or >40°C) or leaving it discharged over extended periods. Some batteries now 'log' how they have been used and can be checked by the supplier. **Faulty batteries resulting from neglect are not covered by the warranty.**

Although your E-Bike can cope with puddles and our wet British weather, don't ride it through fords or streams! (Electrical components such as the motor, controller & sensors do not like being immersed in water!) **Never power wash** an electric bike, and **don't use WD40** or similar. If you transport your bike in wet weather on a carrier behind your vehicle, cover it up. (The spray produced can have the force of a pressure washer!) Wash your bike with car shampoo, water and a soft cloth to keep it looking good.

**Adjust & check your brakes. Also adjust the gears** if they become noisy or do not change smoothly. This can happen more when the bike is new due to the cables stretching slightly.

You have made a wise investment in your Electric Bike and with just a few moments of regular maintenance it will continue to serve you well.

**If you don't feel confident enough to make these adjustments or have any questions,  
Please do not hesitate to call us for help.**