

## **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 eBike 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. Your eBike will go much further and easier when the tyres are at the correct pressure. Most eBikes should be around **65 - 80 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 check for thorns, etc. that may be stuck in the tyres.

Remember to **keep the chain clean & lightly oiled**. After cleaning, use a Teflon based chain lubricant or spray such as **TF2** or **GT85 (DO NOT USE WD40)**. Turn the pedals and apply directly onto the moving chain as it runs around the rear gear cog(s). Use a cloth to prevent overspray if necessary & **don't get any lubricant near the brakes!!** (The chain should be checked for wear at around 1000 miles.)

The latest generation of Lithium batteries have a 'Battery Management System' built into them. The BMS 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. The intelligent charger that comes with your bike 'reads' the battery as it charges and will switch itself off when the battery is full. Never leave your bike battery discharged. **Charge the battery after use before putting it away.**

The best way to look after the battery on your electric bike is to use it regularly. Check it at least every month or two. **Allowing it to discharge will shorten its life.** It is usually lack of use that causes problems. **If you are not using the battery for an extended period, please check the manufacturer's recommendations (usually charging to 50 – 60 % before storage).**

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 your eBike feeling slower and the range or distance it will travel before a recharge is required will be reduced. **Always try to store and charge the battery at room temperature (15 to 20°C is ideal).** A good practice, for both security & temperature control, is to store the battery indoors. Permanent damage to the battery can be caused by extreme temperatures (<10° 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 eBike 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.** If you transport your eBike 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 eBike with soapy water & use a soft brush and cloth to keep it looking good. ALSO, DO NOT LEAVE IT TO 'BAKE' IN DIRECT SUNLIGHT!

**Check & adjust your brakes. Also adjust the gears** if they become noisy or do not change smoothly. **Check your chain for wear & replace it before it gets too worn. This will avoid you having to change the sprockets prematurely due to excessive wear.**

You have made a wise investment in your Electric Bike and with just a few minutes of regular maintenance it will continue to serve you well. However, we are happy to carry out any servicing that you require.

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

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