

# CyberFront SP-B

## Owner's manual

## T-Line

### DESTINATION

Brompton folding bikes, 74mm fork width.

### GUIDELINE

Never use high-pressure spray washing directly onto the hub.

**Warning:** Water and moisture stagnant inside hub can permanently damage bearings.

Clean hubs externally with warm water and soap.

### WARNING:

1) **Micro-Tuner must be on left side of the bicycle.**

2) Incorrect bearing preload may seriously damage bearings/parts and decreases performance.

B-Lock Bolts  
10 Nm

Right Axle End

Spacer Tube

B-Lock Left  
Bolt - 6 Nm

Warning: Micro Tuner must be  
on left side of the bicycle.

Left Axle End

Micro Tuner

Left Axle End

### INSTALLATION

CyberFront SP-B features the special B-Lock system to secure the wheel to the frame saving the weight of the Quick release.

Left side B-Lock bolt pass through the fork and the original T-Line fork hook.

Tighten B-Lock left bolt at 6Nm and B-Lock front bolt at 10Nm.

Keep original hook

### BEARING SET-UP

Bearings come pre-adjusted from the factory. Optimal preload is important for long bearing life.

#### Preload checking

Before modifying bearing preload carefully check the complete wheel as follows:

- 1) Install the complete wheel into dropouts and normally tight B-Lock bolts at 10Nm
- 2) Check there is no play at rim diameter.
- 3) Leave wheel free to completely stop spinning and carefully control latest instants of movement. Stopping should be very smooth.

#### Preload tuning

If necessary fine tune as follows.

- 1) Hold right axle end with 5mm allen and turn Micro-Tuner fully clockwise by hand or with a 17mm wrench.
- 2) Unscrew Micro Tuner for 1/8 to 1/4 of turn. You can snap out Left-Axle-End to enable operation.
- 3) Repeat preload checking and eventually slightly correct it. Turn anti-clockwise to increase rolling and stopping smoothness. Turn clockwise to correct play.

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**EXTRALITE**

# Wheelbuilder's manual

## DIMENSION FOR WHEEL BUILDING

Spoke hole Ø: 2.8mm

Flanges Ø at spoke head: 25mm

Center to flanges: 28mm

See [www.extralite.com](http://www.extralite.com) to find pre-calculated spoke lengths.

## SPOKE TENSION:

**Never exceed maximum hub spoke tension: 90Kgf.**

Reduce tension if the rim manufacturer recommends a lower value.

Do not laterally over-push Axle at the spoke stretching procedure.

Excessive lateral load may damage external bearings.

## LACING / SPOKE REPLACEMENT.

### **Right spokes lacing / replacement:**

- 1) Extraxt Left Axle End, holt axle with a 10mm closed wrench and unscrew Right Axle End with a 14mm closed wrench.
- 2) Insert / replace spokes.
- 3) Reassemble all parts. (Right Axle End: 7Nm)

### **Left spokes lacing:**

- 1) Pull Left Axle End and remove it. Fully unscrew Micro Tuner with 17mm wrench.
- 2) Pop out left side Spoke Flange by pulling it.
- 3) Insert all left side spokes.
- 4) Insert Spoke Flange onto Spacer Tube.
- 5) Grease Micro Tuner thread.
- 6) Fully screw in Micro Tuner (check the thin threads engage correctly). Do not tight it.
- 7) Pop in Left Axle End and repeat bearing Preload Tuning

### **Left spoke replacement:**

- 1) Pull Left Axle End and remove it. Fully unscrew Micro Tuner by hand.
- 2) Pop out Axle and right bearing pushing left side of the Axle with plastic mallet.
- 3) Replace damaged spoke.
- 4A) If you have appropriate bearing tool use it for reassemble right bearing.
- 4B) Pop in Axle and right bearing pushing Right Axle End with plastic mallet.
- 5) Grease Micro Tuner thread.
- 6) Fully screw in Micro-Tuner (check the thin threads engage correctly). Do not tight it.
- 7) Pop in Left Axle End and repeat bearing Preload Tuning



## Extralite Limited Warranty

Extralite products are warranted against defects in materials and/or workmanship for a period of two years from original date of purchase to the original owner only.

Any Extralite product that is returned and found by Studio Riva to be defective in materials and/or workmanship will be repaired or replaced at the sole discretion of Studio Riva. This warranty is the sole and exclusive remedy. Studio Riva shall not be held liable for any indirect, special or consequential damages. The warranty is expressly limited to repair or replacement of the product that has been returned and found to be defective by Studio Riva and are the sole remedy of the warranty. No credits or refunds will be issued.

The warranty does not cover: normal wear, tear and fatigue; damage or failure due to accident or collision. Improper assembling, poor maintenance, alterations or modifications, installation of parts not compatible with Extralite products void this warranty. Warranty does not cover damage arising from crash, abuse and/or misuse or any other circumstances in which the product had been subjected to forces or loads beyond its design. Immediately replace the component after crash and violent shock, or after continuous heavy use. Improper use, modification and/or part changing, including surface finishing, could irreparably damage the component. All labor charges for warranty service are responsibility of the product owner.

**INSTALLATION WARNING:** Extralite components are extremely performing and lightweight, crafted with very high quality, they request adequate installation and maintenance care. We strongly recommended that a professional bike shop install and service your Extralite components. Improper assembly and/or adjustment may significantly compromise strength and durability of the component causing serious personal injury. Carefully check proper tightening torque of every bolt. Always respect installation recommendations. Extralite components are designed for a specific use X-Country or Road or Downhill, respect product specific destination. Note: the rider assumes all the risks regarding use and installation of Extralite components.