

# CyberFront SP

## Owner's manual

### DESTINATION

Road use.

### GUIDELINE

Never use high-pressure spray washing directly onto the hub. Clean hubs externally with warm water and soap. Periodically clean hub internals (every 6-12 months in normal and dry conditions, every 3 months in wet conditions and always before leaving the wheel un-used for more than 1 month) see Level1 instructions.

### FRONT HUB MAINTENANCE (LEVEL 1)

Clean hubs externally with warm water and soap. Never use high-pressure spray washing directly on bearings.

#### Micro-Tuner area.

Periodically clean Micro-Tuner area.

- 1) Pull Left Axle End and remove it. Fully unscrew Micro Tuner by hand or with a 17mm wrench.
- 2) Clean all parts (Do not use aggressive solvents).
- 3) Grease Micro Tuner thread.
- 4) Fully screw in Micro Tuner by hand (check the thin threads engage correctly).
- 5) Pop in left Axle End.
- 6) Repeat bearing setup preload tuning.

### BEARING SET-UP

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

#### Preload checking

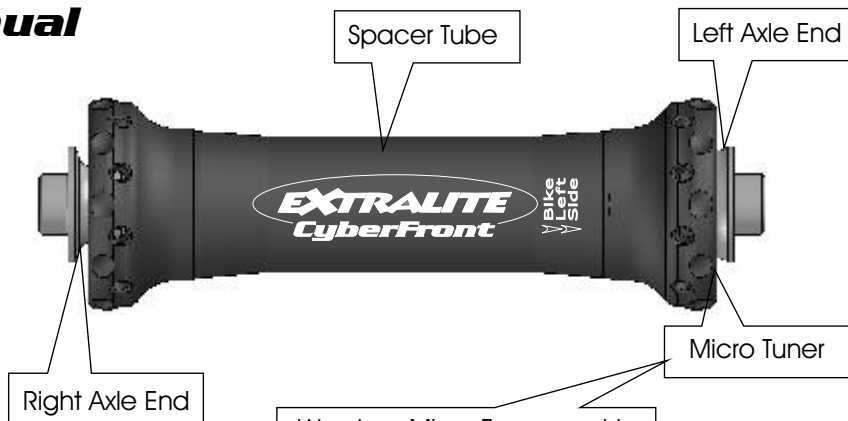
Before modifying bearing preload carefully check the complete wheel as follows:

- 1) Install the complete wheel into dropouts and normally lock skewer.
- 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.

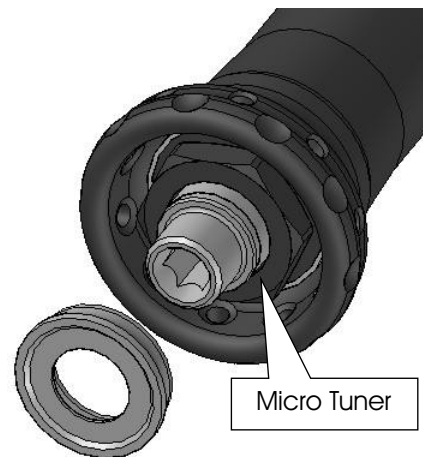
#### Preload tuning

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.



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



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**EXTRALITE**

# Wheelbuilder's manual

## DIMENSION FOR WHEEL BUILDING

Spoke hole Ø: 2.5mm

Flanges Ø at spoke head: 25mm

Center to flanges: 43mm

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.

## LACING / SPOKE REPLACEMENT.



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

- 1) Insert two 5mm hex wrench into both axle-ends and unscrew Right Axle End.
- 2) Insert / replace spokes.
- 3) Reassemble all parts. (Right Axle End: 7Nm)
- 4) Repeat check bearing preload tuning.



### **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.



### **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.
- 8) Repeat bearing setup 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.