

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

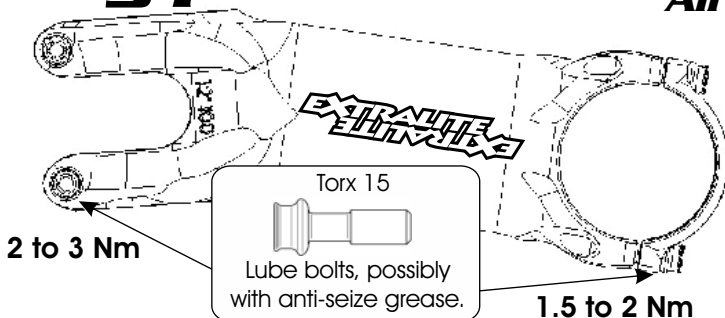
If necessary fine tune as follows.

- 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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HyperStem All versions



2 to 3 Nm

Torx 15

Lube bolts, possibly
with anti-seize grease.

1.5 to 2 Nm

WARNING

- Minimum steer tube insert 32mm.
 - Use only the original special M4 thin thread Ti bolts with rounded base to avoid damages to stem and clamp structure, Respect max torque.
 - **Do not use maximum torque if not necessary**, especially on light-weight carbon bars. The reactivity under clamping forces is mainly supported by the presence of transversal fibers and unfortunately these are often fully absent on the majority of industrial products, including famous ones. Very few hi-end lightweight products are made that properly.
- The absence of transversal fibers causes a weak clamp area and may result in imprinting marks on handlebar and clamp loosening.

FEATURES:

HyperStem steerer tube 1 1/8" (28.6mm)
HyperStem 1.25 steerer tube 1 1/4" (31.8mm)
Handlebar Diameter: 31.8mm.

DESTINATION:

Road, Cross Country, Enduro, not for Downhill.

INSTALLATION

- Lube bolts, possibly with anti-seize grease.
- Check the steer tube minimum insert (32mm) and adjust headset bearing preload. Tighten fork tube bolts at the moderate maximum torque of 3 Nm.
- To avoid possible noise / bar rotation keep clamping surface clean and degreased. Do not use carbon grip paste.
- The 31.8mm handlebars just pop into the HyperStem with a minimal pressure. That geometry offers some advantages on clamping lightweight carbon bars using much milder bolt torques. Additionally it helps a bit on the assembling process.
- **Bar-clamp tightening sequence:** completely screw the two upper bolts then unscrew one full turn. Equally tighten the lower bolts at the recommended torque. Tighten upper bolts at the same value.
- Re-check tightening torques after the first ride.