HyperRear2+ - HyperBoostR+

FEATURES

HyperHubs offers unique features like low friction external OR and lip seals, front engagement freewheel system, multishaped oversized axle, top quality sealed stainless ball bearings, Micro-Tuner bearing preload system, "hart coat" anodized cassette body and axle ends.

Bearings: 2x 6903 2RS (hub body) and 2X 6803 2RS (freewheel). Use it proper care and its absolute performance will last for years. This manual provides the informations needed for the set up and the basic cleaning-lubing-maintenance. **DESTINATION** Cross country, Enduro.

DIMENSION FOR WHEEL BUILDING

Spoke hole Ø: 2.6mm Right flange drilling Ø: 50mm Disc flange drilling Ø: 53.6mm Center to right flange: 22.5mm (HyperBoost 24mm) Center to disc flange: 36.5mm (HyperBoost 37mm)

LACING

See www.extralite.com to find spoke lengths. Respect 24,28,32h lacing pattern (see drawings). Do not laterally over-push Axle at the spoke stretching procedure.

Excessive lateral load may damage external bearings. MAXIMUM SPOKE TENSION: No limitation

BEARING PRELOAD SET-UP:

Optimal bearing preload is important for a long bearing life. Micro Tuner comes pre-adjusted from the factory. Do not modify its position if not necessary.

Checking

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

1) Install 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.

Secure rotor bolts with mild threadlock (Loctite 243) 6Nm





Lock Ring maximum torque: Shimano 10/M11s --> 25Nm

Shima 12s compatible --> 12 Nm

Use only Extralite S12 Lock-Ring

Never use original Shimano Lock-Ring

24H **Preload Tuning**

If necessary fine tune as follows.

1) Install wheel into dropouts and normally lock skewer / axle.

28H

2) If you feel play at the rim turn in Micro-Tuner (clockwise). Use a 21 mm wrench, very delicate toraue and manners.

3) Unscrew Micro-Tuner for ca 1/4 of turn to release excessive preload on bearing balls and achieve max rolling smoothness.

4) Repeat Preload Checking and eventually slightly correct it. 5) The optimal bearing preload cancels play at the rim without affecting rolling smoothness.

Warning Incorrect bearing preload can bring to serious damages:

- Too tight --> bearings damage and premature wear

- Too loose -->permanent freewheel damage

SEALING HyperRear hub features low friction Lip Seal and external OR seals. However, since it is impossible to completely seal a hub and still have it spin freely, with use water/moisture can get in.

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

WARNING Un-correct greasing and/or maintenance of freewheel mechanism can lock and destroy it! WARNING Even small debris inside freewheel engagement can damage mechanism permanently. WARNING Water and moisture stagnant inside hub can permanently damage bearings.



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 Extraite 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 continuos 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.

