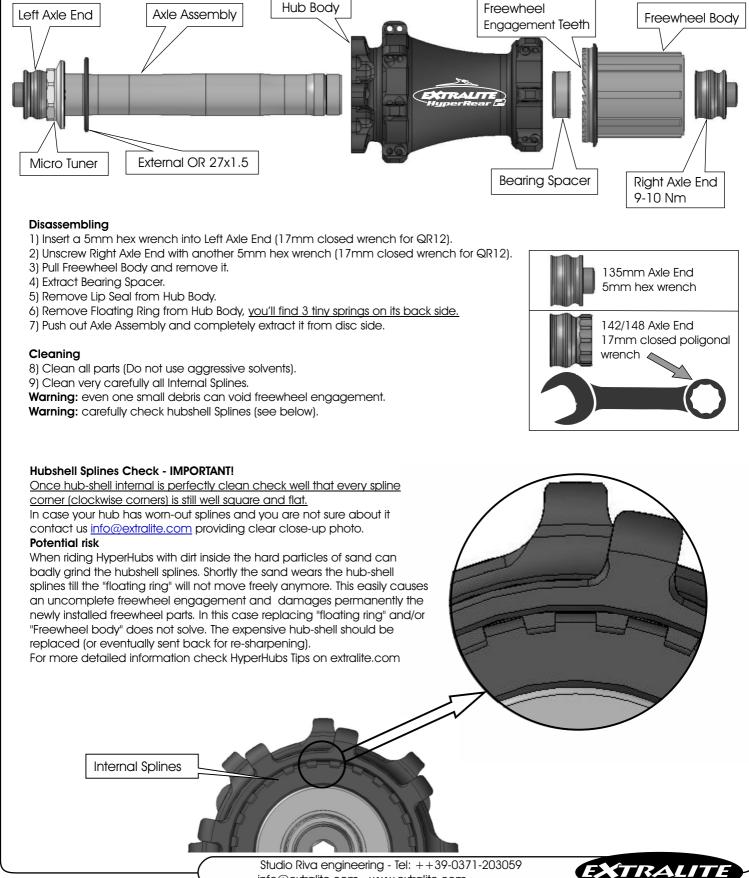
HyperRear2 HyperJR HyperCamber2

Axle Assembly replacement 10x135mm or QR12 (12x142mm)

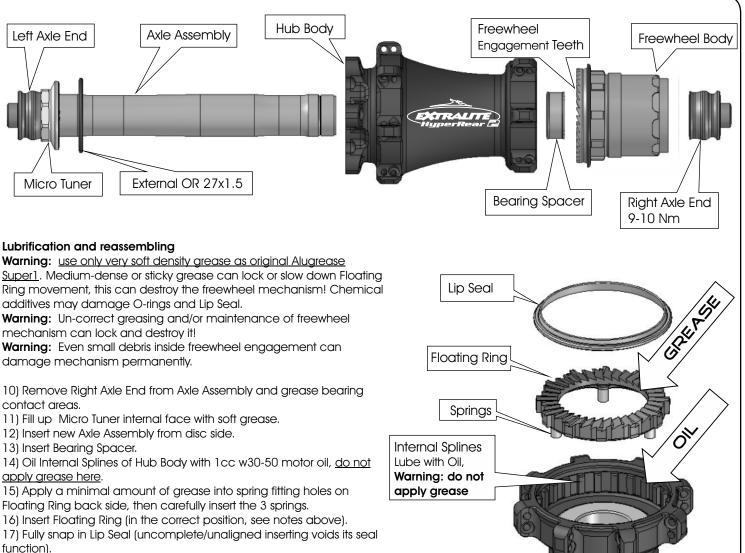
Compatible with HyperRear1-2-2+/ HyperCamber 1-2-2+/HyperJR-JR+

WARNING: Execute these operations only on a well clean and well illuminated table, you'll have to handle delicate internal parts and tiny springs, even small debris can compromise freewheel engagement mechanism. Carefully follow maintenance instructions step by step.

Schedule periodical cleaning and lubrication sessions since water and moisture stagnant inside hub will damage bearings in few weeks.



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- 18) Check again that the 3 springs are in their correct position.
- 19) Check that Floating Ring moves freely and quickly.
- 20) Apply 1cc of soft grease onto Freewheel Engagement Teeth.
- 21) Insert Freewheel without pinching Lip Seal.
- 22) Tighten Right Axle End at 9-10 Nm.
- 23) Check Preload Tuning (see chapter).
- 24) Install External OR (27x1.5 oiled) between Micro Tuner and bearing.



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.

Preload Tuning

If necessary fine tune as follows.

- 1) Install wheel into dropouts and normally lock skewer.
- 2) If you feel play at the rim turn in Micro-Tuner (clockwise). Use a
- 21mm wrench, very delicate torque 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

