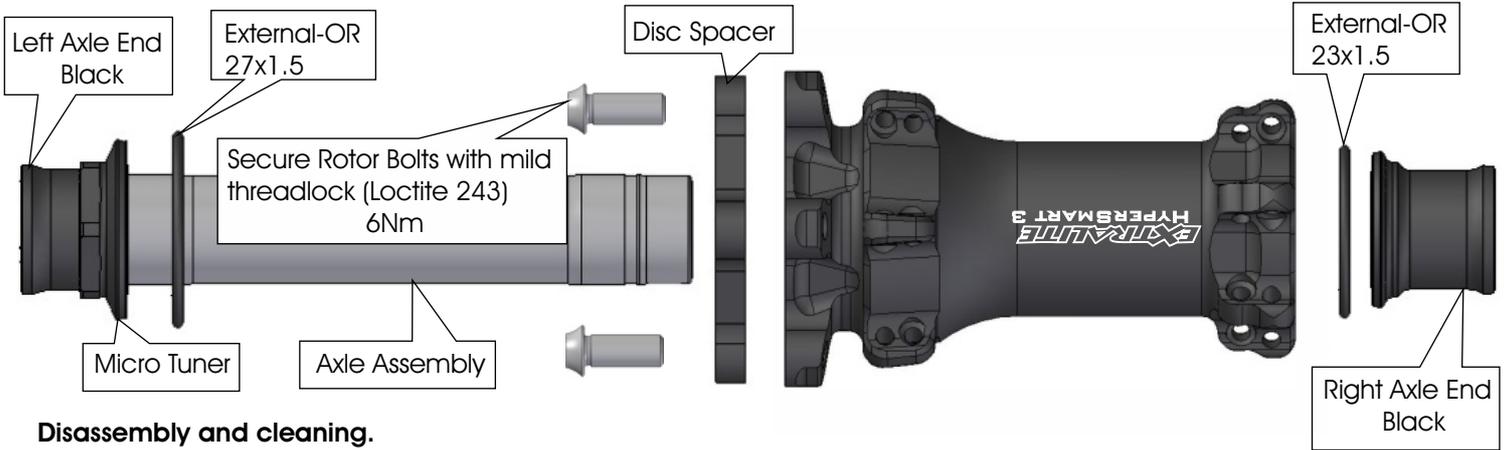


# BAK 3 - F Boost Adapter Kit - Front



## Disassembly and cleaning.

- 1) Remove disc rotor
- 2) Pop out old 100mm Right Axle End with External OR (23x1.5)
- 3) Extract old 100mm Axle Assembly and External OR (27x1.5) from right side.
- 4) Clean hub internals and all parts (Do not use aggressive solvents).

## Reassembly.

- 5) Install Disc Spacer between disc rotor and hub, use supplied Rotor Bolts
- 6) Apply grease on new Axle Assembly bearing contact areas.
- 7) Fill up Micro Tuner internal face with soft grease.
- 8) Insert new Axle Assembly from Left side, gently push it in with using the small plastic mallet.
- 9) Fill up Right Axle End internal face with soft grease.
- 10) Gently pop in Right Axle End with the plastic mallet while Left Axle End is rested against a wood or plastic surface.
- 11) Check Preload Tuning (see Bearing Set-Up chapter).
- 12) Install External OR (27x1.5 oiled) between Micro Tuner and bearing.
- 13) Install External OR (23x1.5 oiled) between Right Axle End and bearing.

**Warning:** install External Orings only when the hub is completely assembled and tuned.

## BEARING PRELOAD SET-UP:

Optimal bearing preload is important for a long bearing life.

### Checking

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

- 1) Install wheel into dropouts and normally lock thru axle.
- 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 damage bearings and freewheel parts additionally decreases hub performance.

**SEALING** HyperFront hub features low friction 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).

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

**WARNING** Water and moisture stagnant inside hub will damage bearings in few weeks.