ROAD Hubs Manual

HANDBUILDING

- The front hubshell is designed for radial lacing pattern.
- The rear hubshell is designed for 2 cross and 3 cross lacing patterns.
  1 cross and radial lacing patterns are forbidden on the drive side.
- The hubshells are designed to accept a maximum spoke tension of 1200N.
  Howerer, we recommend a maximum spoke tension of 90N on the front hub and 1100N on the rear hub.
- To calculate your spoke lengths, refer to geometry drawings (page 3).

RECOMMENDED TORQUES

- Cassette : 40 Nm
- Play adjustment bolt : 1 Nm

CLEANING

- High pressure cleaning on the hubs is forbidden.
- Detergents on the hubs are forbidden.

FRONT HUB SERVICE (see front hub exploded view on page 4)

- To open your front hub, just pull an endcap off.
- Then, you can pull the axle and the last endcap off together through the bearings.
- It leaves you with the hubshell and its bearings.
- If necessary, you can change the bearings. If so, we strongly recommend angular bearings like the Enduro bearings we use.
- After cleaning, you can just rebuild your hub in the reverse way you disassembled it.
- If you put new bearings, we strongly recommend to adjust the bearings play as explained in the « play adjustment » section below.

N.B. : if you have any trouble, refer to our service videos.

REAR HUB SERVICE (see rear hub exploded view on page 5)

- To open your rear hub, just pull an endcap off.
- Then, you can pull the axle and the last endcap off together through the bearings.
- Next, you can pull the freehub and its bearings off the hubshell.
- You can see the bearings spacer, the ratchet and his wave spring that you can also pull off.
- It leaves you with the hubshell and its bearings.
- If necessary, you can change hubshell and freehub bearings. If so, we strongly recommend angular bearings as the Enduro bearings we use.
- After cleaning, you can just rebuild your hub in the reverse way you disassembled it. Don't forget to lubricate the thread ring/ratchet and the ratchet/freehub interfaces with the oil. Use of grease on these parts is forbidden.
- If you put new bearings, we strongly recommend to adjust the bearings play as explained in the « play adjustment » section below.

N.B. : if you have any trouble, refer to our service videos.

PLAY ADJUSTMENT

- To adjust the play of your hubs, you need to put your wheel on your bike and tighten it.
- Then, you have to loosen the torx bolt with the flag screwdriver provided with your hubs.
- Next, you need to tighten or loosen the play adjustment piece on the threaded endcap until it comes just against the bearing next to it. If you tighten too much, you will stress the bearings and decrease their lifetime. If you loosen too much, you will have play in your wheels.
- When you have adjusted the play, you can tighten the play adjustment torx bolt back to a 1 Nm torque.

FRONT ROAD Hub Geometry (in mm)

Spoke holes diameter = 2.5

REAR ROAD Hub Geometry (in mm)

Spoke holes diameter = 2.5

FRONT ROAD HUB

1. Left endcap
2. 6802 AC Bearings
3. Axle
4. Hubshell
5. Play adjustment
6. Screw
7. Right endcap

REAR ROAD HUB

1. Left endcap
2. Screw
3. Play adjustment
4. 6902 AC Bearings
5. Axle
6. Hubshell
7. Wave spring
8. Threaded ring
9. 36T Ratchet
10. Spacer
11. Seal
12. Freehub
13. Right endcap