

2. MAINTAINING THE REAR HUBS

2.1. REAR AXLE

2.1.1. REAR AXLE ON THE COSMOS, KSYRIUM EQUIPE, CROSSLAND, CROSSMAX ENDURO AND CROSSMAX ENDURO DISC WHEELS

Tools needed

- 1 x 5 mm Allen wrench
- 1 x 17 mm flat wrench
- 1 x 13 mm cone wrench
- 1 x 17 mm socket for torque wrench
- 1 x 5 mm Allen wrench socket for torque wrench
- Loctite® 243 type of thread lock

REMOVING THE AXLE

1. Remove the fork-support nut free wheel side using the 17 mm and 5 mm Allen wrenches.

Caution : From this moment, the free wheel body is no longer held in place and can easily come apart.

2. Remove the axle by pushing hard on it.

3. Loosen the fork support nut and the expansible bearing support using the 17 mm flat wrench and 13 mm cone wrench.



MOUNTING THE AXLE

You must replace the expansible bearing supports every time you remove the axle, whether the bearings are replaced or not.

1. Insert the axle, the thinner side first, from the side opposite the free wheel of the hub body.

2. Apply Loctite® 243 type of thread lock to the thread on the fork-support nut on the free wheel side.

3. Tighten the fork-support nut on the free wheel side of the axle, the grooved side of the nut towards the outside, using a torque wrench equipped with a 5 mm Allen wrench socket and 17 mm flat wrench (**torque : 15 Nm**).

Make sure the free wheel body is properly placed and functions well.

4. Tighten an expansible bearing support that is not on the axle until it is in contact with the bearing, **and then loosen it one half turn**.

5. Insert the 4.9 mm spacer for the MTB disc wheels (Crossland and Crossmax Enduro Disc), the 14.9 mm for the MTB non-disc wheels (Crossmax Enduro) or the 10.9 mm for the road wheels (Cosmos and Ksyrium Equipe)

6. Glue the smooth side of the fork-support nut, as well as its thread, using a Loctite® 243 type of thread lock, to guarantee that the hub is properly adjusted (no free play) and screw it on the axle.

7. Keep the protective bearing hood in contact with it and tighten the fork-support nut against the expansible bearing support using the 13 mm cone wrench and the torque wrench with the 17 mm socket, **to a 20 Nm torque**. The bearings are adjusted in this way.



PS : Since the road and MTB axles are not the same length, they are not interchangeable.