

4.1. REPLACING THE SPOKES ON THE COSMOS, KSYRIUM EQUIPE, CROSSLAND, CROSSMAX ENDURO AND CROSSMAX ENDURO DISC WHEELS

Tools needed

- 1 spoke wrench (Cosmos, Ksyrium Equipe and Crossland wheels)
- 1 alu spoke wrench M40494 or M40652 (Crossmax Enduro and Crossmax Enduro Disc wheels)
- 1 tensiometer + tension-reading conversion chart adapted to the tensiometer used

- For the Cosmos, Ksyrium Equipe and Crossland wheels, if you also have to replace the spoke nipple, you must remove the rim tape beforehand. The UST rim tape on the Crossland wheel cannot be re-used once it has been removed.
- For the Crossmax Enduro or Crossmax Enduro Disc wheels, if you had to repair a wheel with at least 3 broken spokes, we recommend that you reduce the tension of the entire wheel by loosening every nipple to the limit of the brake ring before replacing the broken spokes.

1. Loosen the spoke nipple using the spoke wrench to reduce the tension ;
2. On the front Cosmos, Ksyrium Equipe and Crossmax Enduro wheels, remove the hub cap.
3. Take the spoke out of its slot.
4. Put the new spoke in its slot and make sure the cross pattern is correct.
5. On the front Cosmos, Ksyrium Equipe and Crossmax Enduro wheels, put the hub cap back in place.
6. Tighten the spoke nipple to set the tension (refer to product pages to know which tension is adapted to each wheel) ;
7. Check the lateral and radial truing of the wheel.

The spokes have an anti-rotation system, which prevents them from turning on the hub. When setting the tension of the spokes, they will automatically lock in the hub.

Since the nipples are a type of ABS (Crossland, Cosmos et Ksyrium Equipe) or integrate a brake ring (Crossmax Enduro et Enduro Disc), it is not necessary to use thread lock.



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