

## FTS L FREE WHEEL BODY KIT FOR THE CROSSMAX® UST®, CROSSMAX® UST® DISC, KSYRIUM® SSC® AND COSMIC® CARBONE SSC® WHEELS.

### TOOLS NEEDED

- 2 x 5 mm Allen wrenches.
- 1 x 10 mm Allen wrench.
- 1 hub wrench M40123.
- Mavic mineral oil M40122.

**This procedure is valid only for the FTS L version (2001 range) of the Crossmax® UST®, Ksyrium® SSC® and Cosmic® Carbone SSC® wheels.**

Replacing the axle :

- 1** Disassemble the axle kit (see page 17 for the Crossmax® UST® Disc wheel and the 2000 Technical Manual, pages 11 & 12 for the Ksyrium® SSC® and Cosmic® Carbone SSC® wheels).
- 2** Remove the axle end screw.
- 3** Remove the FTS L free wheel body :
  - 3.1** Pull the FTS L free wheel body towards the exterior until it doesn't move any further (about 4 mm).
  - 3.1** Turn the FTS L free wheel body and while holding the pawls and springs pull it carefully off of the hub axle.

CAUTION : THE FREE WHEEL PAWL ASSEMBLY IS NO LONGER SUPPORTED THE PAWLS AND SPRINGS MAY POP OUT. THIS CAN BE PREVENTED BY HOLDING THE PAWLS WITH YOUR HAND.

- 4** Remove the spring /pawl assembly and clean it. Replace the FTS L free wheel body kit and the lip seal (install the new one against the nose of the hub, the lip toward the outside).
- 5** Lubricate the inside of the FTS L free wheel body kit in the cog area (10 - 20 drops of Mavic mineral oil M40122).
- 6** Install the spring/pawl assembly (spring fits over the pins of the centering stud on the pawl assembly).  
Put the springs and then the pawl assembly in place, the round side touching the axle. Then pivot the pawl assembly.
- 7** Install the FTS L free wheel body kit :
  - 7.1** Make sure the spacer washer M40067 is placed inside the FTS L free wheel body kit.

CAUTION : THE ABSENCE OF THIS SPACER WASHER PREVENTS THE FREE WHEEL FROM WORKING PROPERLY.

- 7.2** Install the FTS L free wheel body kit holding the pawl assembly in your hand in the low position (springs compressed).
- 7.3** Install the axle kit (see page 17 for the Crossmax® UST® Disc wheel and the 2000 Technical Manual, pages 11 & 12 for the Ksyrium® SSC® and Cosmic® Carbone SSC® wheels).
- 8** Adjust the bearing free play (install the wheel to the frame and put the bike on the floor). The bearing free play can be adjusted using the hub wrench M40123 to turn the bearing adjuster nut against the bearing. Repeat this operation if the adjustment doesn't seem to be optimum.

For lubrication : frequency 1 - 2 times per season or when the FTS L free wheel body becomes noisy.

- 1** Follow points 1 - 3 included in the preceding procedure.
- 2** Remove the spring/pawl assembly. Clean it as well as the inside of the FTS L free wheel body, if necessary.
- 3** Follow points 5 - 8 that are included in the preceding procedure.

