

2.2.2. FTS-L FREE WHEEL BODY ON THE CROSSMAX™ SL & SL DISC, CROSSMAX™ XL & XL DISC, DEEMAX® UST AND COSMIC CARBONE SL WHEELS

Tools needed:

- 1 x 5 mm Allen wrench
- 1 x 10 mm Allen wrench
- Mavic® mineral oil M40122

1 Disassemble the complete axle kit by following procedure 2.1.2. (2.1.3. for the Deemax® UST).

2 Remove the FTS-L free wheel body :

2.1 Pull the FTS-L free wheel body towards the exterior until it doesn't move any farther (about 4 mm).

2.2 Turn the FTS-L free wheel body and pull it carefully off the hub axle while holding the pawls and springs.

Caution : When you disassemble the FTS-L free wheel body, the pawls are no longer supported. The pawls and springs may pop out. This can be prevented by holding the pawls with your hand.

3 Remove the spring/pawl assembly and clean it.

4 Replace the FTS-L free wheel body kit and lip seal (install the new one against the nose of the hub, the lip toward the outside). Lubricate the lip seal with Mavic® mineral oil M40122.

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 Mount the spring/pawl assembly (spring fits over the pins of the centering stud on the pawl assembly). Put the springs and then pawl assembly in place, the round side touching the axle. Then pivot the pawl assembly.

7 Mount the FTS-L free wheel body kit :

7.1 Make sure the spacer washer M40067 (available in 10 piece kit) is well placed inside the FTS-L free wheel body :

The absence of this spacer washer prevents the free wheel from working properly.

7.2 Mount the FTS-L free wheel body kit holding the pawl assembly in your hand in the low position (springs compressed) ;

8 Mount the axle end screw and axle kit as indicated in procedures 2.1.2. (2.1.3. for the Deemax® UST). Mount the wheel on the frame, tighten the quick release skewer, and adjust the bearing free play.

It is useful to lubricate the free wheel body 1 - 2 times a year or whenever it becomes noisy. For this, follow the above procedure.

