

FTS-L FREE WHEEL BODY ON THE QRM+ WHEELS :

- Cosmic Carbone SL
- Ksyrium SL, Ksyrium Elite
- Crossmax SL et SL Disc
- Crossmax XL et XL Disc

Tools needed:

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

1 Unclip the fork support on the non drive side and insert a 10 mm allen wrench on this side of the axle. Insert a 5 mm allen wrench on the drive side of the axle. Unscrew to extract the end axle screw (drive side) and the axle (non drive side)

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 **at the very bottom** of 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, repeating step 1. above the opposite way. 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.

