### MAINTENANCE

#### DISASSEMBLY AND REASSEMBLY OF THE REAR HUB

<table>
<thead>
<tr>
<th>GROUP</th>
<th>TYPE</th>
<th>OPERATION</th>
<th>REVISION</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROAD WHEELS</td>
<td>Cone / Cup Mechanism</td>
<td>005</td>
<td>1/2011</td>
<td>Disassembly and Reassembly of the Rear Hub</td>
</tr>
</tbody>
</table>

#### PRODUCTS ON WHICH THE PROCEDURE SHOULD BE APPLIED

- Red Wind XLR™
- Racing Chrono™
- Racing Speed™
- Racing Light™
- Racing 0™
- Racing 1™
- Racing 3

1. Remove the cover from the side of the adjustment ring nut with a small flat-bladed screwdriver.
2. To remove the freewheel body see OPERATION 004 (from 1 to 6)
3. Insert the two hex wrenches inside the hex-drive of the axle and end cap then firmly unscrew. The right side (on the opposite side of the adjustment ring nut) remains fixed, the left side end cap rotates counter-clockwise to loosen the end cap.
4. Loosen the axle end cap (adjustment ring nut side).
5. While removing the end cap, make sure you do not lose the spacer.
6. Use a screwdriver with a 2.5mm hex insert to loosen the screw of the adjustment ring nut.
7. The indication that the adjustment ring nut will be loosened will be when the slot in the nut has a visible gap. Do not remove the screw from the adjustment ring nut.
8. Loosen the adjustment ring nut counter-clockwise and at the same hold the axle on the opposite side.
9. Push the axle inside the body of the hub until it reaches the other side.
10. Remove the axle from the body of the hub.
11. Remove the cone and the adjustment cone from the body of the hub.
12. To replace the cups see OPERATION 002 (from 17 to 65)
To replace the spoke see OPERATION 003 (from 1 to 19)

Insert the cone on the rear axle following the direction it should be inserted in. The larger diameter should face the axle.

Check the cone is mates correctly into the bearing retaining ring.

Insert the axle inside the body of the hub on the ratchet ring side.

Insert the second cone onto the axle following the direction it should be inserted in. The larger diameter should face the outside of the hub’s body.

Insert the adjustment cone onto the axle mating into the cone from 17. The direction it should be inserted in. The larger diameter should face the outside of the hub’s body.

Manipulate it into position by using a small screwdriver. Push the adjustment cone in by pressing on various points of the circumference.

Install and tighten the adjustment ring nut clockwise and hold the axle while holding the axle stationary with your right hand.

Inspect the axle end cap. If it is damaged, replace it. Insure that the small spacer is in place and install the end cap into the axle end.

Insert the two 5mm hex wrenches inside the hexagons of the hub’s body and tighten firmly. The right wrench (on the opposite side of the adjustment ring nut) remains fixed, the left wrench rotates clockwise.

Insert the cover with the larger internal diameter on the body of the hub on the adjustment ring nut side. If it is damaged, replace it.

To adjust the hub see OPERATION 001
To mount the freewheel body see OPERATION 004 (from 07 to 16)