


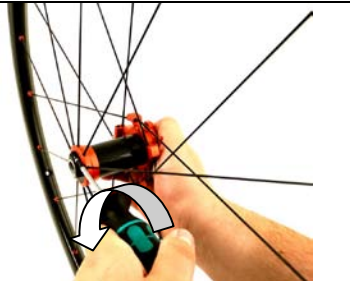

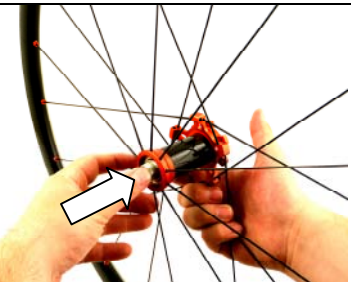
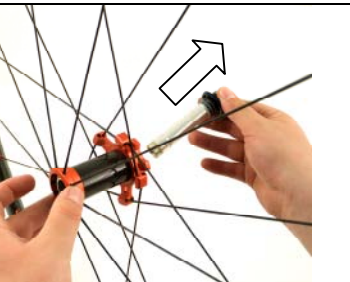
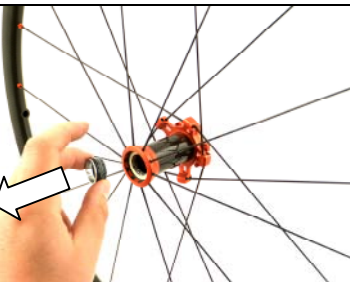

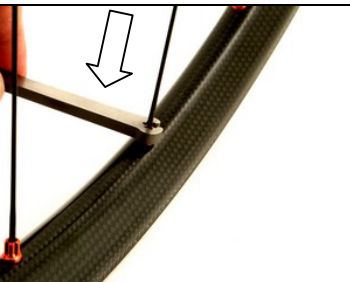
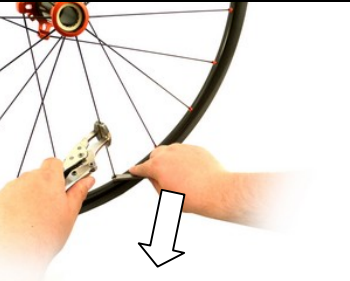

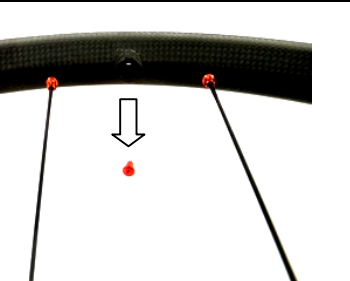

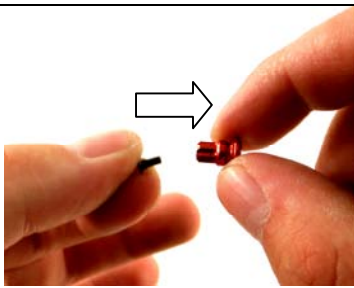

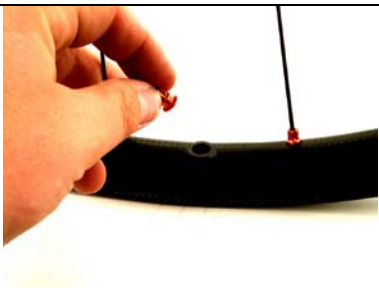
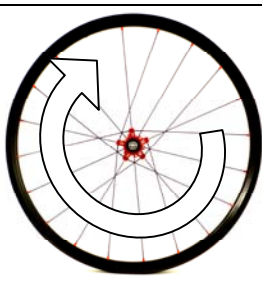
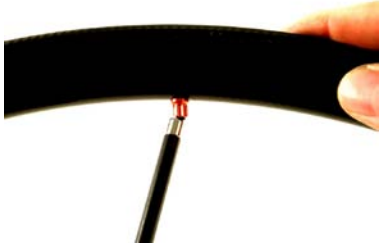
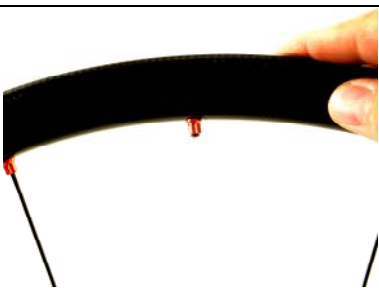


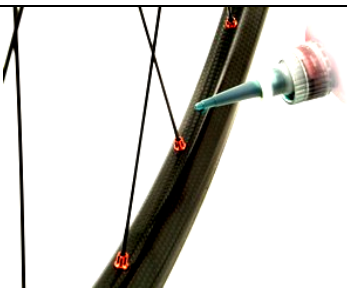
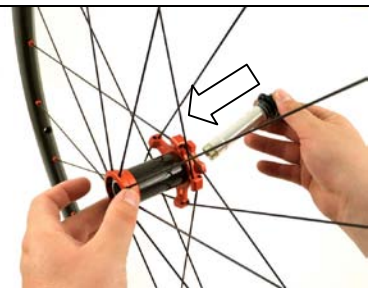
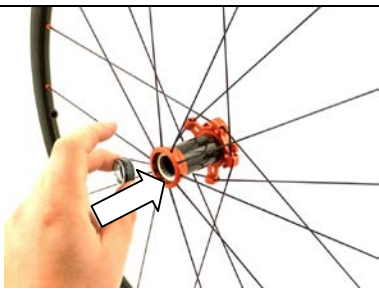


MAINTENANCE

GROUP	TYPE	OPERATION	REVISION	DESCRIPTION
MTB WHEELS	CUP/CONE MECHANISM	002	1/2011	SPOKE REPLACEMENT RED CARBON FRONT / REAR WHEEL DRIVE SIDE
PRODUCTS ON WHICH THE PROCEDURE IS APPLIED				
				
Red Carbon XRP™				

		
1 Insert two hex wrenches inside the hexagons of the hub axle and loosen with force. Hold the wrench on the right (side opposite the adjusting sleeve) still; turn the one on the left anti-clockwise to loosen the fixing bolt.	2 Hand loosen the fixing bolt and be careful not to lose the spacer.	3 Loosen the allen screw of the adjusting sleeve using a screwdriver with 2.5 mm hexagonal insert.
		
4 Hand loosen the adjusting sleeve.	5 Remove the axle by pushing it towards the inside of the hub body.	6 Extract the axle, being careful not to lose the cone.
		
7 Remove the cone and the adjusting cone.	8 Locate the spoke to be replaced.	9 Use the special wrench to loosen the nipple.
		
10 When round head spokes are being loosened, they tend to spin around. Use the special holder tool to hold the spoke still during the operation.	11 Extract the spoke from the flange of the hub.	12 Remove the nipple from the valve hole of the rim.

MAINTENANCE

		
<p>13</p> <p>Insert the new spoke inside the flange of the hub.</p>	<p>14</p> <p>Tighten the magnet-attracting insert on the nipple.</p>	<p>15</p> <p>Completely tighten the insert on the nipple to prevent it from sliding out while being drawn inside the rim.</p>
		
<p>16</p> <p>Insert the nipple with the insert inside the rim through the valve hole.</p>	<p>17</p> <p>Using the special magnet, pull the nipple inside the rim up to the hole of the spoke to be replaced.</p>	<p>18</p> <p>Bring the nipple out from the hole of the rim.</p>
		
<p>19</p> <p>Loosen the magnet-attracting insert from the nipple.</p>	<p>20</p> <p>Manually tighten the nipple on the spoke.</p>	<p>21</p> <p>Tighten the nipple with the wrench, holding the spoke still with the holder, until an adequate tension is reached.</p>
		
<p>22</p> <p>After tensioning, apply threadlocker between the nipple and the spoke.</p>	<p>23</p> <p>Insert the axle inside the hub body, make sure that the cone is fitted on the axle.</p>	<p>24</p> <p>Insert the cone and the adjusting cone.</p>

MAINTENANCE



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Tighten the adjusting sleeve on the hub axle and tighten the allen screw to torque. Use a torque wrench with 2.5 mm insert and tightening torque of 2.5 Nm (22 in.lbs).



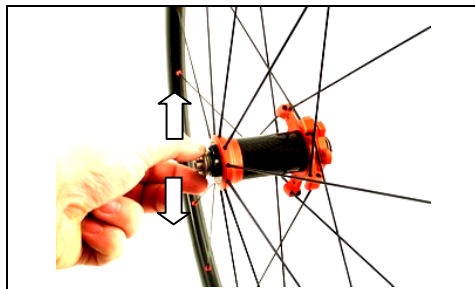
26

Tighten the fixing bolt on the hub axle. Be sure to insert the spacer.



27

Insert two hex wrenches inside the hexagons of the hub body and tighten with force. Hold the wrench on the right (side opposite the adjusting sleeve) still; turn the one on the left clockwise.



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Check the movement of the axle in rotation; adjust if necessary using the adjusting sleeve.