



MAINTENANCE CARDS

WHEELS

**SPOKE AND INNER NIPPLE
REPLACEMENT PROCEDURE**

WARNING!

Always wear protective gloves and glasses while working on the bicycle.



The images shown here are purely illustrative and may not therefore be fully representative of the product characteristics, as this technical manual is specifically intended to explain maintenance procedures.

MAINTENANCE CARDS

DESCRIPTION		REVISION					
SPOKE AND INNER NIPPLE REPLACEMENT PROCEDURE		01/ 2023					
PRODUCTS ON WHICH THE PROCEDURE SHOULD BE APPLIED							
BORA ULTRA WTO DB	HYPERON ULTRA DB						




<p>UT-WHBWU1</p>			<p>1</p>
<p>Tools required:</p> <ul style="list-style-type: none"> • Spoke anti-rotation tool • Torx insert for nipple • Nipple insert for attracting magnet 	<ul style="list-style-type: none"> • Caliper • 8mm fixed wrench 		<p>Insert the torx insert into the nipple.</p>



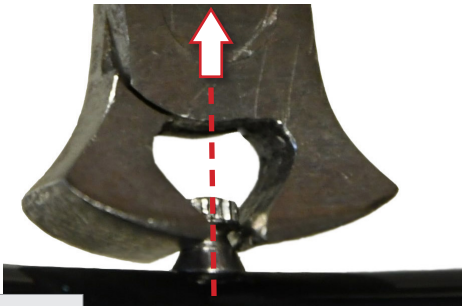
<p>2</p>	<p>3</p>	<p>4</p>
<p>Position the spoke anti-rotation tool in the corresponding spoke.</p>	<p>Lower the spoke anti-rotation tool and insert the guide cylinder into the nipple torx insert.</p>	<p>Maintaining pressure on the spoke anti-rotation tool and keeping it in place, turn the nipple torx insert with an 8 mm fixed wrench.</p>

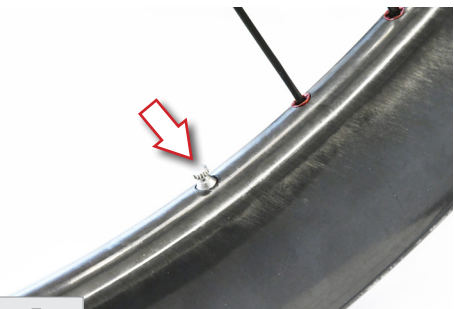
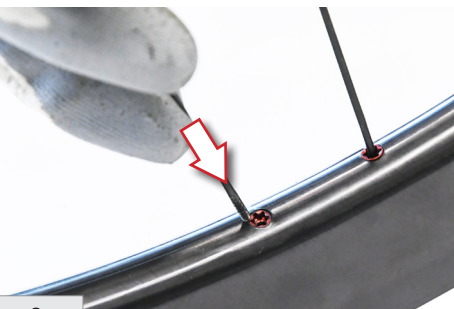
<p>5</p>		
<p>Turn the nipple until the spoke can be removed from the nipple and taken out of the hub. Follow the procedure in reverse order to install the new spoke.</p>	<p>The nipples are attached to the rim. If necessary, they can be replaced by following the "Spoke and inner nipple replacement procedure" described in the following chapter.</p>	

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<p>1</p> <p>Push the nipple inwards until it disengages from the rim. Caution! Push the nipple along its axis to limit the risk of damaging the nipple housing.</p>	<p>2</p> <p>Pull the nipple out of the valve hole.</p>	<p>3</p> <p>Screw the nipple insert for attracting magnet into the new nipple.</p>

		
<p>4</p> <p>Insert the nipple through the valve hole.</p>	<p>5</p> <p>Drag the nipple with a magnet to the corresponding spoke hole.</p>	<p>6</p> <p>Using pliers, take the nipple insert for attracting magnet and pull along its axis until the nipple engages with the rim. Caution! Pull the nipple along its axis to limit the risk of damaging the nipple housing.</p>

		
<p>7</p> <p>Remove the nipple insert for attracting magnet.</p>	<p>8</p> <p>Follow the procedure in the previous chapter "Spoke and inner nipple replacement procedure" to install the spoke.</p>	