

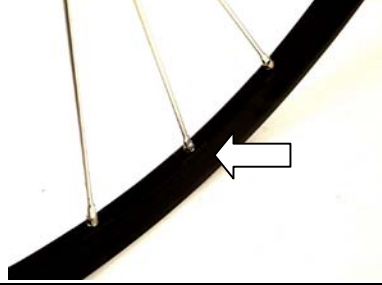
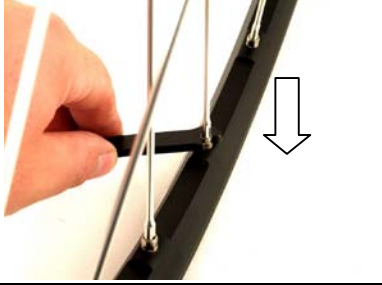
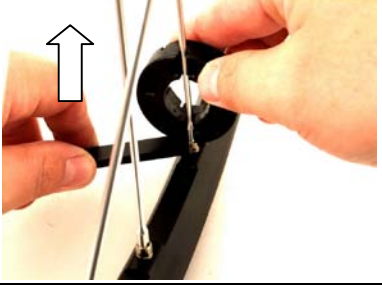
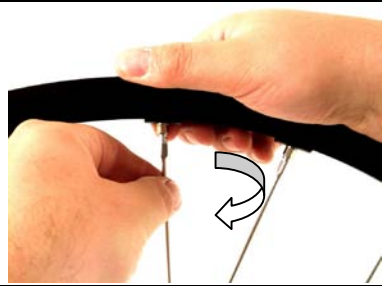
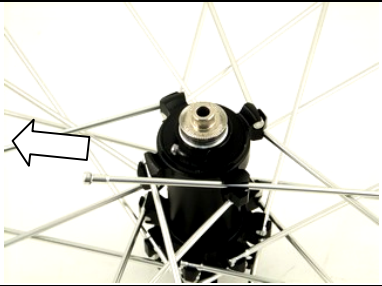
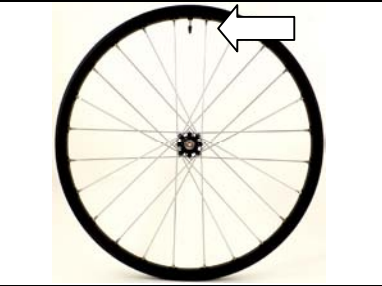
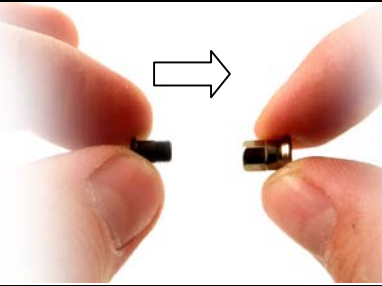
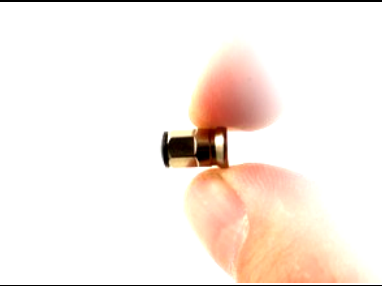



MAINTENANCE

GROUP	TYPE	OPERATION	REVISION	DESCRIPTION
MTB WHEELS	INDUSTRIAL BEARINGS MECHANISM	004	0/2011	SPOKE REPLACEMENT RED METAL 1XL / RED ZONE XLR FRONT AND REAR WHEEL
PRODUCTS ON WHICH THE PROCEDURE IS APPLIED				
				
Red Metal 1 XL™	Red Zone™ XLR			

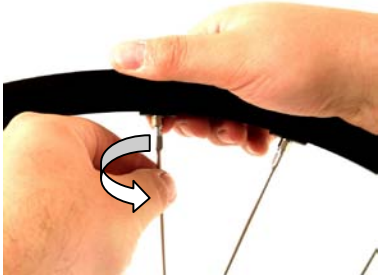
		
1 Locate the spoke to be replaced.	2 Fit the wrench on the nipple	3 When round head spokes are being loosened, they tend to spin around. Use the special spoke retaining ring to hold the spoke still during the operation.

		
4 When the nipple is loosened, proceed manually to extract the spoke from the flange of the hub.	5 Extract the spoke from the flange of the hub.	6 If it is necessary to replace the nipple as well, to extract it from the rim you first have to disassemble the valve. ▶ For valve disassembly see OPERATION 003 (steps 5 to 8).


		
7 Tighten the magnet-attracting insert on the nipple.	8 Completely tighten the insert on the nipple to prevent it from sliding out while being drawn inside the rim.	9 Insert the nipple with the insert inside the rim through the valve hole.

		
10 Insert the nipple with the insert inside the rim through the valve hole. Using the special magnet, pull the nipple inside the rim up to the hole of the spoke to be replaced.	11 Bring the nipple out from the hole of the rim. Loosen the magnet-attracting insert from the nipple.	12 Insert the new spoke inside the flange of the hub.


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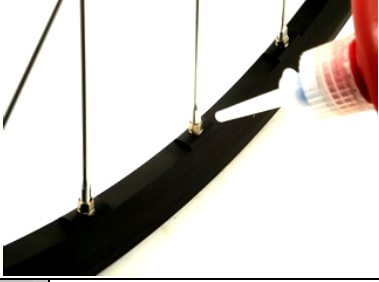
13
Manually tighten on the nipple.



14
Fit the wrench on the nipple.



15
Tighten the nipple with the wrench, holding the spoke still with the spoke retaining ring, until an adequate tension is reached.



16
After tensioning, apply threadlocker between the nipple and the spoke. If the valve has been disassembled, re-assemble it. ► For valve assembly see OPERATION 003 (steps 19 to 21)