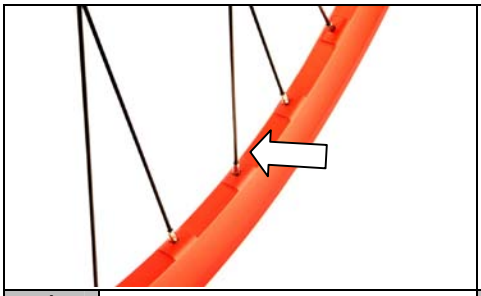
MAINTENANCE

GROUP	TYPE	OPERATION	REVISION	DESCRIPTION
MTB WHEELS	INDUSTRIAL BEARINGS MECHANISM	003	0/2011	SPOKE REPLACEMENT RED METAL 3 / RED FIRE / RED ZONE / RED HEAT FRONT AND REAR WHEEL

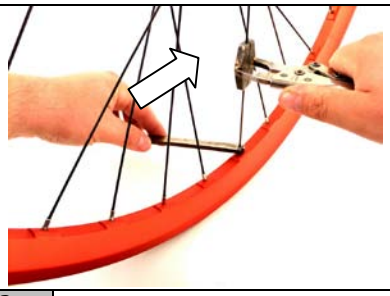
PRODUCTS ON WHICH THE PROCEDURE IS APPLIED

Red Fire™	**Red Metal 3™**	**Red Zone™**	**Red Heat™**	**Red Power XL™/29 XL™**	**Red Power SL™ / 29 SL™**				

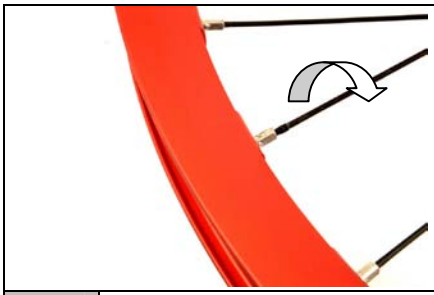


1
Locate the spoke to be replaced.

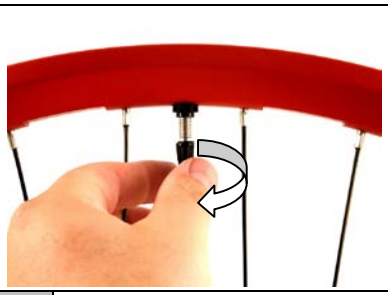
2
Use the special wrench to loosen the nipple.



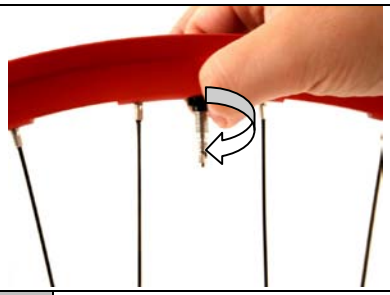
3
When round head spokes are being loosened, they tend to spin around. Use the special holder tool to hold the spoke still during the operation.



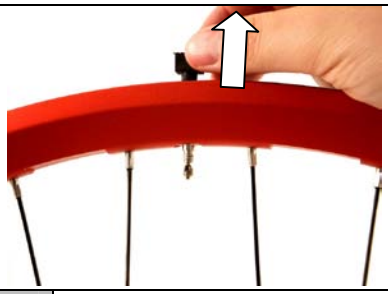
4
When the nipple is loosened, proceed manually to extract the spoke from the flange of the hub.



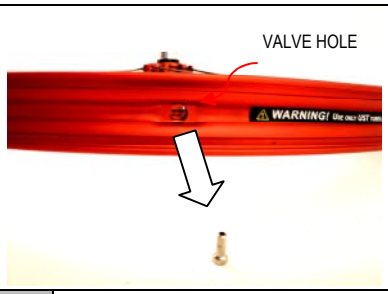
5
If it is necessary to replace the nipple as well, to extract it from the rim you first have to disassemble the valve. Loosen the closure cap.



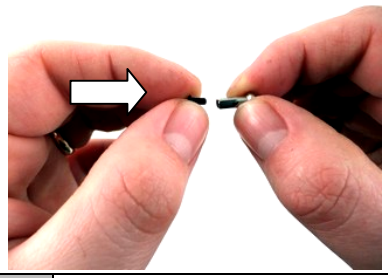
6
Loosen the sealing ring.



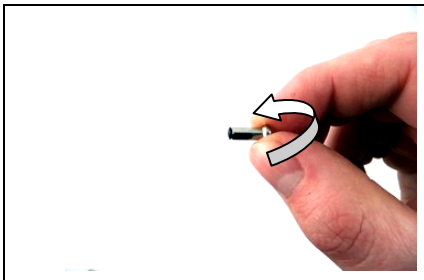
7
Extract the valve.



8
Remove the nipple from the valve hole of the rim.

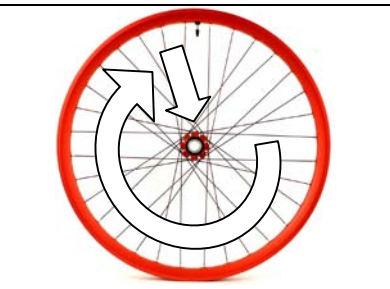


9
Tighten the magnet-attracting insert on the nipple.



10
Completely tighten the insert on the nipple to prevent it from sliding out while being drawn inside the rim.

11
Insert the nipple with the insert inside the rim through the valve hole.



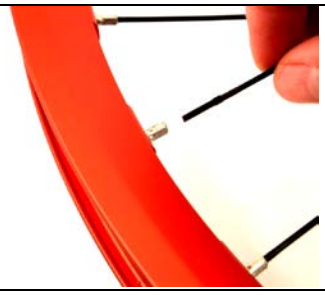
12
Using the special magnet, pull the nipple inside the rim up to the hole of the spoke to be replaced.

MAINTENANCE

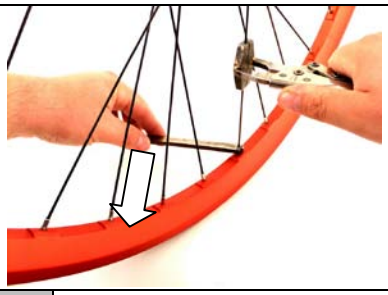
13
Bring the nipple out from the hole of the rim.

14
Loosen the magnet-attracting insert from the nipple.

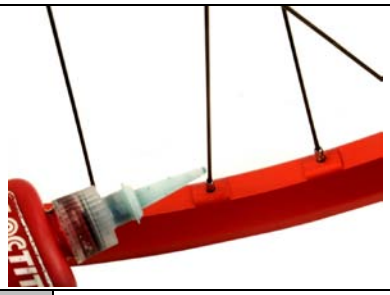
15
Insert the new spoke inside the flange of the hub.



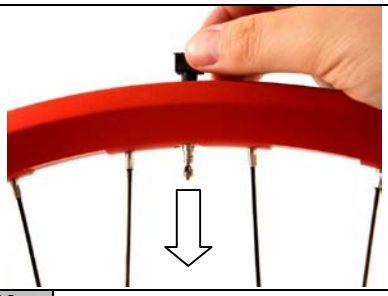
16
Manually tighten the spoke on the nipple.



17
Tighten the nipple with the wrench, holding the spoke still with the holder, until an adequate tension is reached.



18
After tensioning, apply threadlocker between the nipple and the spoke.



19
Insert the valve on the rim.

20
Tighten the sealing ring.

21
Tighten the closure cap.