



**5** Extract the side of the wheel which has the disc brackets, see photos below:



Revert the whole wheel with the tyre delicately.



Pull up delicately by hand the side of the wheel with disc brackets.

**CAUTION:** No extra force is needed if the tyre is correctly separated.

**BE CAREFUL** to the O-ring



**6** Remove the tyre from the 2 other parts of the wheel, as detailed below.



Spray tyre mounting lubricant between the tyre and the wheel.



**BE CAREFUL** this operation is delicate !

Pull up the tyre and push the wheel at the same time with the thumbs.

**7** When the tyre is removed, clean all the parts. The wheel is ready for mounting a new tyre, as detailed after.

**CAUTION :**

Use brand new O-rings clean and lubricated with grease for bearings when you change the tyre.



### 3) New tyre mounting procedure

- NOTE :** - Mounting correctly a brand new tyre is not possible without the special tool:  
 Ref. OPA01 (5" wheel) et Ref. OPA02 (6" wheel).  
 - A proper mounting could not be guaranteed without using this special tool.

**All the parts must be clean and dry**



1

Special tool for tyre mounting



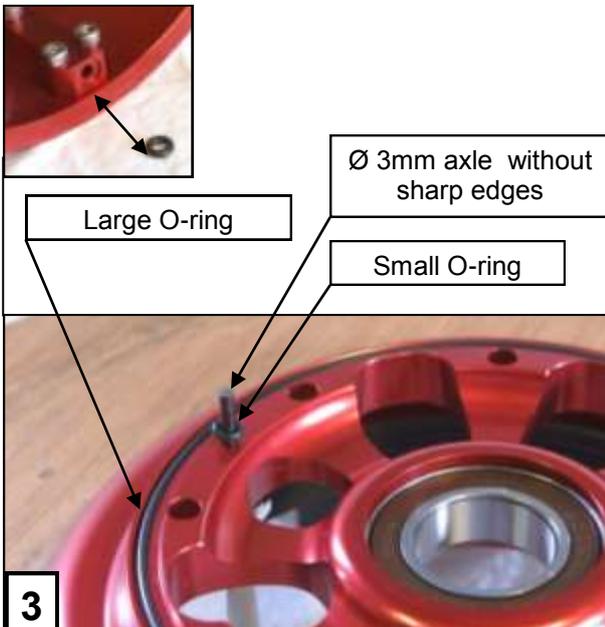
2

Remove the needle valve with the appropriate tool as detailed above.

**BE CAREFUL:** The steps 3,13 and 14 following, for the tyre mounting, are different depending on the **Light** and the **Classic** wheel.

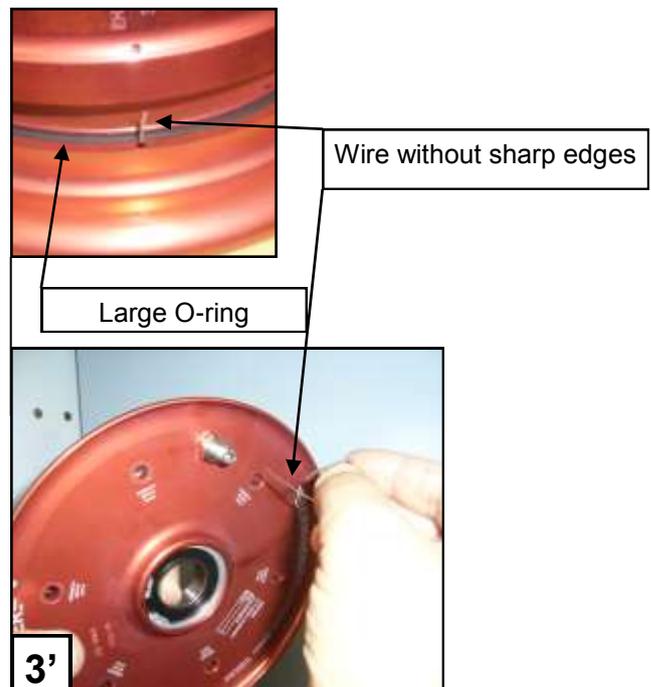
**Wheel 5.00-5 light, 4.00-5 light,  
 4.00-6 light and 6.00-6 light**

**Wheel 4.00-6 classic and 6.00-6 Classic**



3

- Insert a Ø 3mm axle without sharp edges in the valve hole.
- Insert the small O-ring (clean and dry) on the Ø 3mm axle.
- Check that there is no dirt in the ring groove.
- Insert the large O-ring on the side of the wheel (clean and lubricated).



3'

- Insert a wire without sharp edges in the valve hole.
- Check that there is no dirt in the large O-ring groove.
- Insert the large O-ring on the side of the wheel (clean and lubricated).



4

Place the wheel spacer on the wheel flange and press by hand, as shown above. Check that the 2 parts are in contact.



5

Clean all the parts.  
**COMMENT:** You must use a brand new O-ring kit at each tyre changing.  
 Place the 2 wheel parts previously assembled (spacer and flange) on the special tool in the right orientation for the tyre mounting.



6

Clean the 2 tyre flanges with thinner to remove residual wax.



7

Spray tyre mounting lubricant on the tyre flanges.

**BE CAREFUL:** The tyre has a **red triangle** that must be in front of the valve.



8

- Place the conical aluminium tool on the wheel spacer as shown above.
- Spray tire mounting lubricant on this tool then put the tyre on it.
- Press by hand to insert the tyre on the wheel.



9

- Place the second part of the special tool then insert the 3 bolts.
- Press the tyre with the tool till the tyre flange is totally under the level of the horizontal surface of the wheel.
- Clean the horizontal surface of the wheel.



10

Clean with pressurized air or dry cloth the other wheel flange. Check that there is no dirt in the ring groove.

11

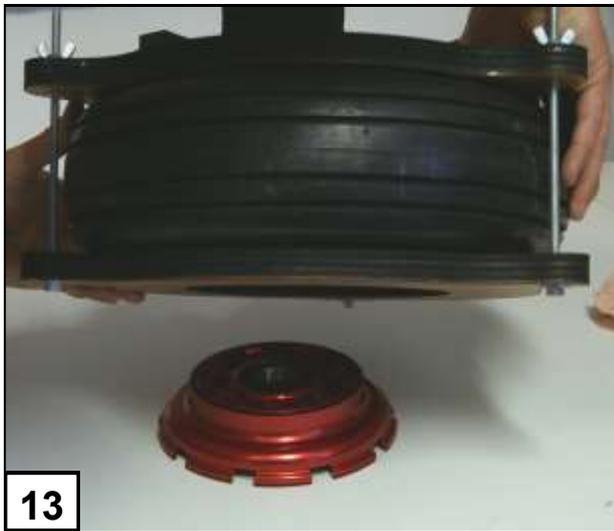
Insert the new O-ring in the ring groove.



12

Put Loctite 243 (blue) at the end of each screw.

Wheel 5.00-5 light, 4.00-5 light,  
 4.00-6 light and 6.00-6 light



13

Place the whole assembly on the wheel flange as shown above.

**BE CAREFUL:** The O-ring must stay in the ring groove during this operation.

Wheel 4.00-6 classic and 6.00-6 classic



13'

Place the 2 guide screws in 2 opposite holes on the wheel flange as illustrated above.



13''

Place the whole assembly on the wheel flange as shown above.

**BE CAREFUL:** The O-ring must stay in the ring groove during this operation.

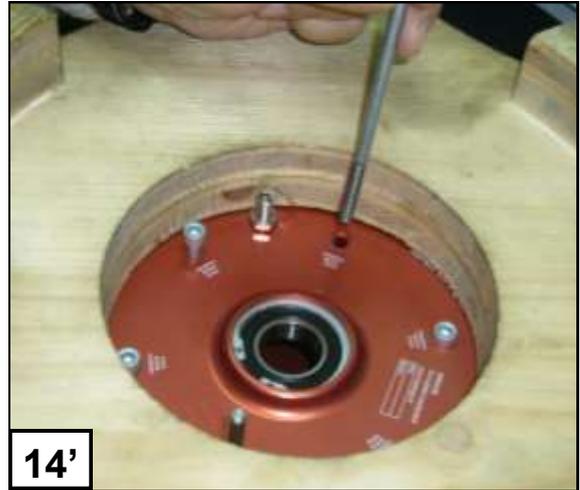
**Wheel 5.00-5 light, 4.00-5 light,  
 4.00-6 light and 6.00-6 light**



**14**

Insert all the screws that bolt the 2 wheel flanges.

**Wheel 4.00-6 classic and 6.00-6 clas-**



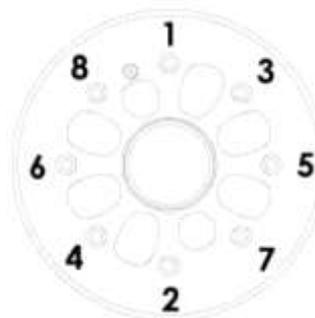
**14'**

Insert 4 screws before removing the 2 guide screws.  
 Then insert the screws remaining.



**15**

Tighten all the wheel screws to contact ( 2 to 4 Nm).



**BE CAREFUL**

Respect the order when you torque tighten the 8 x M6 screws.



**16**

Torque tighten to 10N.m (+-1Nm) equivalent to 1m.kg (+-0.1m.kg)  
 Then torque tighten twice each screw to 10N.m .



**17**

- Screw the needle valve with the appropriate tool.
- Inflate the tyre to the appropriate air pressure.
- 24h later : check that the air leak is not more than 10%
- Inflate tyre to the appropriate air pressure and screw the valve cap.