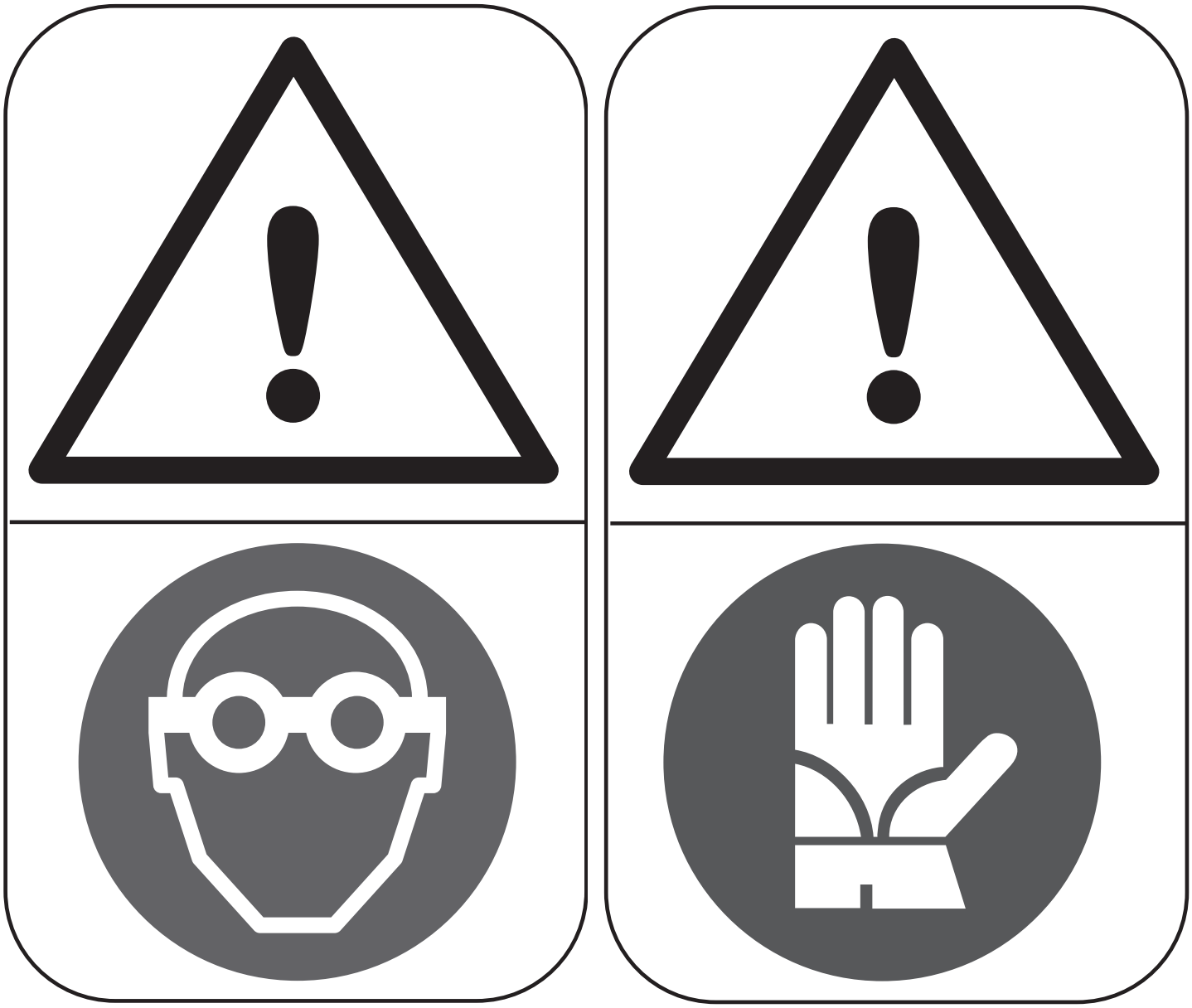
TECHNICAL MANUAL - 1

WHEELS

WHEEL HUB ADJUSTMENT (CUP-CONE BEARINGS)

WARNING!

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



THIS TECHNICAL MANUAL IS INTENDED FOR USE BY PROFESSIONAL MECHANICS.
Anyone who is not a qualified professional for bicycle assembly must not attempt to install and operate on the components independently due to the risk of carrying out incorrect operations which could cause the components to malfunction, resulting in accidents, physical injury or even death.
The actual product may differ from what is illustrated, as the specific purpose of these instructions is to explain the procedures for using the component.

TECHNICAL MANUAL - 1

PROCEDURE	REVISION	DESCRIPTION
1	03/07/ 2024	WHEEL HUB ADJUSTMENT (CUP-CONE BEARINGS)

PRODUCTS ON WHICH THE PROCEDURE SHOULD BE APPLIED

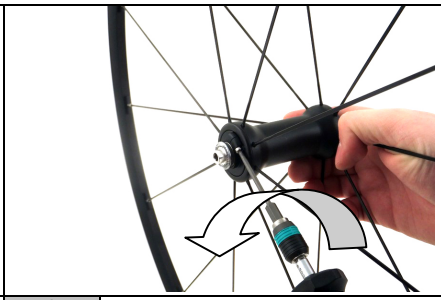
Refer to the "Table of Technical Manuals for Wheels", available at www.campagnolo.com / section "Technical Documentation – Technical Manuals".

1

When the wheel has been in use it may be necessary to adjust the tolerance of the axle movement with respect to the bearings rolling in the cups and cones of the hub. To check whether the adjustment is necessary, hold the rim with one hand, in with the other move the axle to identify if the tolerance is too loose or tight.

2

Use a torque wrench screwdriver with a 2.5mm Allen driver bit, a torque value with a range from 1.2 Nm (11 in.lbs) to 3.0 Nm (27 in.lbs) set to conduct a 2.5 Nm (22 in.lbs) closure.

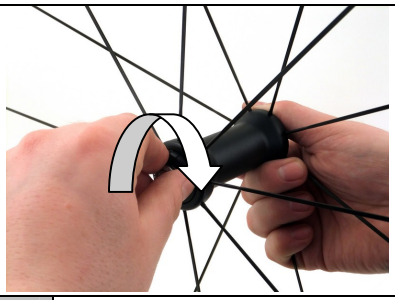


3

Once the screwdriver has been inserted inside the 2.5 screw, loosen the screw counter-clockwise 2 revolutions.

4

The indication that the adjustment ring nut will be loosened will be when the slot in the nut has a visible gap. Do not remove the screw from the adjustment ring nut.



5

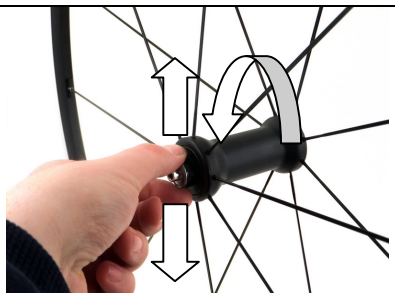
Holding the axle stationary, rotate the adjustment ring nut clockwise by about 1/8 of a turn.

6

Check if the tolerance of the axle movement has been adjusted to satisfaction.
If there is still unsatisfactory movement, carry out point no. 5 again.

7

If the tolerance has been adjusted successfully, tighten the 2.5mm Allen screw with the torque wrench screwdriver set to 2.5 Nm (22 in.lbs). To reach the pre-defined torque, wait for the tool to indicate the proper torque.



8

Check the movement of the axle when it rotates, if necessary repeat from point no. 2.