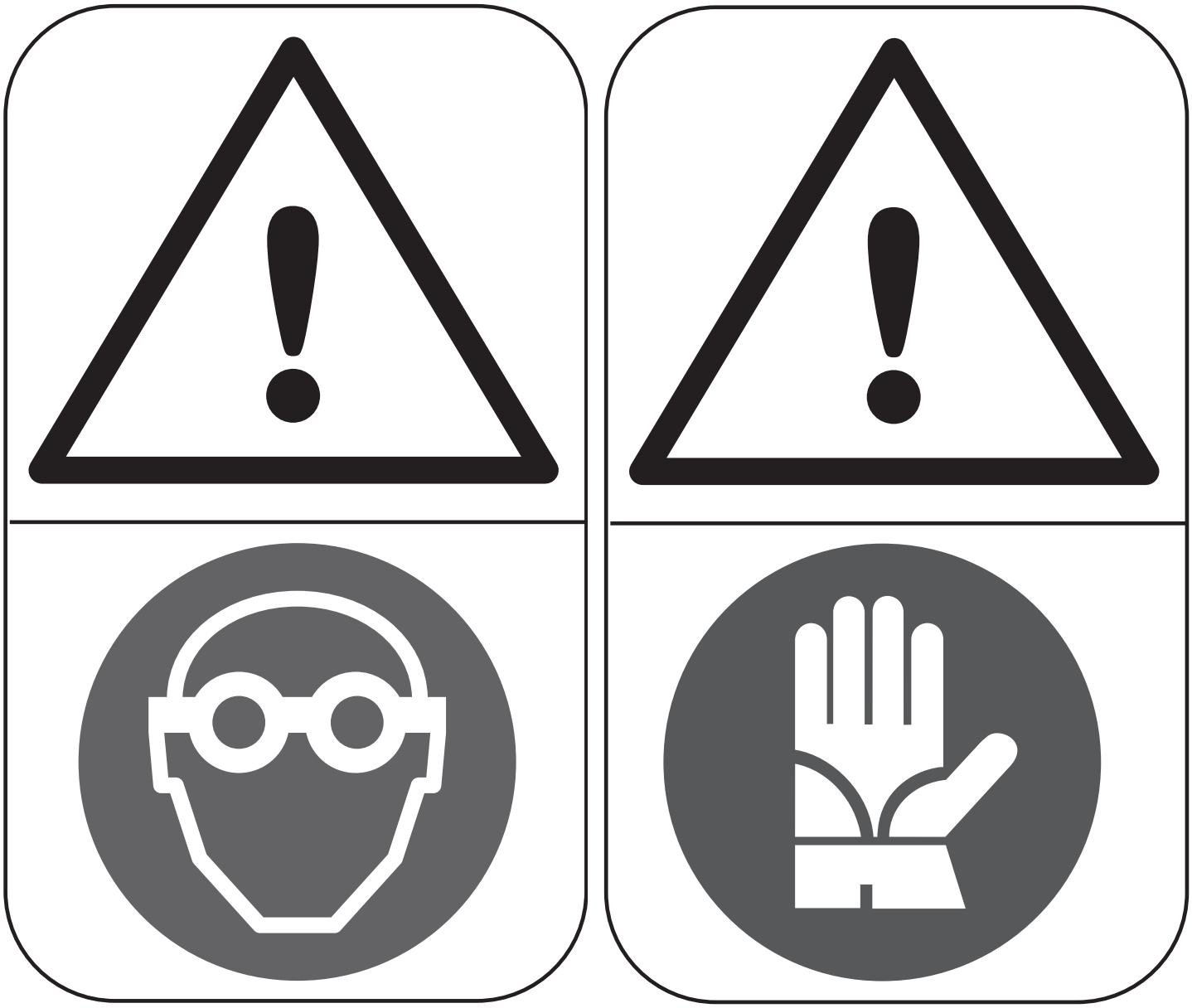
TECHNICAL MANUAL - 15

WHEELS

REMOVAL AND REFITTING THE WHEEL REAR HUB (INDUSTRIAL BEARING)

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 professionally qualified to assemble bicycles should not attempt to install and operate on the components because of the risk of carrying out incorrect operations that could cause the components to malfunction with the consequent risk of 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 - 15

PROCEDURE	REVISION	DESCRIPTION
15	02/09/ 2024	REMOVAL AND REFITTING THE WHEEL REAR HUB (INDUSTRIAL BEARING)

PRODUCTS ON WHICH THE PROCEDURE SHOULD BE APPLIED

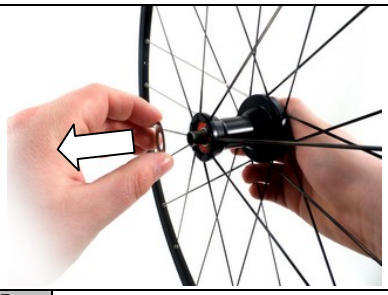
Refer to the "Table of Technical Manuals for Wheels", available at www.campagnolo.com / section "Technical Documentation – Technical Manuals".

1 Remove the cover of the hub with a screwdriver.

2 Using two 17mm open-ended spanners, loosen the axle endcap.

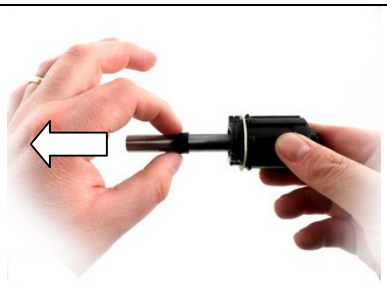
3 Loosen the endcap on the opposite side of the freewheel body.

4 Remove the end spacer.

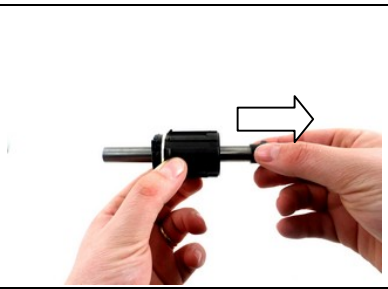


5 Remove the bearing's protective shield.

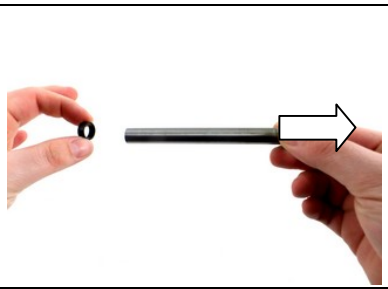
6 Remove the freehub body together with the hub's axle.



7 Remove the internal spacer.



8 Remove the freehub body from the axle.



9 Remove the end spacer from the axle.

10 To remove the bearings: Technical Manual 16 (from 8 to 12).

11 To reassemble the bearings: Technical Manual 16 (from 13 to 24).

12 Grease the inside of the rack insert with synthetic grease.

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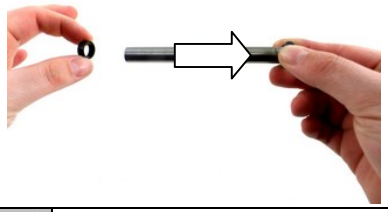
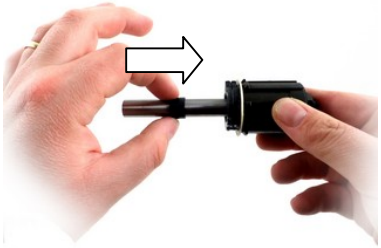
13
The amount of grease applied should cover about 75% of the space of the ratchet ring.

14
If necessary, also grease the inside of the pawls of the freewheel body (Technical Manual 10: from 3 to 9).

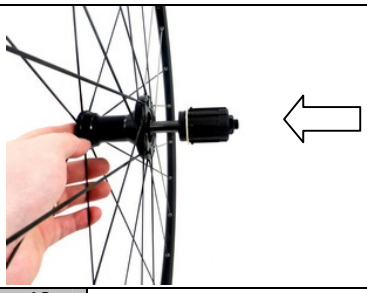


15
Insert the shorter stop spacer on the axle.

16
Insert the axle inside the freehub body.

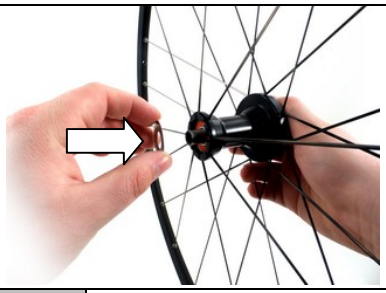


17
Insert the medium spacer on the axle.

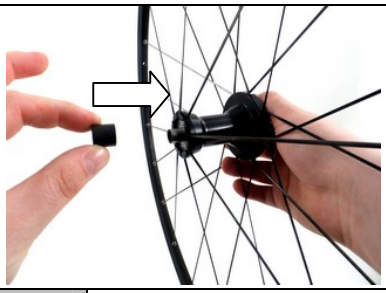


18
Insert the axle inside the body of the hub.

19
Use a screwdriver to lightly insert the pawls inside the ratchet ring.



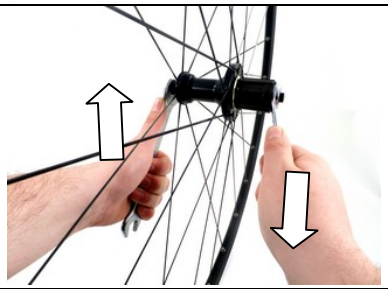
20
Insert the bearing's protective shield in the body of the hub, making sure you follow its positioning. The surface with the niche must face the outside of the hub's body.



21
Insert the end spacer on the axle.

22
Insert the axle endcap on the axle.

23
Tighten the endcap.



24
Tighten the end caps with two 17 mm wrenches.

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25

Insert the cover on the left flange of the hub.

26

Check the rotation of the hub's axle and the clearance of the bearings.