MAINTENANCE

ROAD - CYCLOCROSS

TECHNICAL MANUAL 2013 - ROAD & CYCLOCROSS

GROUP | TYPE | OPERATION | REVISION | DESCRIPTION
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ROAD WHEELS | INDUSTRIAL BEARINGS MECHANISM | 014 | 1/2011 | REMOVING AND PLACING BACK THE FRONT HUB

PRODUCTS ON WHICH THE PROCEDURE SHOULD BE APPLIED

<table>
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<tr>
<th>Racing 7™</th>
<th>Racing 5™</th>
<th>Red Wind™</th>
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1. With a flat-bladed screwdriver remove the first protective cover. Make sure you do not damage the cover’s locking teeth which would affect reassembling at a later stage.

2. Conduct the operation on both sides of the hub.

3. Using two 17mm open-ended wrenches, loosen one of the two axle end caps from the axle.

4. Unscrew the end cap.

5. Loosen the threaded spacer by holding the left side of the hub.

6. Slide the axle out from the opposite side.

7. Remove the protective shields of the bearing on both sides

8. Get an adequate sized bearing extractor to remove the bearings.

9. Insert the designated stripper on the internal diameter of the bearing.

10. Check the stripping teeth are positioned correctly inside the bearing.

11. Remove the bearing using the designated striker.

12. Repeat on the opposite side.
Check that the bearings are undamaged and that they rotate smoothly and freely. If not, replace them.

Grease with Campagnolo’s grease code LB-100.

The amount of grease applied should cover about 75% of the space inside the bearing.

Insert the bearing inside the hub shell.

The bearing’s grease shield should be facing outwards after it has been fully inserted. Position the bearing correctly as shown in the photo.

Insert the part inside the threaded pin.

Insert the pin inside the body of the wheel’s hub so that the pin reaches the opposite side.

Insert the other bearing inside the part with the grease shield facing the O.L.D of the part.

Insert the adaptor onto the threaded press.

Tighten the bearing press tool firmly until the bearings are fully inserted inside the designated hub housings.

Loosen the part to allow for full insertion of the bearings and remove the threaded press from inside the body of the hub.
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25. Make sure the bearings are fully inserted.

26. Reassemble the axle by inserting the bearing’s protective shield on the pin of the hub.

27. Follow the positioning of the bearing’s protective shield. The surface with the niche should face the outside of the hub’s body.

28. Insert the axle inside the body of the hub.

29. Using a plastic hammer gently tap on both sides of the hub pin so that it slides easily into place.

30. Insert the bearing’s protective shield in the body of the hub from the opposite side, making sure you follow its positioning. The surface with the niche must face the outside of the hub’s body.

31. Manually tighten the axle threaded spacer until you reach the protective shield.

32. Tighten the hub’s knurled stop lock nut on the axle. The knurled part should face outwards.

33. Insert the cover in the hub.

34. Hold the pin’s lock nut with a 13 mm open-ended spanner and close the knurled nut with a 17 mm torque wrench.

35. Check the rotation of the hub’s axle and the clearance of the bearings.