











1 - TECHNICAL SPECIFICATIONS

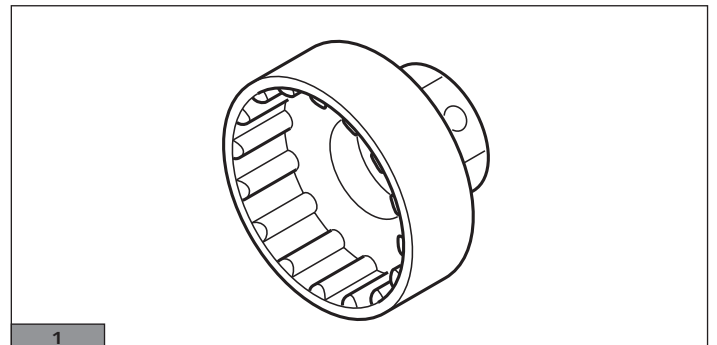
| OVER TORQUE™ | Thread | | Press-Fit | | | | |
|---|-----------------|---|---|---------|--|----------|---|
| | ITA | BSA | BB30 | BB86 | PF30 | BB RIGHT | BB386 |
| | 70x (36x24 tpi) | 68x (1,37"x24 tpi) | 68x42 | 86,5x41 | 68x46 | 79x46 | 86,5x46 |
|  | |  |  | |  | |  |
|  | |  |  | |  | |  |

IMPORTANT!

If bottom bracket cups with the EPS unit are used, use the axle cover cylinder provided together with the bottom bracket cups. Check that the cable that connects the power unit with the rear derailleurs is not crushed between the axle cover cylinder and the frame. If there is not enough space for the cable, the bottom bracket shell must provide a passage for the cable outside the bottom bracket shell itself.

2 - TOOLS

For the assembly of the English thread bottom bracket cups (standard) use tool UT-BB150 (Fig. 1).

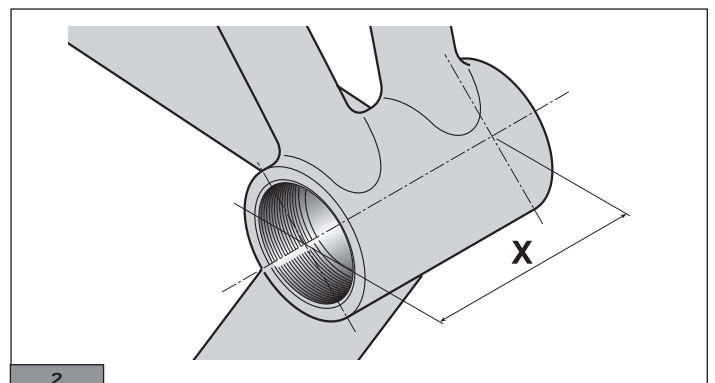


3 - COMPATIBILITY / INTERFACE WITH THE FRAME

3.1 - COMPATIBILITY WITH BOTTOM BRACKET SHELLS

The Campagnolo Over -Torque crankset is compatible with shells that have the following widths:

| TYPE | X (Fig. 2) |
|----------------|-------------------|
| ENGLISH THREAD | 67.2 mm ÷ 68.8 mm |



4 - MOUNTING BOTTOM BRACKET CUPS

When a frame is being produced the bottom bracket shell is often deformed. Moreover, paint residuals are often left on the shell edge and thread. Therefore, in order to prevent the bottom bracket cups from deviating from their ideal operating axis, rethreading is necessary and the edges must be smoothed (unless the frame manufacturer has already seen to it).

4.1 - PREPARING THE FRAME AND INSTALLING THE CRANKSET

- Make sure that the shell thread (A - fig.1) corresponds to that of the bottom bracket cups.

- **English thread: 1,370x24 tpi**

- Rethread (A - fig.1) the shell, using an appropriate tool.
- Flatten the edges of the shell (B - fig. 2) in compliance with the measurements X (Fig.2 - "INTERFACE WITH THE FRAME") using an appropriate tool.

- Ensure that there is a water drainage hole on the bottom of the bottom bracket shell. If there is none, do not make one, but contact the frame manufacturer to clarify the issue.

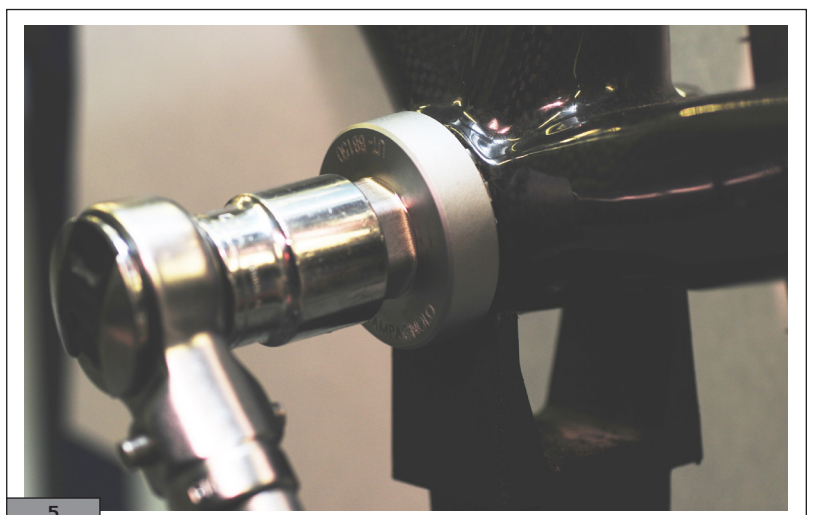
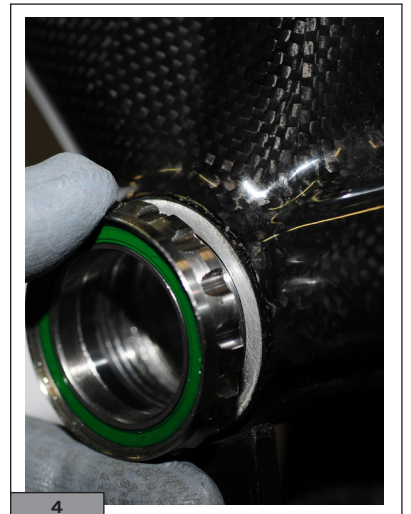
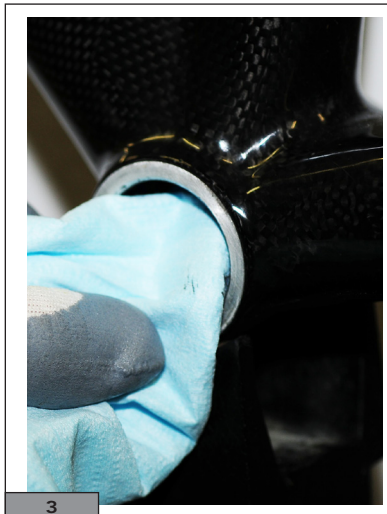
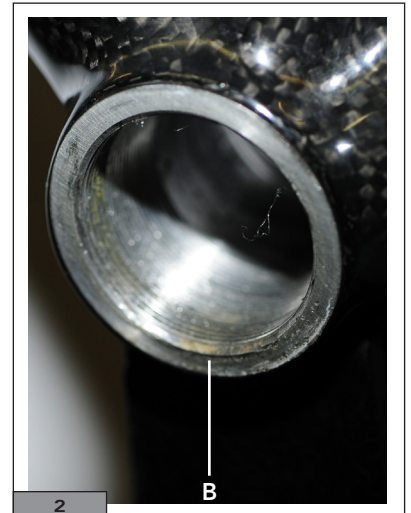
- Clean and degrease the threads of the bottom bracket shell (Fig. 3).

CAUTION

Use only bottom bracket cups for Campagnolo Over - Torque cranksets.

- Select the right hand bottom bracket cup and screw down completely (left-hand thread) (Fig. 4) then tighten to **35 Nm (310 in.lbs)** using the Campagnolo tool UT-BB150 and the torque wrench (Fig. 5).

- Repeat the previous operation for the left hand bottom bracket cup, turning it in a clockwise direction.



5 - MAINTENANCE

- **Maintenance intervals are strictly approximate and may vary significantly in relation to the intensity and conditions of use (for example: competitions, rain, winter roads with salt, weight of the athlete, etc.). Schedule the appropriate maintenance with your mechanic.**

- If the bottom bracket cup bearing need to be replaced, the entire bottom bracket cup **MUST** be replaced. Replacement of the bearing is not allowed under any circumstances in order to prevent misalignment between the bearing and the bottom bracket cup.

CAUTION

- Dirt seriously damages the bicycle and its components. Rinse, clean and dry your bicycle carefully after use.

- Never wash your bicycle using pressurised water. Pressurised water - even from a normal garden hose - may infiltrate through the seals and into your Campagnolo®, components, causing irreparable damage to them. Wash your bicycle and the Campagnolo® components by delicately cleaning with water and neutral soap. Dry with a soft cloth: Never use abrasive or metallic sponges.