QUICK TIP

10 STEPS TO SILENCING A CANNONDALE BB30/PF30 BOTTOM BRACKET

Cannondale’s BB30 and PF30 bottom brackets allow us to design and install stiffer and lighter cranksets which mean we can make better performing frames and crank systems, to give riders the maximum performance possible. Like a lot of high-end products they can require some specific maintenance. These are our 10 Steps to silence a creaky or noisy BB.

STEP 1: Remove pedals. Remove crankset using a Cannondale Hologram crank extractor (KT013/). Remove cups, bearings and also Spiderings. Clean everything well before commencing the following reassembly steps.

STEP 2: Apply Loctite 638 to the outside of the PF30 cups and press individually into the frame. Or Ream the aluminium inserts on BB30 frames.

STEP 3: Apply Loctite 638 on the edges of clean, smooth running bearings and press them INDIVIDUALLY into the frame.

STEP 4: Check over the spindle and use wire wool to smooth out any imperfections from where previous bearings have been mounted.

STEP 5: Apply Loctite 638 carefully into the spaces between the Spidering and the spindle.

STEP 6: Ensure the locking is tightened to 47Nm using the KT012/ tool.

STEP 7: Grease the axle.

STEP 8: Ensure the thin washers are in place between the crank bolts and the crank arms.

STEP 9: Tighten both crank bolts to 40Nm.

STEP 10: Ensure pedal axles are cleaned and greased before reinstalling.

Please Note: Sometimes what sounds like a creak at the BB can be coming from other areas of the bike. These steps will fix a creaky BB but you should still follow your normal workshop procedure to check other areas (Headset, spacers, mech-hanger etc.).