



NINER ENCYCLOPEDIA >>

SPECIFICATION & SETUP GUIDE

BIOCENTRIC INSTALLATION

INSTALLATION NOTES

The Niner BioCentric is subject to unusual forces and BB shells are frequently exposed to water and mud, making proper bottom bracket installation and maintenance particularly important. BioCentric should never be used in a full carbon BB shell! The clamping forces of the BioCentric can crush a carbon BB shell. For the best results we recommend only using good quality grease in the red areas indicated in Diagram 1:

1



Some older Niner frames may require extra steps for installation. See a Niner Dealer or contact info@ninerbikes.com for installation instructions for used/older frames or if your BioCentric has 130 in/lbs laser etched on the non-drive side shell.

If you don't have the necessary tools or skills to install this component, take it to an authorized Niner dealer for installation. It's critical that it be installed correctly to ensure its longevity and functionality. If you have any questions or concerns about your product, don't hesitate to contact us through our web site or by emailing info@ninerbikes.com.



GETTING STARTED

You will need:

- HIGH QUALITY GREASE
- NINER BIOCENTRIC & BIKE FRAME
- CLEAN SHOP RAG
- ALCOHOL
- TORQUE WRENCH
- 6MM HEX WRENCH
- 5MM HEX WRENCH

Step by step instructions for installing the Niner BioCentric in a new Niner frame:

1. CLEAN FRAME AND BIOCENTRIC - The frame's bottom bracket shell and the BioCentric Bottom Bracket Insert must be completely free of lubricant or dirt. Wipe the shell and BioCentric thoroughly using a clean rag and alcohol.
2. INSTALL BIOCENTRIC - Lightly grease the bolt posts of the non-driveside BioCentric half. Carefully slide the two BioCentric halves into the frame, aligning them so that the two M6 bolts may be installed. Grease the bolt heads per diagram 1 and threads to ensure the bolts do not bind and give improper torque readings. Torque the bolts to 106 in-lbs. Proper torque is critical, do not exceed 106 in-lbs.

Over-tightening any BioCentric installed in an Air 9 Carbon CYA (alloy shell) frame can distort the bottom bracket shell and cause irreparable damage. This damage caused by improper installation is not covered under warranty!

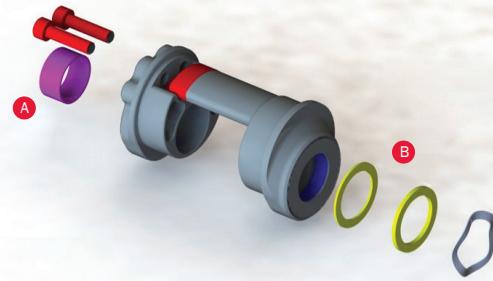
BIOCENTRICII

Install the bottom bracket and crank - Install the bottom bracket cups and crankset per manufactures specification. Some chainring/bottom bracket spindle length combinations may cause interference with the chainstay. If this occurs you will most likely be able to rotate the BioCentric II so that the bottom bracket is in a more forward position to eliminate the interference.

BIOCENTRIC30

Install the crankset - The BioCentric30 has a built in bottom bracket that is designed to use 24MM spindle cranksets. If you have a crankset with a stepped 24MM/22MM spindle you will want to use the included shim kit to use your crankset, see diagram 2. If you have a non-stepped 24MM spindle you can install it directly into the bottom bracket with no shims.

2



A. This shim presses onto the splined end of the crankset. You should liberally apply grease to both sides. **B.** Install spacers as needed. You want the spring washer to be engaged but not totally flattened. The crankset should spin freely.

3. TENSION CHAIN - Make sure that the BioCentric bolts are installed but loose. Use a 6MM allen wrench inserted into the adjustment hole on the non-drive side to spin the BioCentric in the shell until you reach your desired chain tension. See diagram 3

You can now torque the bolts to 12NM (106in-lbs) and go ride!