Chris King Precision Components™ Warranty

All Chris King Precision Components products are manufactured 100% in the USA using industry leading environmental and quality control standards. These products are warranted for original owners against defects due to improper workmanship or materials. The warranty period is for 1 year from the date of purchase. The warranty is invalid if the product has been altered, damaged or water or other liquids have entered the product. This includes products that have been modified, repaired or used in a manner or with components not recommended by Chris King Precision Components. This written express warranty is in lieu of all other warranties, implied or expressed, and does not cover damages or cost associated with labor or accidental damage. This warranty does not extend to products sold directly from Chris King Precision Components.

Bottom Bracket Installation

Bottom bracket (BB) installation requires specialized tools. We recommend using a crank puller, BB remover, and BB shell expander to remove the old BB. Installation of bearing cups involves several steps:

1. Remove BB bearing spindle sleeves (black plastic pieces) from the inner diameter of both bottom bracket bearings by hand. If not removable by hand, carefully use a small file, deburring tool or sand paper to remove any sharp edges or burrs. Apply a generous amount of waterproof grease to the inside of the adapter sleeve, then slide adaptor sleeve over the spindle splines until it sits flush with the shoulder on spindle shaft.

2. Face the BB shell to ensure that the ends are square and parallel to each other. Be sure to remove all frame paint from BB shell/BB cup interface. Attach BB cups to the frame with 3/8” socket wrenches and torque wrenches. The Chris King External BB Cup Tool features an optimized spline interface that minimizes the chance of marring BB cup anodization and is compatible with BB cups. BB cups are compatible with the following external BB cup spline tools: Chris King External BB Cup Tool, Park™ BBT-9 and Shimano™ TL-FC32/TL-FC33. With proper BB spacers installed on BB cups, thread BB cups into frame using a compatible BB cup spline tool (see below) and torque to 40 Nm (30 ft/lbs). Tech tip: three white plastic spindle spacers have been included to fine tune BB bearing preload. They each have a thickness of .33 mm. These spacers are only required when fine tuning of the BB bearing preload is necessary. Additional spacer kits are available through any authorized Chris King dealer, or directly from Chris King Precision Components.

3. Using a small file, deburring tool or sand paper, carefully remove any sharp edges or burrs from the BB shell edges. Apply a generous amount of waterproof grease to the inside of the adapter sleeve, then slide adaptor sleeve over the spindle splines until it sits flush with the shoulder on spindle shaft.

4. Determine the recommended number of spindle spacers required for your crankset/BB shell interface by referring to the Spindle Spacer Guide in this manual. Before proceeding, check for bearing interface play by pushing/pulling the crank arm toward/away from the frame. Check for excessive bearing drag by spinning crankset. If bearing play or excessive drag is detected, proceed to “Stepped Spindle BB Installation Troubleshooting.”

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6. If installing a MTB-style BB and crankset into a 68 mm BB shell, install one 2.5 mm BB cup spacer onto each bearing cup. No spacers are required for all other setup configurations.

7. If the crankset is intended to be a single chainring, install one 1mm Al Spindle Spacers**. If the crankset is intended to be a triple chainring, install one 1.5mm Al Spindle Spacers**. If the crankset is intended to be a double chainring, install one 1.25mm Al Spindle Spacers**. For road triple, 68 mm n/a 0 0 5. For mtn triple, double, and single, 73 mm yes 0 0 1.
Congratulations!

Since 1976, Chris King has been supplying cyclists with the best made, most reliable components you can buy. With proper installation longevity and reduces the possibility of installation problems.

Installation of Bearing Cups

24mm Spindle BB Installation

Face the BB shell to ensure that the ends are square and parallel to each other. Be sure to remove all frame paint from BB shell/BB cup interface.

Use BB marked MTN (A) on 68, 73, 83 and 100mm BB center sleeves with generous coating of anti-seize (use Zinc or Copper based anti-seize when installing onto a titanium frame) to the threads on the BB cups, as well as on the BB shell.

BB configurations that use a 24mm crank spindle are unique and separate aftermarket items (FSA, Chris King, etc.).

Before passing spindle through second BB bearing, be sure spindle is properly aligned with BB bearing spindle sleeve. Follow crank arm manufacturer’s installation instructions to properly install crank assembly and achieve optimal BB bearing preload.

Spindle should be insertable into BB using hand pressure. Use of excessive force may cause bearing to separate. If fitting issues are encountered, contact Chris King for additional advice.

Some crankset designs may require additional spindle spacers to be installed onto the crank arm spindle to achieve proper BB bearing preload. Three different sizes of white plastic spacers are available through any authorized Chris King dealer, or directly from Chris King.

Spindle spacers are available in:

- 2.5mm
- 5mm
- 10mm

Replacement parts can be purchased through any authorized Chris King dealer, or directly from Chris King. Common spare parts are available online and from authorized Chris King dealers.

Questions? Please e-mail us at info@chrisking.com or call the Customer Service hotline at 800-523-6008.

BB Bearing Relubrication with Chris King BB Injector Tool

BB Bearing Cleaning and Relubrication

BB Maintenance

Chris King offers a range of products to maintain and service your BB.

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