

Ceramic Pulley Installation Guide.

We recommend a qualified bicycle mechanic do all installations. Warranties can be voided if a qualified bicycle mechanic did not perform installation.

If possible, remove the chain to install the pulleys as it is much easier this way. If installing the pulleys with the chain on, make sure to line the pulleys up properly as the weight of the chain can cause the pulleys to shift and not line up with the bolt hole on the derailleur.

Please note, we have 4 different pulleys that have been sold. Version #1 (sold 2005-2014) which has UPPER and LOWER marked on each pulley. This version has a specific upper and lower pulley.

Version #2 (sold 2014+) and Version #3 (our Ti pulleys sold 2014+) do not have specific upper and lower pulleys. They are interchangeable EXCEPT if you use SRAM. If using SRAM, look at the holes in the middle of each dustcap, the one that has the silver shim pressed in is the UPPER pulley. Version #4 is the same as Versions #2 & #3 except these work with either 10 or 11 speed and contain no marking on the dustcaps pertaining to speed (10 or 11 Speed). For 10 speed, use included spacers. For 11 speed, do not use included spacers.

Pulleys should be mounted with the original allen bolts that came with your rear derailleur. The bolts should fit tightly and it is common to have to "push" the bolt through with a little force.

It is advised to do a full re-adjust of your rear derailleur when installing our pulleys. This includes cable tension, b-tension and limit screws. Information on how to do this can be obtained from your derailleur manufacturer.

Di2 Users Please Note: Due to the lack of fine tune adjustment with Di2, our pulleys ****may**** run a little noisier with Di2 (electronic derailleurs).

TIP: *You should keep your bearings well lubed and clean. Visit the "Bearing Maintenance" section of our tech pages.*

TIP: *Stock Shimano upper pulleys have a small amount of lateral float built into them. This is to aid in shifting if the rear derailleur is not adjusted properly. The Shimano upper pulleys use bushings rather than bearings to achieve this play. Our pulleys use ceramic bearings in both the upper and lower. Therefore the upper pulley will not have lateral play. This means it is important to adjust your rear derailleur properly as a properly adjusted rear derailleur will shift as good as stock, when using our pulleys.*

TIP: *A small amount of loctite can be applied to the bolts before re-installing to ensure they do not loosen.*

IMPROPERLY ADJUSTED REAR DERAILLEURS CAN CAUSE SIGNIFICANT DAMAGE TO YOUR BIKE, REAR DERAILLEUR AND REAR WHEEL BY THROWING THE CHAIN INTO THE SPOKES OR INTO THE FRAME.

WE HIGHLY RECOMMEND A QUALIFIED BICYCLE MECHANIC PERFORM ALL INSTALLTIONS.