

# Procedure for alternate assembly of Quick Release Cage Clamps

## "Tubes under the cage rings"

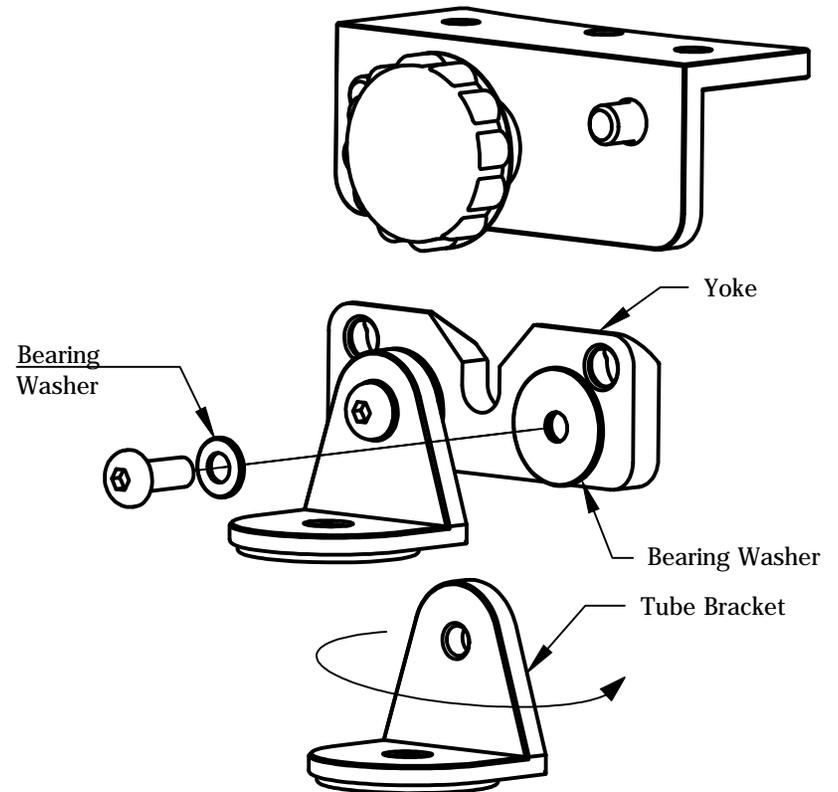
This procedure outlines how to change your Cage Clamps from the standard to the alternate method of assembly. This is useful if you would like a more compact mirror box or the truss tubes under your cage rings. You can apply this procedure for going to the standard from the alternate as well.

1. If your tubes are attached, remove them
2. Using a 1/8in. hex wrench break lose the loctite bond on the two screws holding the TUBE BRACKETS to the yoke. The Loctite is #242 medium strength and removable, once the bond is broken the screws will back out with less effort.
3. There are two plastic washers shown in the drawing that act as bearings, take care to keep track of them, they are vital to the function of the clamps.
4. Clean remaining Loctite from the threads on the screws, this is not critical, just get most of it.
5. Apply a slight amount of #242 Loctite or other thread locker product to the threads in the hole on the yoke. I use a toothpick to apply the Loctite here in the shop, the small diameter of the toothpick limits the amount of loctite to the right amount.
6. Rotate the TUBE BRACKET 180 degrees and reassemble as before.

### --THE NOT SO EASY PART--

7. Soon after assembly and before the Loctite has time to set up, using a torque wrench, apply 14 in-oz of torque to the screws. If you don't happen to have an appropriate torque wrench you can approximate the right amount of torque using the 1/8in. hex wrench. My 1/8in. hex wrench is about 3 1/2in. long, so if I apply 4oz of force to the wrench, 3 1/2 out from the screw you will get about the right amount of friction on the bearing.
8. Inspect the backside of the yoke for Loctite that has oozed out, clean it off with a cloth and a small amount of alcohol.
9. Allow the Loctite to cure for 12-24 hours, DO NOT rotate the TUBE BRACKETS during this time.
10. Check the movement of the TUBE BRACKETS after cure is complete. They should feel tight and have a smooth motion, with both requiring about the same amount of force to rotate them. If they are not tight enough or about equal in rotating force, go to step 11.
11. A very slight adjustment can be made to the screws without completely breaking the loctite bond. Use the 1/8in. hex wrench, very slightly rotate the screws to tighten or loosen depending on what you want. If the Loctite fails to hold the screw after your adjustment repeat steps 4-10

If you don't have success, you can send them back to us and we will do it for the cost of postage.



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