



Replacement of Center Post Stub March 2020

The KIO hex beam center post is mounted into a round Flange that is part of the base plate. The center post must have a short stub of one inch pvc or pipe. One inch pvc or pipe is actually about 1.3 inches in outside diameter.

If the previous stub was pvc and was broken, it must be removed. The pvc stub is fastened with either #6 metal screws or blind rivets. Screws can be removed with a screw driver. The rivets should be drilled out with a 1/8 inch drill bit.

The new replacement stub should be about 3 1/2 inches long and inserted up into the square tube about 1 3/4 inches. If the stub is made of metal, care must be taken to ensure that the stub is not pushed up so far as to touch the inner tube or bar inside the center post. Contact will result in the center post being shorted out and the hex beam will be totally non-functional.

The photos here show the parts contained in the center post stub kit and how the installed stub look. Because the stub is not a perfect fit into the square center post, a small aluminum shim is needed to make it snug.

Insert the stub and shim into the square center post 1 3/4 inches, then drill a 1/4 inch hole through the square center post and the stub about 1/2 inch from the bottom of the square tube. Insert a 1/4 inch hex bolt that is 1 3/4" long and use a nyloc nut to secure. Then drill a second 1/4 inch hole through the square center post and the stub about 1 1/4" from the bottom of the square tube but on the adjacent side as shown. Insert a 1/4 inch hex bolt that is 1 3/4" long and use a nyloc nut to secure. Use stainless steel hardware if available. The through bolts nor the stub should not touch the inner bar that runs down the inside of the square tube as this will also short out the center post and the hex beam will be totally non-functional.

After drilling holes, and before inserting the bolts, be sure and shake the center post so the aluminum drill shards fall out and are no longer inside. Use a high intensity flashlight to look inside and make sure none are stuck as these can be lodged between the inner bar and the outer shell of the center post and cause an electrical short. Your hexbeam **WILL** be dead if this happens. And then, after installing the bolts, be sure and make a DC test for any short before using the center post.

