



Hard Water Bullet Assembly and Service Instructions





Cleaning vinegar can be used to remove the green scale from the bullet core. Cleaning vinegar is a special vinegar that can be purchased at a local grocery store. Simply pour enough undiluted vinegar into a bowl so that the core is completely immersed and allow to soak for about an hour, remove and brush with a plastic or brass bristle brush. Repeat this process until the core is clean. It is not necessary for the core to look polished. You just need to clean any green scale build-up for the core's surface.



Cleaning the conditioners core every 8-12 months (Possibly more often if you have high iron in your water) will ensure that the conditioner will work at it's peak performance. It's important to install the core with the beveled end on the water inlet end of the housing, this is because a venturi effect is created when the water enters the cores beveled end. This turbulent is nessasary because this is where electrons are created and the un-treated calcium becomes aragonite crystals which is a soft treatable form of calcium that is removed much easier.

Points to remember:

1. The Hard Water Bullet will not remove calcium from your water, it treats the hard water and keeps it from creating limescale, some soft spotting may still occur on glassware and stainless which is easily removed.
2. Always Re-install the bullets core so that the beveled end points up-stream of water flow.
3. If you have the Portable/RV model, do not over tighten the bronze ends, hand tight only. Replacement washers are available if needed.
4. If your Hard Water Bullet has the gray plastic unions, do not over tighten, use only teflon tape, hand tighten and ½ turn with a wrench.
5. Check for water leaks after turning your water back on, and check for leaks several days after installation. If you over-tightened the unions, small cracks may occur that might not leak for several hours or even several days. Replacement unions are available if needed.

If you have the Hard Water Bullet with stainless couplings, try and purchase teflon tape made specifically for stainless steel threads. This kind of tape will ensure the threads will not seize and make it easier for disassembly and bullet cleaning.



On the style with stainless couplings, check inside the couplings for the proper placement of the stainless retaining ring. You should do this when you service the inner core



The Hard Water Bullet can be installed horizontal or vertical, and in any configuration as long as the bullets beveled end is facing toward the flow of water.



For questions or replacement parts, call Filter Water Direct at 316-640-2237 or see our website at

www.filterwaterdirect.com