



# TECHNICAL DOCUMENT

## 4017 Rebuilding a Cool Touch Steam Wand

*\*From 2021 onwards, all Mavam steam wands are vacuum insulated. If your machine is pre 2021 you can rebuild the steam wands or update to the new vacuum wands. [New Vacuum Sealed Steam Wand Update](#)*

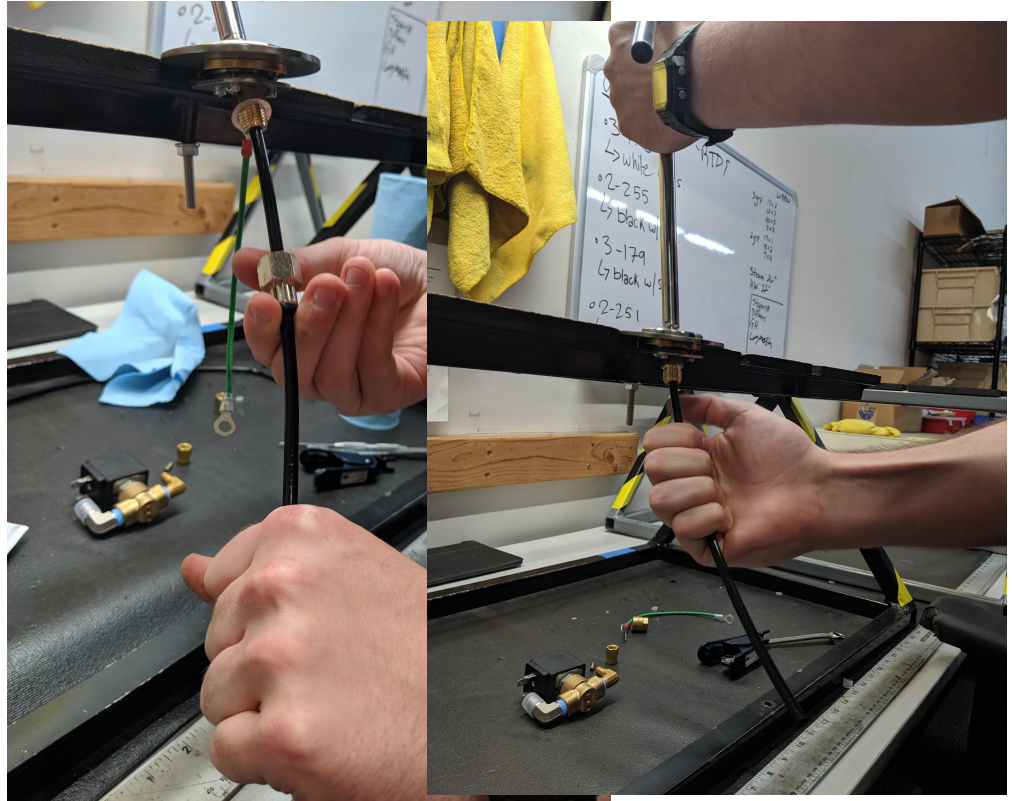
Tools Needed: 12mm, 14mm wrench, Straight Tool (must be skinny enough to fit in the wands opening/ preferably flathead), tube cutter (you may use a very sharp knife or box cutter)

### Part 1: Disassemble the old Steam Wand

1. Unscrew Steam Wand Tip and set aside until complete. (12mm wrench can help if it is on too tight)



2. From underneath the UI, undo the 6mm nut from the solenoid valve. Unscrew the push in locked John Guest, must be clicked to properly turn, from the underside fitting of the steam wand. Now pull black teflon tubing out slowly. Pull off the John Guest fitting and 6mm brass nut.



#### Part 2: Assemble the new Steam Wand

3. Check near the Steam wand's tip if the cool touch gasket is still in place and looks to be in good shape.

**\*Note: needs to be within  $\frac{1}{4}$  to  $\frac{1}{2}$  inch from the beginning of the steam wand. If it does look okay, continue to step 4.**

*If not, follow these next two steps...*

- a. Extract the old cool touch gasket with a screwdriver(flathead is easier) Then throw the old cool touch gasket away.
- b. For placing the new cool touch gasket, roll up or pinch the new cool touch gasket and slowly push into the same side of the steam wand where the steam tip is located. Do not push it far in but in small increments equal on each side of the gasket. After it is about  $\frac{1}{4}$  to  $\frac{1}{2}$  inch in but still on the threads some, place Straight Tool in the center of the gasket and begin to roll until the gasket is flush and flattens all the wrinkles.





4. Apply food safe lubricant to the exterior of the new black teflon tubing. About the first 2 inches down from one of the ends. This is what will be inserted first.

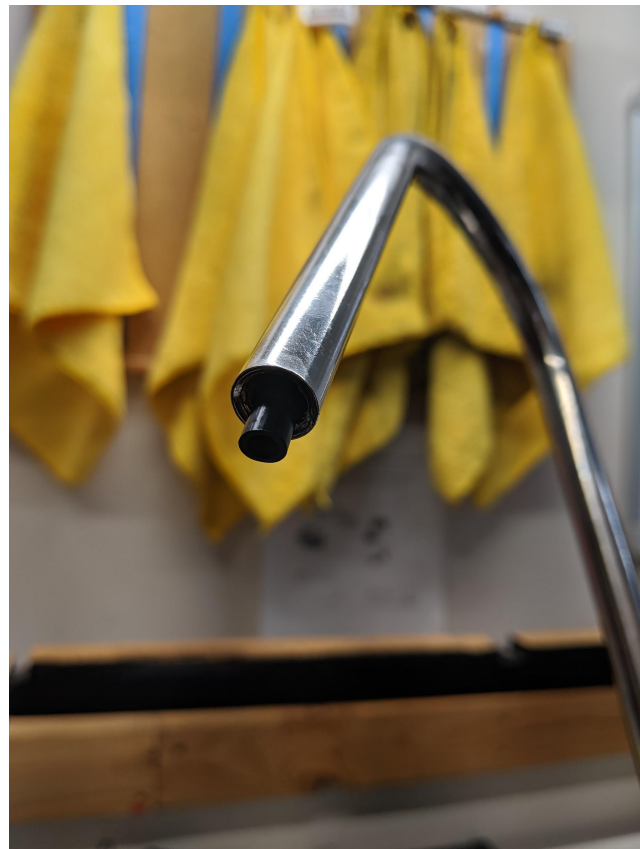


5. Proceed to slowly push the tubing, with food safe lubricant, into the side of the steam wand with the steam wand tip. **\*Note: Be sure to push slowly and in small increments, keeping your hand no more than 2 to 3 inches front the metal steam wand edge. Do not bend or kink the tubing, this would ruin the process and cause damage.**

Allow about ½ inch of the

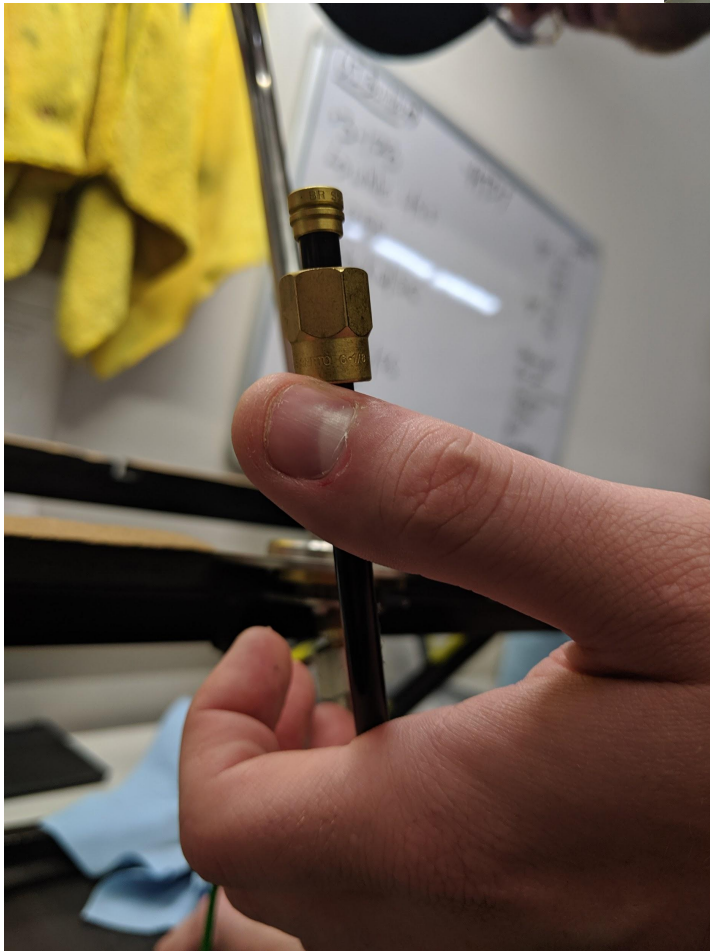
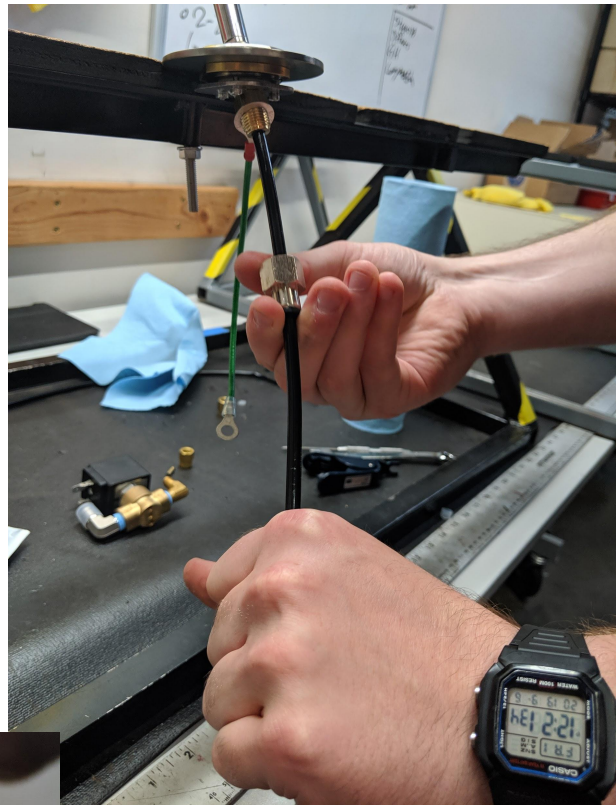
black teflon tube sticking out of the side with the steam wand tip.

6. Wipe off any exposed tubing on the underside of the UI, but be careful not to pull the tube through. If so, you will have to go back to Step 4.



7. Applying the John Guest No-slip fitting- Be sure to click in the plastic ring to release the teeth on the fitting and push up the tubing up to the brass fitting contracted to the steam wand.

**\*Note: if not held down properly it will destroy the tubing.**



8. Looking at the underside, make sure the tubing has a flat cut to the end of the bottom of the tubing. If not, cut it. Grab your brass 6mm nut and place the threaded side down on the tube. Next will be brass tube insert and then the ferrule nut to cap it off.

9. Now begin to tighten the nut onto the solenoid valve, make sure the black teflon tube is pushed firmly against the two way valve to make a proper seal and crimp while tightening down the nut. **\*Note: Be careful not to crank this down and crush the tubing closed.**
10. Activate the steam wand, and check for leaks from the newly made connection of the solenoid valve to the steam wand.

