

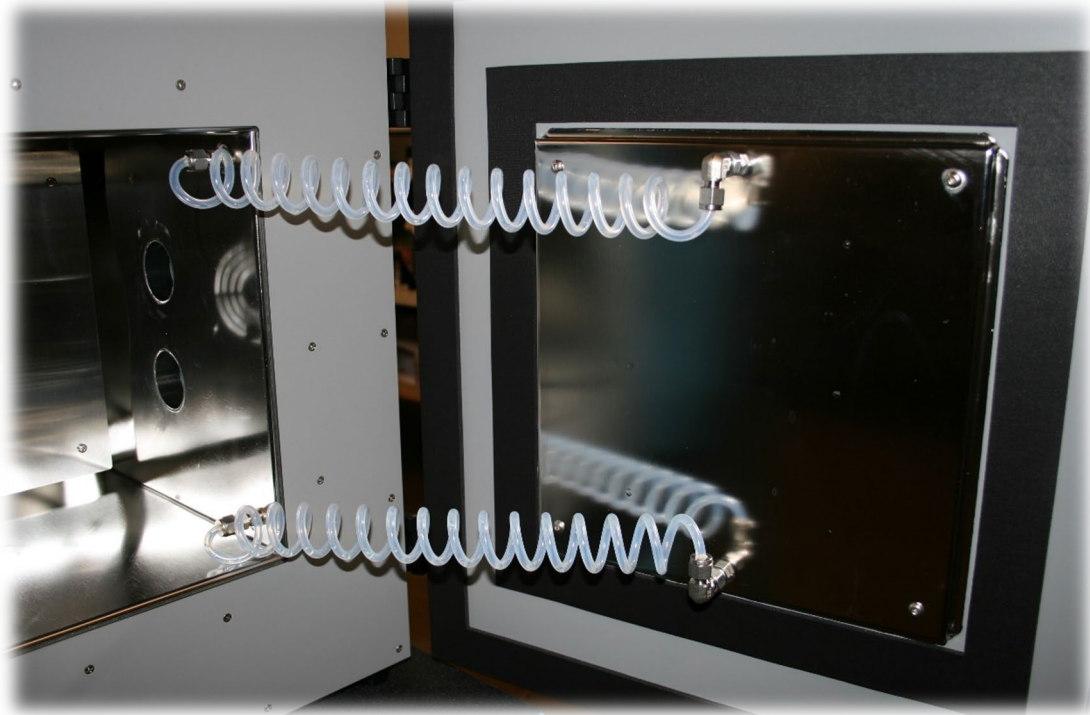
Humidity Generation and Calibration Equipment

**THUNDER SCIENTIFIC®**

**CORPORATION** THE HUMIDITY SOURCE

## *Model 2900*

### **Door Fluid Jacket Installation Procedure**



Tech Support Document TSD-0324

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623 WYOMING BLVD. SE



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## 2900 Door Fluid Jacket Installation Procedure

1. Before you begin, drain the test chamber and keep the fluid.
2. Parts provided for this procedure, pack of four 8-32 x 1.0" Pan head screws, No.8 Nylon flat washers, and Red Silicone Rubber washers.



3. Fluid jacket assembly.



4. Two fluid loop tube assemblies.



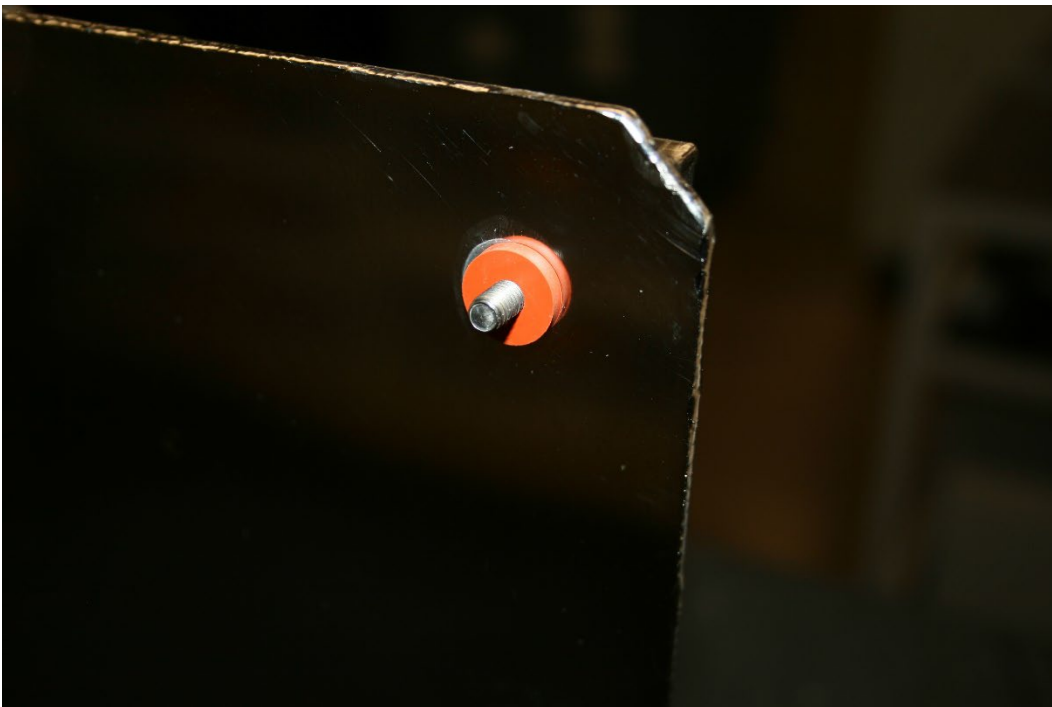
5. Remove all four screws from the door using a 3/32" Allen wrench and keep them for when the fluid jacket is swapped out. These screws serve as a moisture barrier.



6. Insert all four screws in all four corners of the fluid jacket with the Nylon washers, with the water inlet elbows face up.



7. Take the four red Silicone rubber washers and install them on the reverse side of the fluid jacket.



8. Take the fluid jacket and align the screws with the existing holes in the door.



9. Tighten each screw just enough to pull the fluid jacket on to the door panel snugly.



10. Remove the red caps from the elbows.



11. On the top elbow take one of the fluid loop tube assemblies, and make sure you take the side with the hose pointing in the downward direction and attach the nut finger tight.



12. Take the other hose and attach it to the lower elbow with the hose pointing in the upward direction and screwing the nut just finger tight.



13. Next take a 9/16" wrench and remove the plug nut at the top right of the test chamber.



14. Remove the lower plug nut.



15. Attach the top hose assembly only finger tight, position the hose so that it's vertical in line with the front gray chamber panel, then tighten with the 9/16" wrench to only 1/8 of a turn.



16. Take the bottom hose assembly and attach it only finger tight and position the hose so it just touches the chamber bottom panel, then using the 9/16" wench tighten only 1/8 turn.



17. Tighten both top and bottom nuts on the door using the 9/16" wrench tighten to only 1/8 of a turn.



18. Position the chamber door so you can get a good view of the hoses to make sure that no pinching or binding occurs. This could cause damage to the hoses.



19. This procedure is complete, now fill the chamber with the same fluid you drained from before.

Please Call 1-800-872-7728 or E-mail [support@thunderscientific.com](mailto:support@thunderscientific.com) should you have any questions.