

Humidity Generation and Calibration Equipment

**THUNDER SCIENTIFIC**  
**CORPORATION** THE HUMIDITY SOURCE

## *Model 2500*

### **Cleaning the Pressure Select Solenoid 5 Valve Procedure**



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623 WYOMING BLVD. SE



ALBUQUERQUE, NM 87123-3198  
[WWW.THUNDERSCIENTIFIC.COM](http://WWW.THUNDERSCIENTIFIC.COM)



TEL: 505.265.8701  
FAX: 505.266.6203

## Cleaning the Pressure Select Solenoid 5 Valve Procedure

1. Turn off the power to the system.



2. Remove the reservoir fill cap.

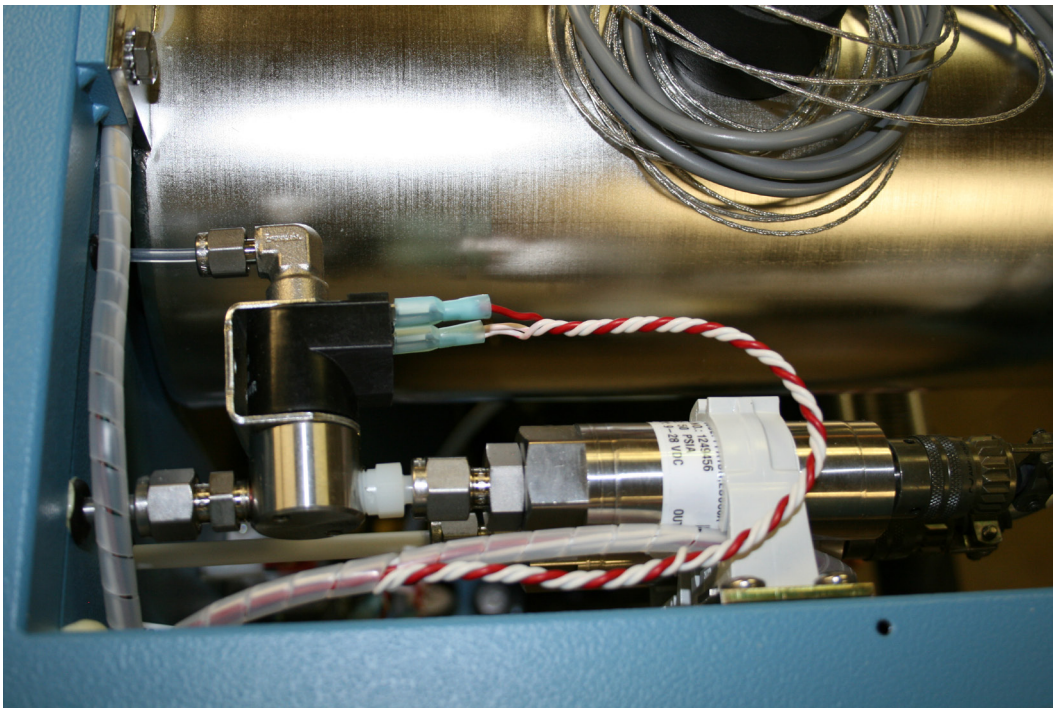




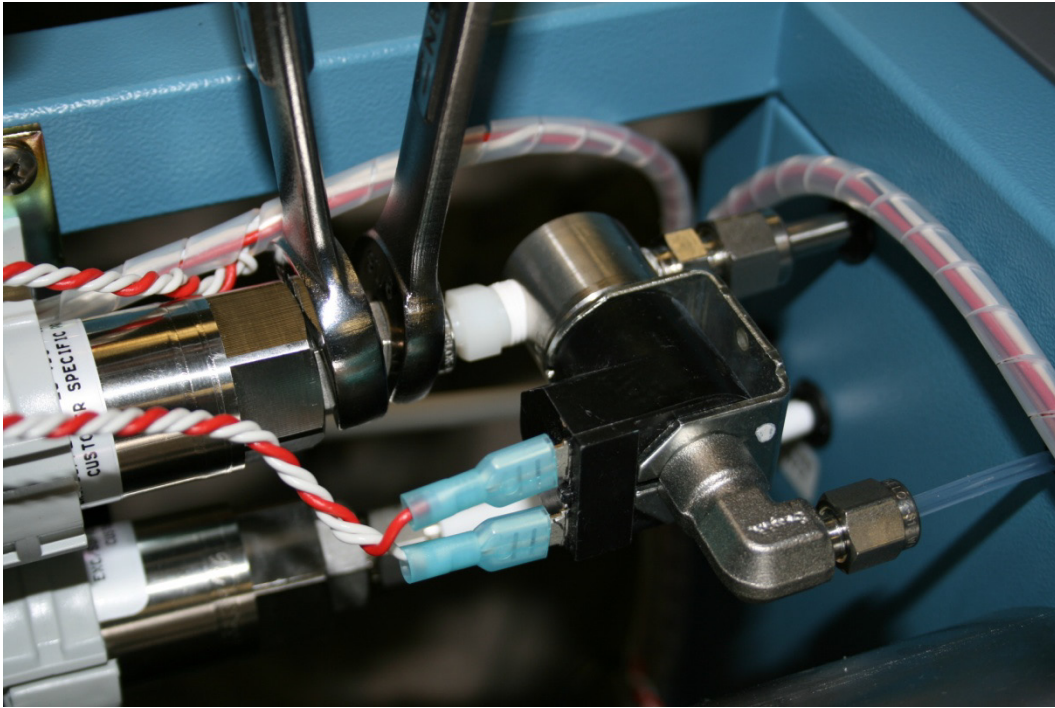
3. Remove the top left hand panel using the number 10 Torx driver provided with system.



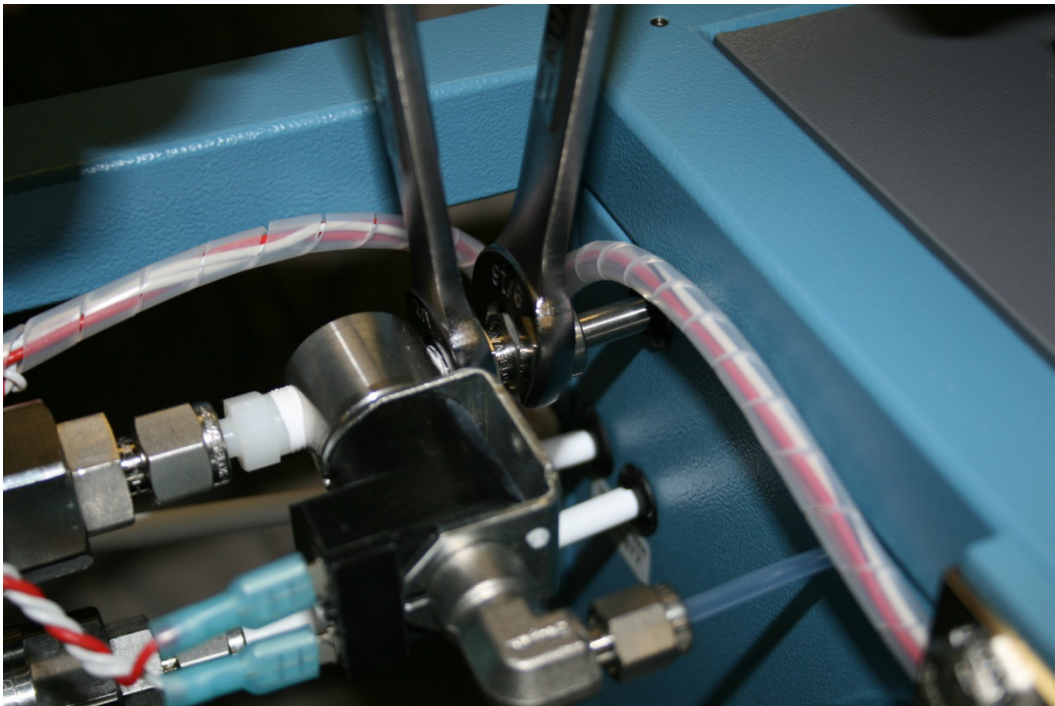
4. Locate the pressure select solenoid valve number 5.



5. Take a 9/16" wrench and an 11/16" wrench and use the 11/16" wrench as a backup to hold the transducer and loosen the 9/16" nut.

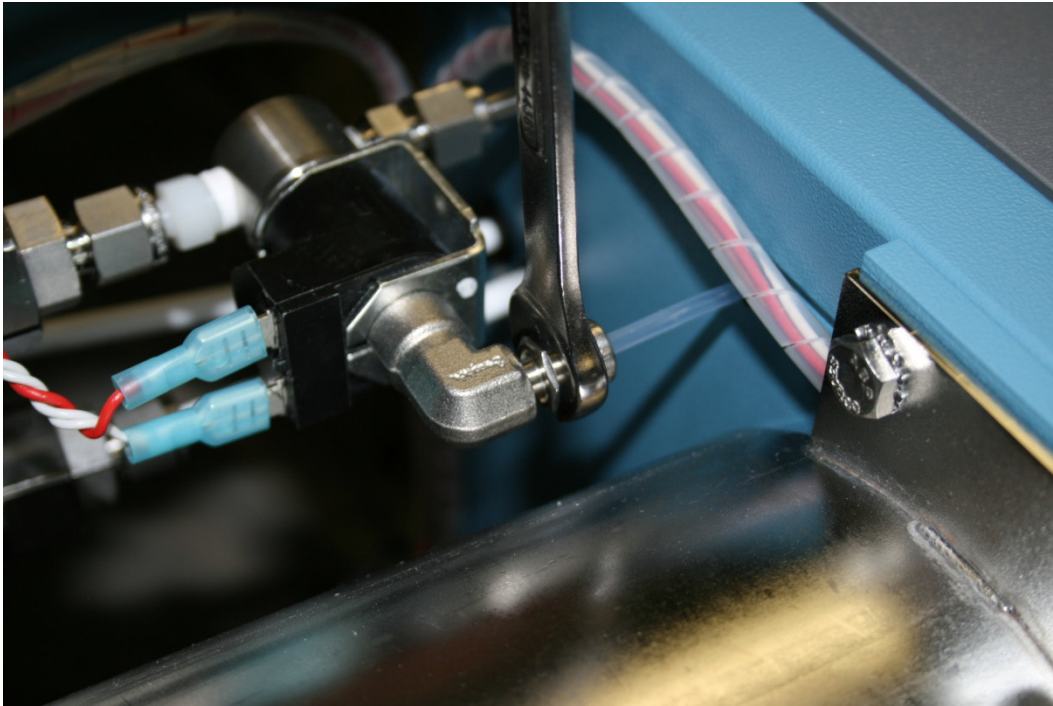


6. Next take a 1/2" wrench and use it as the backup wrench and use the 9/16" wrench to loosen the nut.





7. Use a 7/16" wrench to loosen the nut at the elbow.



8. Pull back the nut you just loosened.



9. Pull back the other two nuts and remove the valve.



10. Carefully pry off the wire connectors.

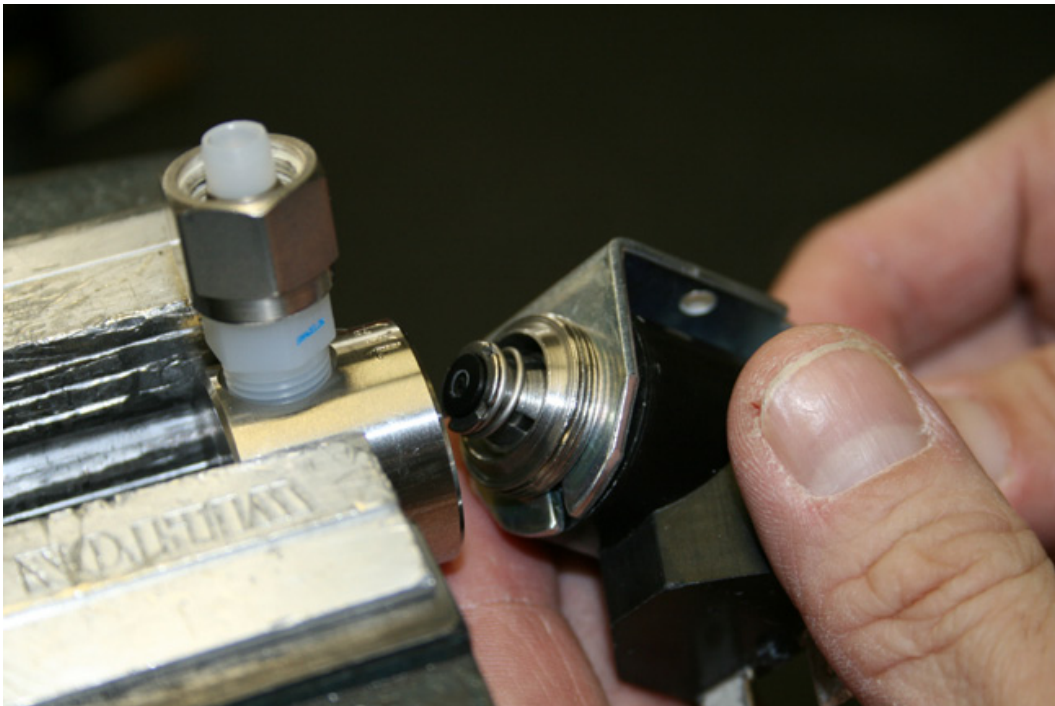




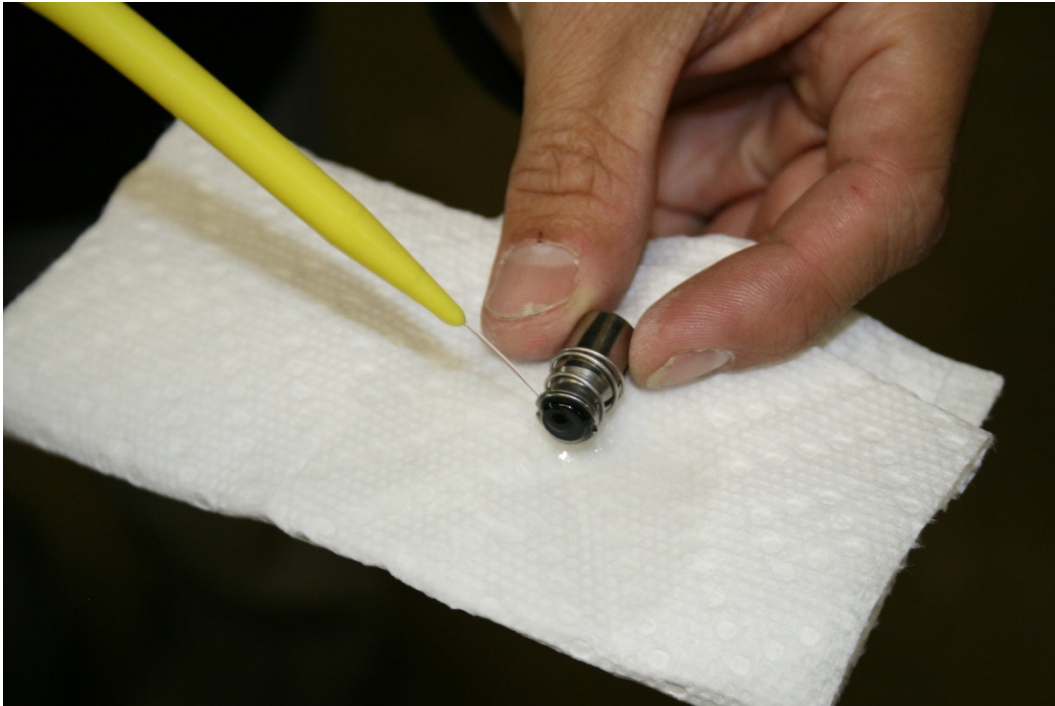
11. Take the valve to a work bench and place the stainless steel body in a vice. Using a 1/2" wrench, remove the elbow.



12. Turn out the solenoid component carefully.



13. Remove the plunger and clean completely with alcohol.



14. Remove the o-ring from the base of the valve and clean with alcohol, then apply silicon grease and put it back inside the valve body.





15. Clean inside the solenoid body using alcohol.



16. Use a swab to remove any debris and dry completely.



17. Insert the plunger back in the solenoid body.



18. Put the valve assembly back together and into the system in reverse order, starting from step 12.

Please Call 1-800-872-7728, Fax 1-505-266-6203, or E-mail [support@thunderscientific.com](mailto:support@thunderscientific.com) should you have any questions.