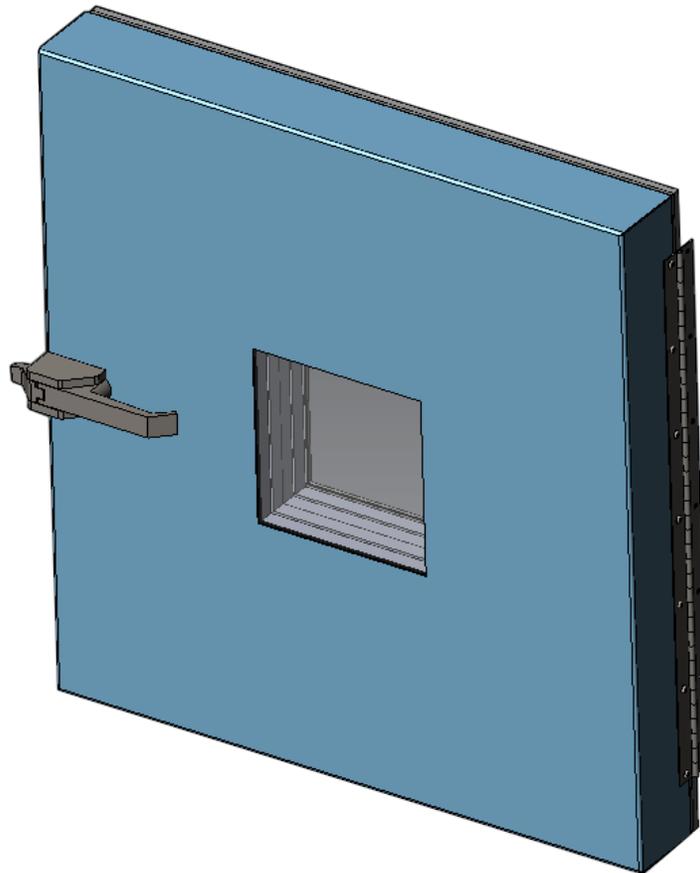


Humidity Generation and Calibration Equipment

THUNDER SCIENTIFIC
CORPORATION THE HUMIDITY SOURCE

Model 2500ST

Door Gasket Replacement Procedure



Tech Support Document TSD-0255
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2500ST Door Gasket Replacement Procedure

1. Materials needed for cleanup and installation, acetone and soapy water or Windex.



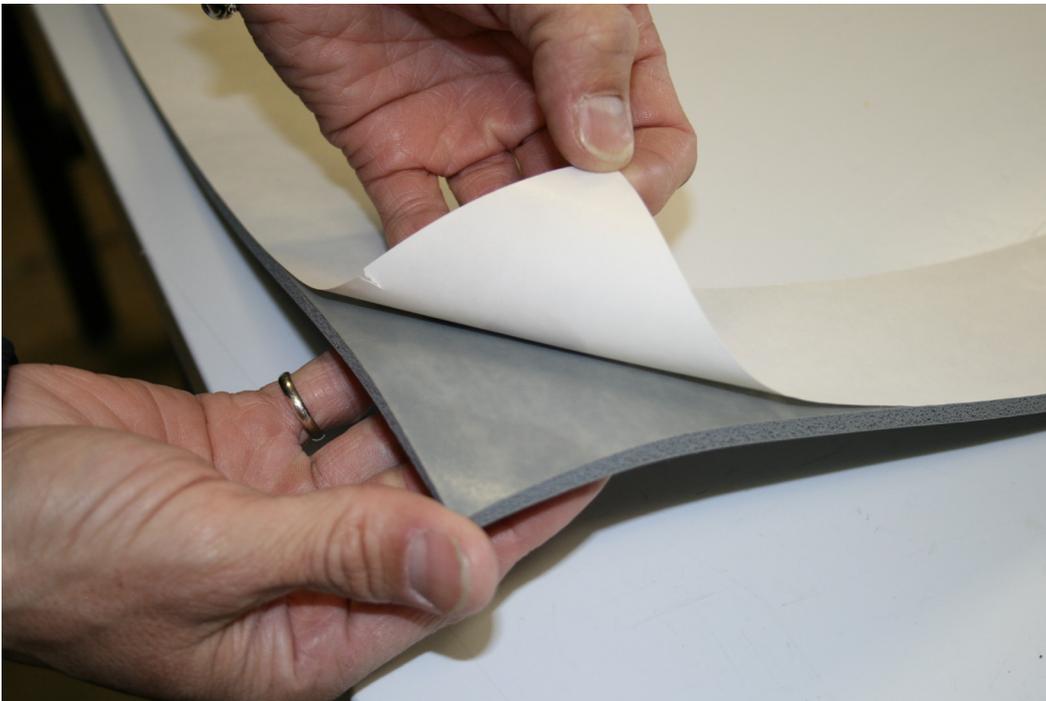
2. When removing the chamber door it is advised to use two people when performing this task. Remove only the chamber side screws from the hinge.



3. Peel off the old gasket and clean remaining residue with acetone and avoid painted surfaces. Wear gloves.



4. Lay the new gasket on flat surface with the paper side up and slowly peel paper the backing off.



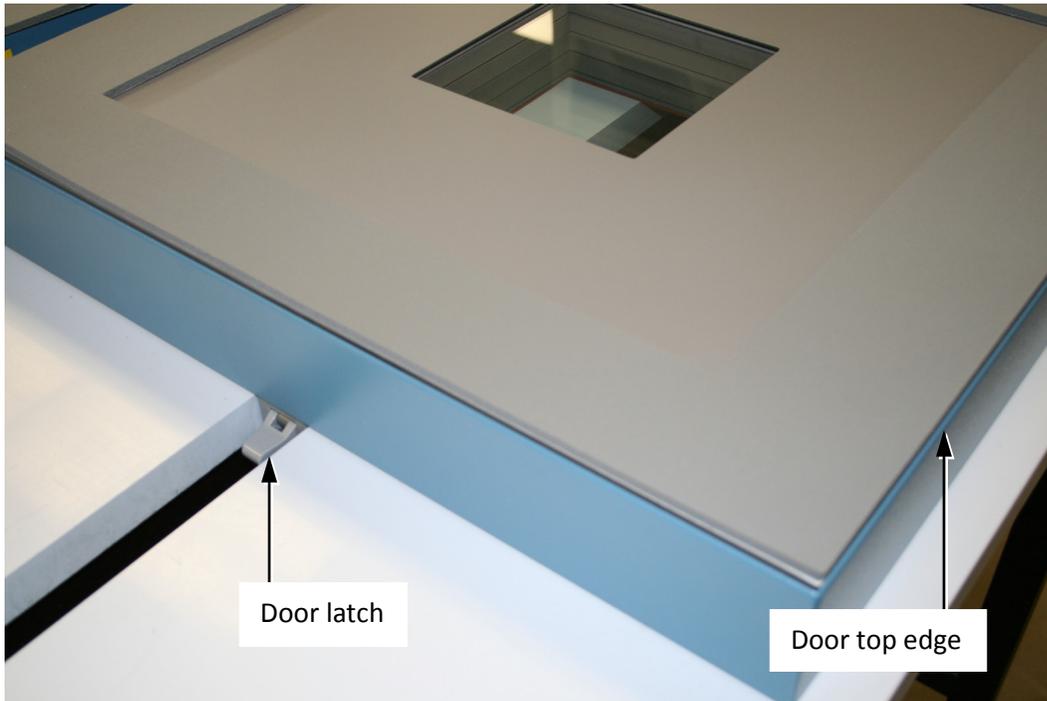
5. **Important:** using Windex or soapy water, apply a generous amount to adhesive surface. Repeat on plastic door surface.



6. Working quickly; smear around the soapy water where the gasket will be.



7. Make sure the door is raised up so the door is not resting on the door latch.



8. Grasp the gasket at the corners and align on door using the edges as the alignment guide.



9. When final alignment is achieved smooth out the liquid. The gasket should dry thoroughly in 4 to 6 hours.



10. Door installation can now be preformed.

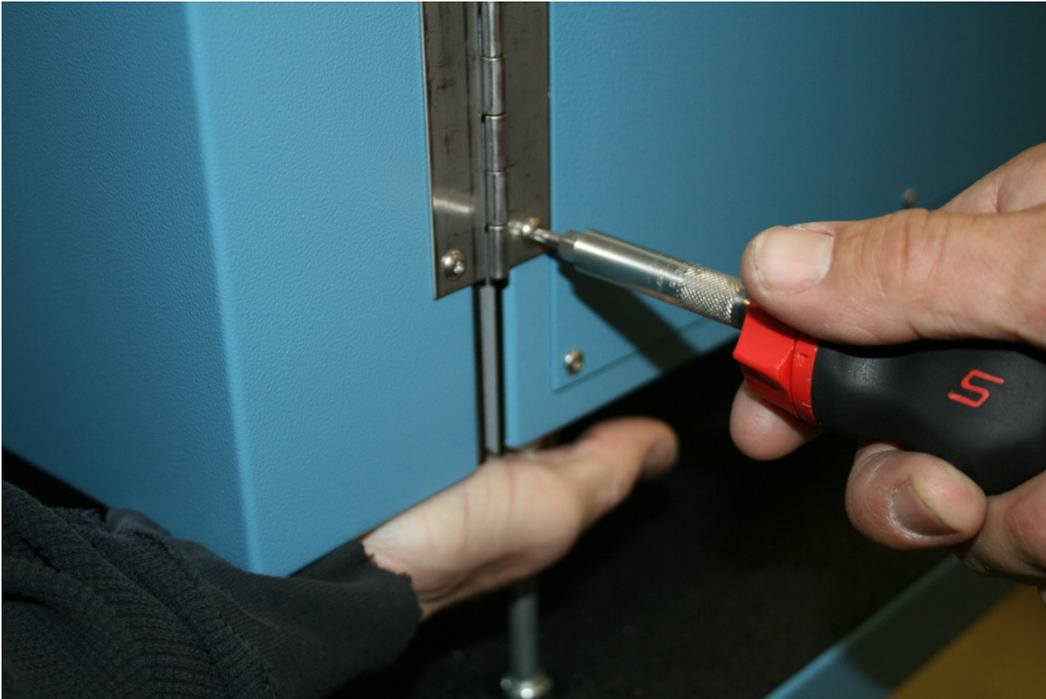


11. When installing the door, this is a two person operation due to the weight of the door, and installing the screws.

12. While one person holds the door the other will insert the first screw at the top and leave the screw loose.



13. The next screw added will be at the bottom and leave it loose. Insert all the screws and snug up, all of them but allow some movement.



14. Close the door latch 1/4 closed to help support the weight of the door and to use this as a gauge for how much adjustment will be needed.



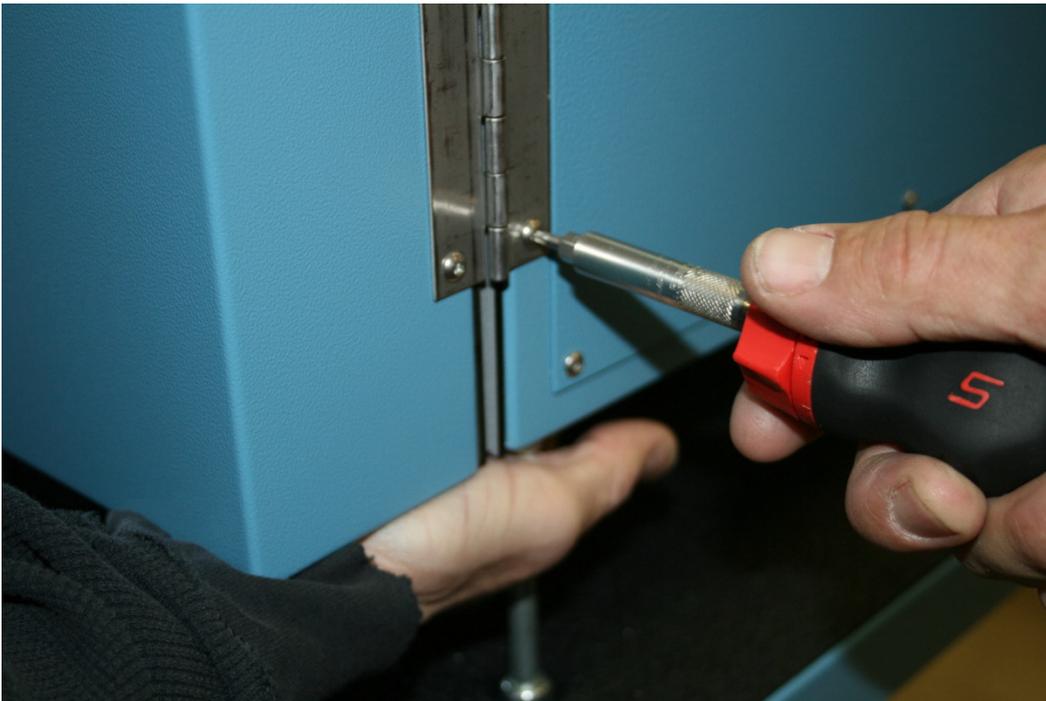
15. Look at the hinge end of the door to see if there is a gap between the gasket and the chamber plastic. Adjustment is needed in this case.



16. Open the door slightly once all the screws are in. Push on the bottom of the door at the hinge side of the door. This should push the door closer to the front chamber plastic panel and close up the gap.



17. Tighten the bottom screw first.



18. Next tighten the top screw and snug up the rest of the screws.



19. Shut the door and see if the latch has too much tension on it. Make sure the gasket gap and latch tension are all in a good state of balance.



20. Check to see if there is a gap between the gasket and the chamber plastic at the hinge side of the door. If a gap is present, repeat steps 16 through 18. If no gap is present, this will offer the ideal seal for the door.



21. After you have closed the door all the way, if full closure does not occur then readjustment is needed. Follow the same steps 16 through 18 as before to get the best seal.



22. This is the optimal spacing for the hinge to be away from the chamber side panel.



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