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Instruction Sheet

Subject: USE0050 Touch Pad Replacement

TOUCH PAD & CONTROL BOX REPLACEMENT

⚠Warning

Authorized Service Representatives are obligated to follow industry standard safety procedures, including, but not limited to, local/national regulations for disconnection/ lock out/tag out procedures for all utilities including electric, gas, water and steam..

DANGER

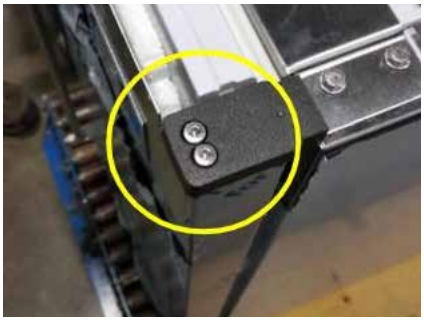
Disconnect electric power to the ice machine at the electric switch box before proceeding. Failure to disconnect the power at the main power supply disconnect could result in serious injury or death. The power switch DOES NOT disconnect all incoming power.

Important

The touch pad itself is not available as a separate part. A specialized jig is required to install the touch pad to the control box without damage to the circuits. Removing/replacing the touch pad incorrectly will cause irreparable damage that is not covered under warranty.

Remove the Control Box

1. Disconnect and lock out/tag out power.
2. Remove top door hinge and door.
   A. Remove the top plastic door trim and end trim.
   B. Remove top cover from hinge to access the hinge fasteners.
   C. Remove two allen screws from the top of the door and lift door panel off of the two bottom allen screws.





NOTE: There are nylon washers for each bottom allen screw and one plastic bushing for the outside screw, do not misplace these parts they help the door swing smoothly.

3. Remove two screws and lift ice machine top cover off.
4. Remove the screw securing the control box cover, then remove the cover and plastic shield.
5. Remove the metal support bracket above the front of the control box.
6. Disconnect all electrical connectors. Take note of wire routing and connector locations, as both are critical.



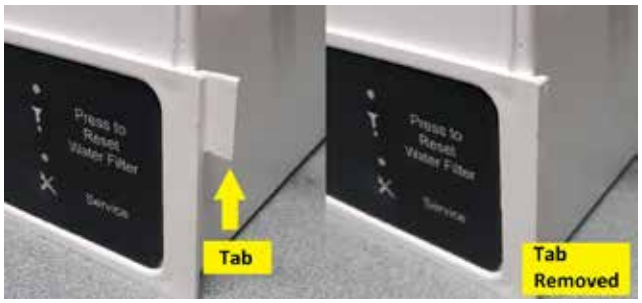
7. Remove the following components from the control box:
   A. Remove control board and contactor (minding ESD protocol and handling the board by the edges).
   B. Door light reed switch - Pull upward to remove.
   C. LED assembly - Remove dome cover, then slide LED light downward to remove.
   D. LED rubber grommet - Pull up and remove through control box.
   E. Remove the two foam sealing blocks from the wire harness channels.
8. Remove the control box:

NOTE: Due to wire harness interference the control box can not be lifted directly upwards.

   A. The control box must be lifted upwards slightly with both wire harness pushed to the back of the channel openings. Be careful not to pinch any wires.
   B. Lift the control box as far as it can go, the box must be tilted such that the touch pad on the front of the box faces upwards. There are plastic tabs on either side on the control box that must clear the sheet metal. Once the touch pad is facing upwards, the box can be pulled out of the cabinet and clear of the wire harnesses.

Install the New Control Box

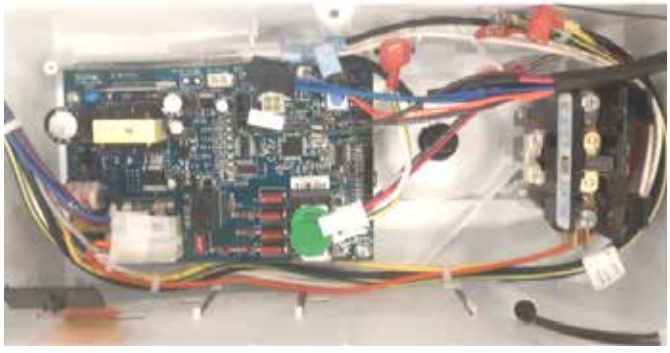
9. Perform this step if the plastic tabs are not removed:
   Before installing the new control box (with the touch pad already adhered), break off the small tab on either side of the control box. This can be done by bending the tabs backward until they break off.
   Scoring the tabs with a utility knife prior to breaking the tabs provides a cleaner break.



10. Install the replacement control box by reversing the procedures in step 8.
11. Reinstall control box components removed in step 7. Take special care of the touch pad ribbon/cable as it can tear easily if snagged or pulled.

Wire harness routing:

- The 9 pin high voltage wire harness must be routed to the bottom front side of the control board and follow along the perimeter of the box (around the contactor).
- The low voltage wire harness must be routed behind the contactor and will be retained by the foam blocks.
- The touch pad ribbon/cable will be installed last to allow the ribbon/cable to rest flat on top of the other wire harnesses.

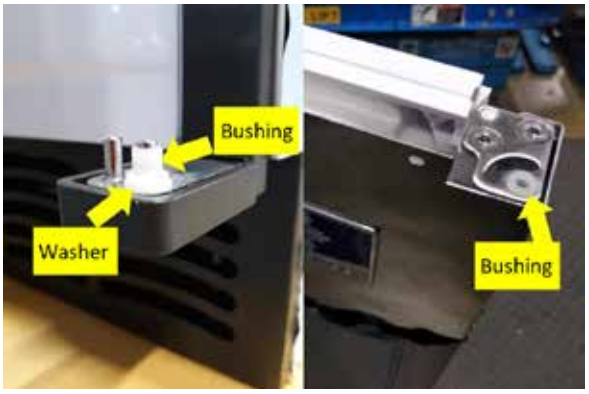


12. Reattached all wire connections removed in step 6.





13. Place the plastic shield on top of the ribbon/cable. The shield will be secured when the metal support bracket is installed in step 16.
14. Install a wire clip on the back wall of the control box, just to the right of the plastic shield and secure the touch pad ribbon/cable to the wire clip.
15. Reinstall the foam blocks in the wire harness channels on both sides of the control box to seal the wire channels.
16. Reinstall the metal support bracket removed in step 5 to lock the control box in place and capture the plastic shield.
17. Reinstall the plastic control box cover.
18. Install the door hinge assembly and door by reversing hinge removal in step 2.



NOTE: Verify the nylon washers and bushings are in place on the bottom and top of the door.

19. Replace the plastic end trim on each end of the door.
20. Reinstall the top plastic door trim.



NOTE: The locking tabs are different on each side of the top door trim. Place the smaller diameter tabs into the sheet metal, then snap the large tabs into the plastic door backing.

21. Reinstall top cover and secure with screws.
22. Reconnect power and test run the ice machine to verify all touch pad buttons function correctly.