

40000 Series

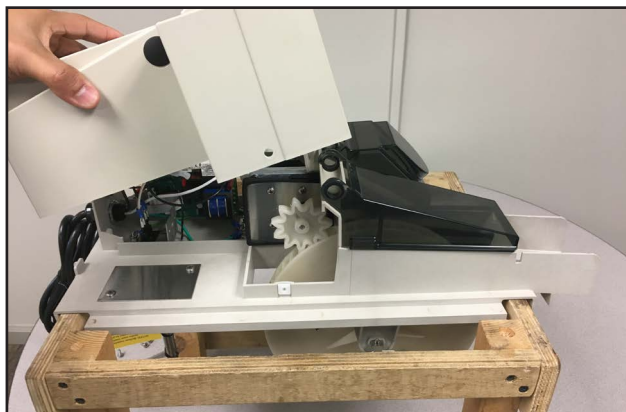
Control Board Replacement (PBCBA-RC-1)



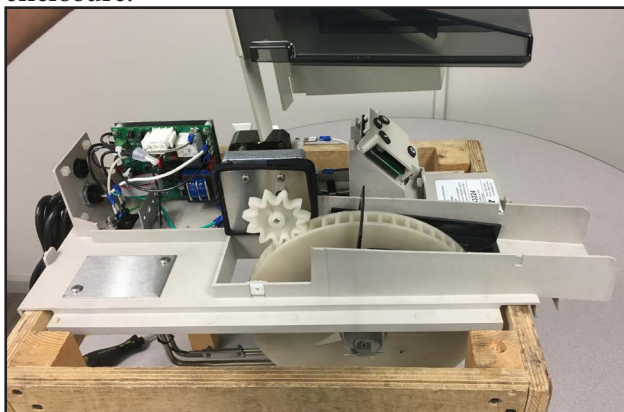
1. Unplug Electrical Assembly and move to a location with adequate workspace.



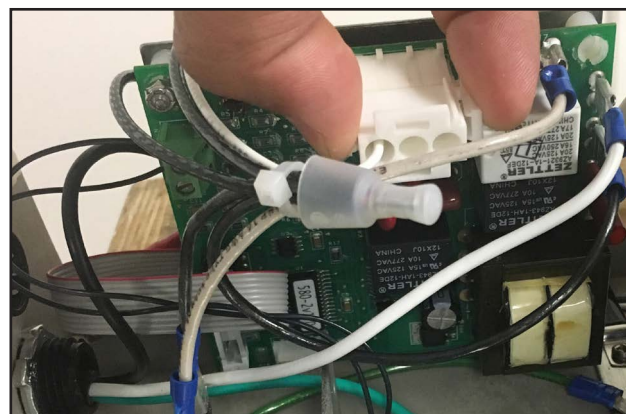
2. Remove (2) screws from the front enclosure, (2) on each side and (4) from the rear enclosure.



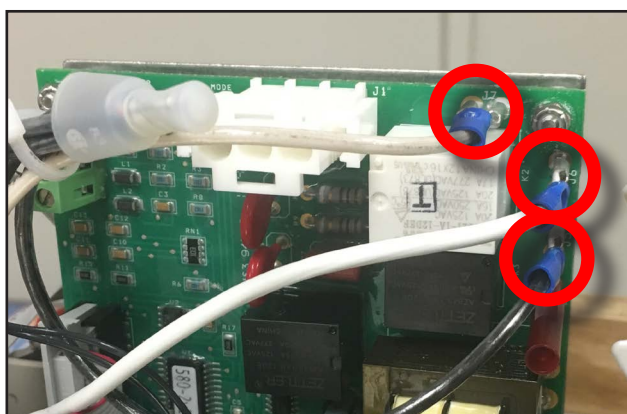
3. Lift cover up and remove rear enclosure.



4. Lift front enclosure and remove.



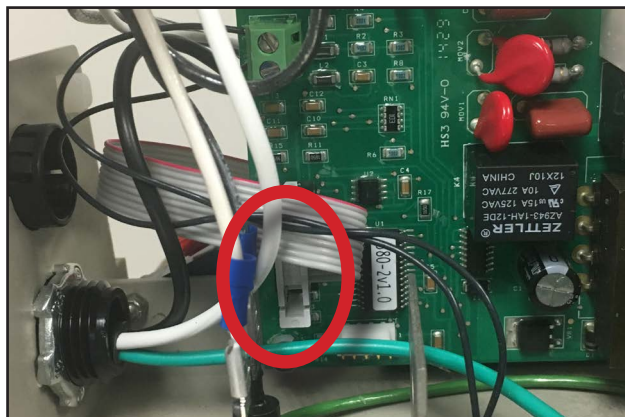
5. Locate the Control Board and disconnect the white tab connector by pushing tabs in, to disconnect. (As shown on illustration above.)



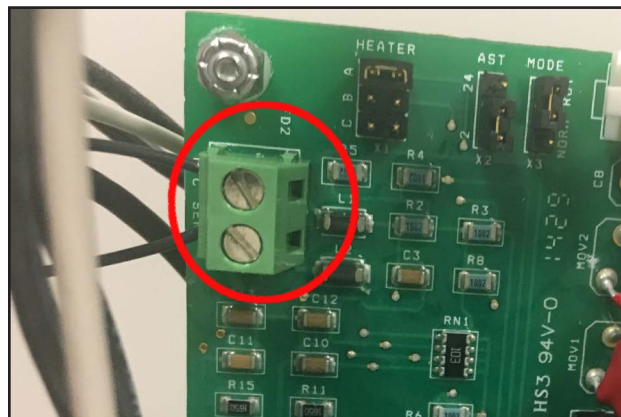
6. Disconnect the (3) wires illustrated above in red. (Needle nose pliers may be required to disconnect.)

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7. Disconnect gray ribbon by pulling outer tabs out and removing.



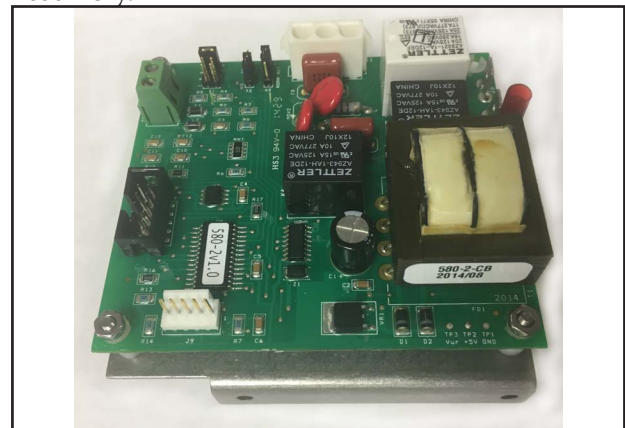
8. Disconnect the Heater/Thermostat wire by loosening the screw with a flat head screwdriver. (Do not remove screw completely.)



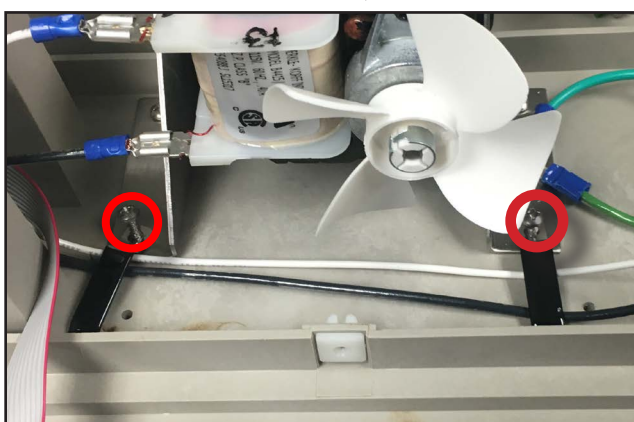
9. Remove (2) screws on the rear part of the control board and remove board from Electrical Assembly.



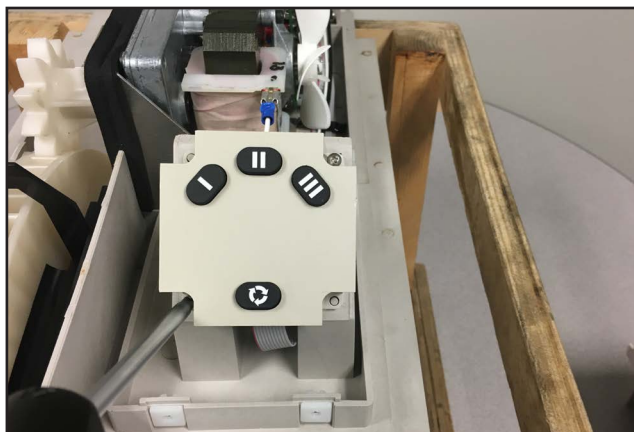
10. Remove (3) screws holding metal plate on control board. (Use a philip screwdriver and 1/4 nut driver for easier access.)



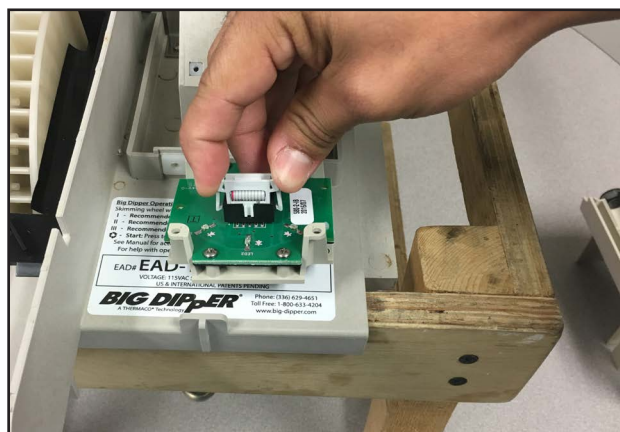
11. Place new board on metal plate and reuse (4) screws to secure metal plate.



12. Remove screws holding the plastic strip for the Push Button ribbon cable.



13. Remove (2) screws from Push Button Interface Board and pull back gently.



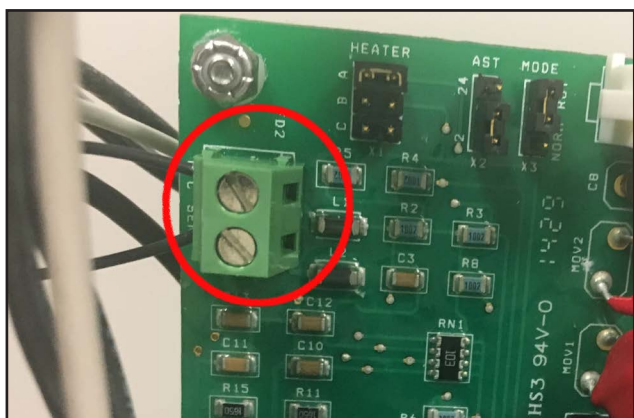
14. Disconnect Push Button ribbon and install new ribbon.



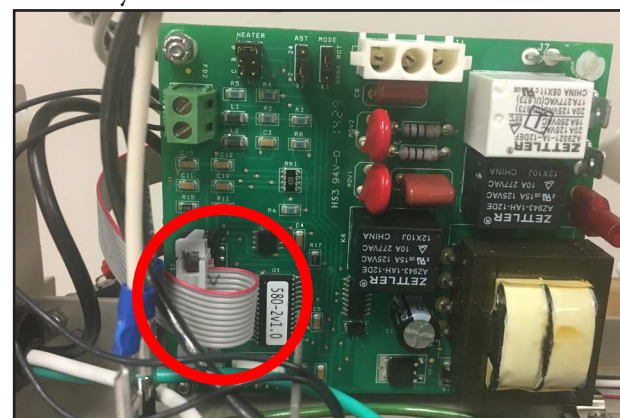
15. Install new ribbon under plastic strip and secure each strip with screw.



16. Place board on Electrical Assembly and reuse (2) screws to secure board on Electrical Assembly.



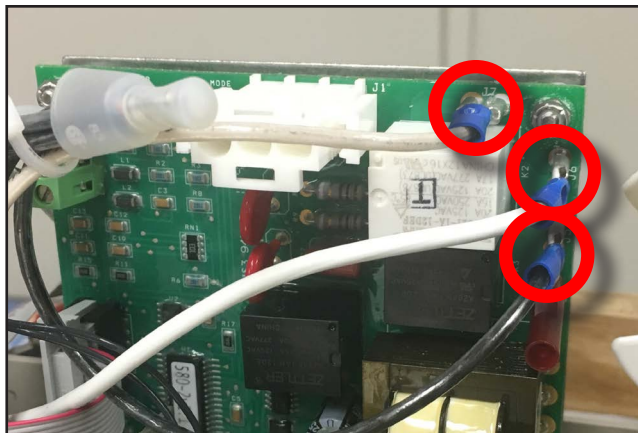
17. Connect Heater/Thermostat wire and secure screw with flat head screwdriver.



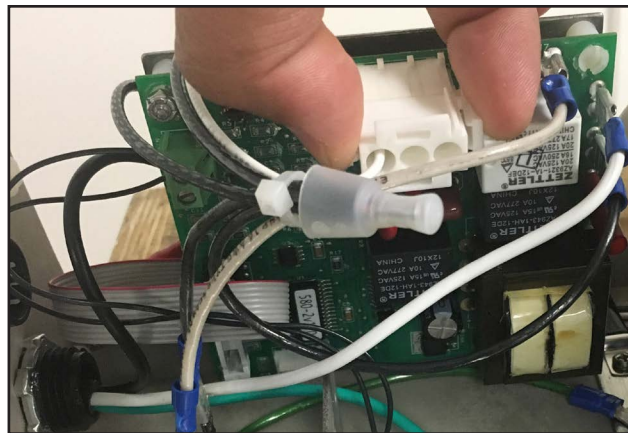
18. Connect Gray Push Button ribbon cable.

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19. Connect the (3) wires illustrated above.



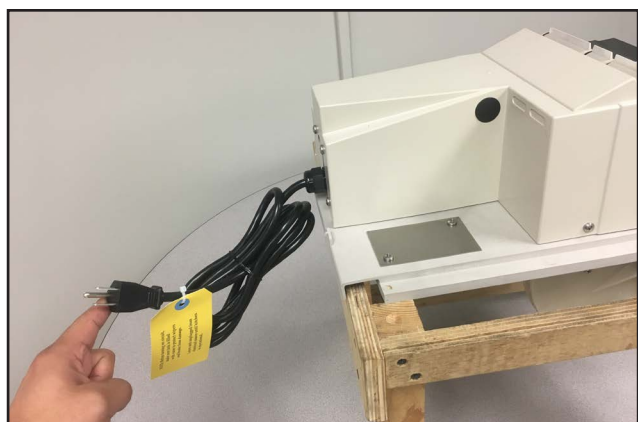
20. Connect the white connector illustrated above.



21. Install Push Button Interface Board and reuse (2) screws to secure board.



22. Replace the front and rear enclosure covers and secure with (2) screws in the front enclosure, (2) on each side and (4) on the rear enclosure.



23. Place Electric Assembly in tank and connect unit to a power source.