

UHC-HD LON Board and Related Component Removal

Follow these instructions to remove a failed LON board or related electrical filter from a UHC-HD cabinet.

1. Remove power from unit.
2. Remove screws at the base of each side and remove sides.
3. Remove screws securing top to cabinet.
4. Identify boards to be removed. See **Figure 1**, **Figure 3**, an annotated wiring schematic.
5. Trace wires from LON board back to relay, removing wire ties as necessary in the harness.
6. Remove LON board's black and white wires from relay piggyback connections. Reconnect wires unrelated to LON board back to the relay.
7. Remove data cable connecting LON board to COM board.
8. Remove LON ground from ground lug.
9. Remove LON board.
10. Cut and strip black and white wires from the six-wire filter. Join white wires together with a single splice. Join black wires together with splice. See **Figure 2**.
11. Remove filter.
12. Cut two black wires from two-wire filter.
13. Join wires together with splice.
14. Remove filter.
15. Reroute wires, securing with wire ties as necessary.
16. Return power and test unit.
17. Return sides and top and return to service.

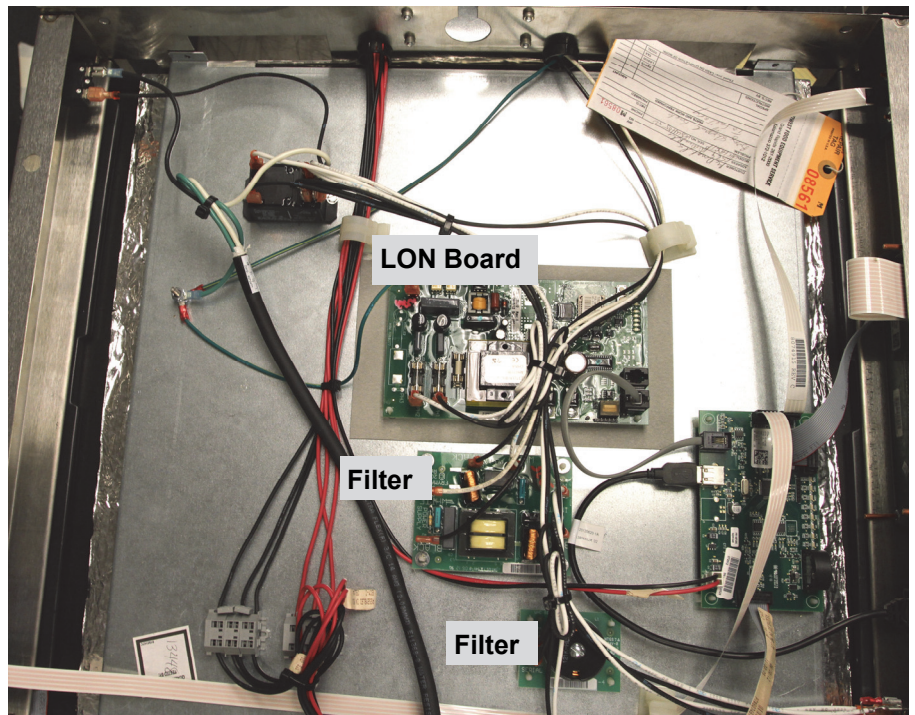


Figure 1: LON board and related filters in a UHC-HD cabinet without fans. The process for cabinets equipped with fans is the same and the component locations are similar. Fan-equipped cabinets have the power supply on the top component shelf rather than the side.

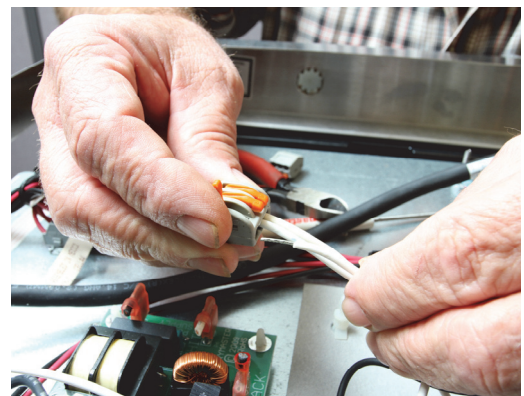


Figure 2: Connect the three white wires from the six-terminal electrical filter with a common splice. Connect the three black wires from the board with a common splice.



Remove wire from LON board and remove from piggyback connection on relay. Remove LON board.

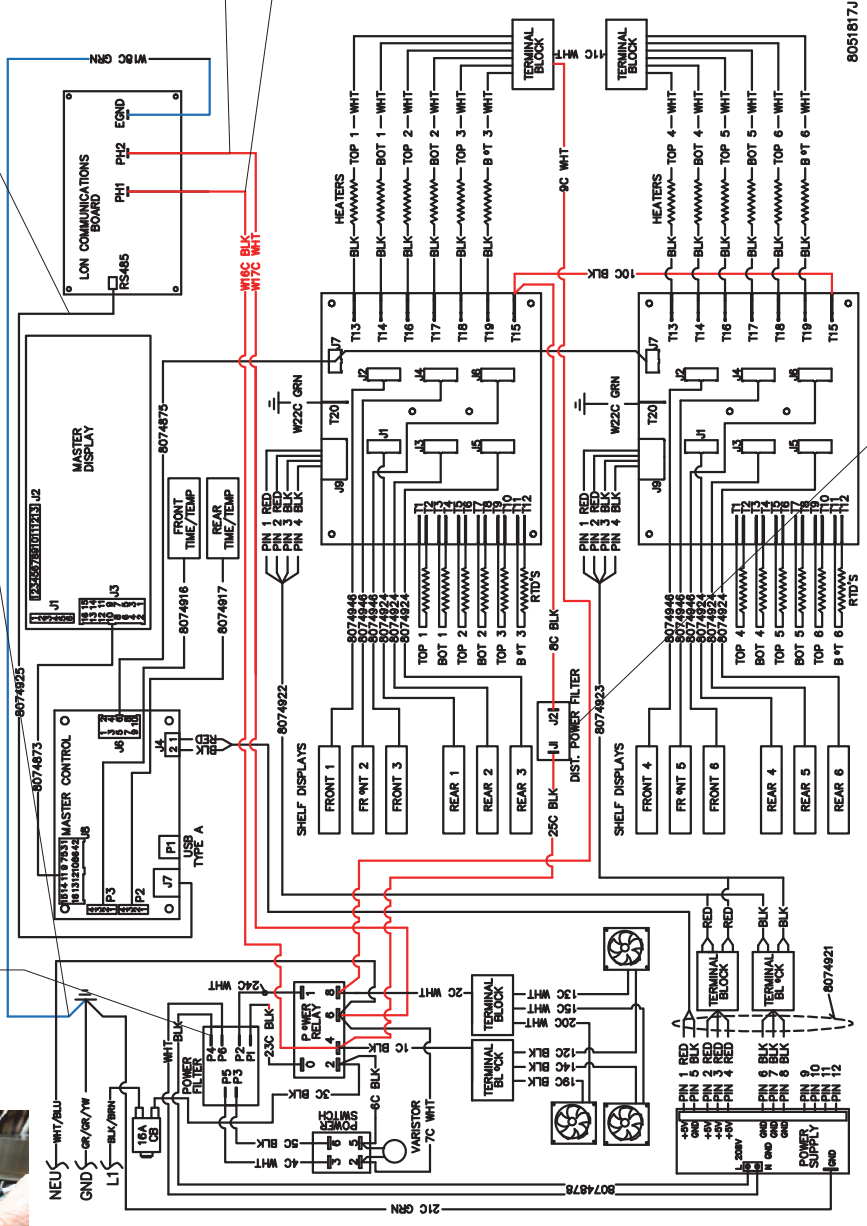
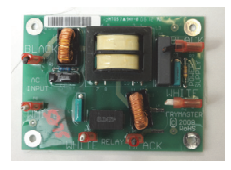
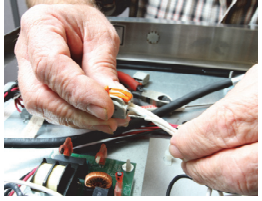
Remove wire from LON board and remove from piggyback connection on relay.

Remove data cable connecting LON board to COM board.

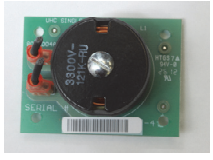
Remove LON ground wire from ground lug and reattach other grounds.



Remove three white wires and three black wires from the power filter. Join the black wires together; join the white wires together. Remove filter.



Remove the two black wires from the power filter. Join them with a splice. Remove power filter.



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