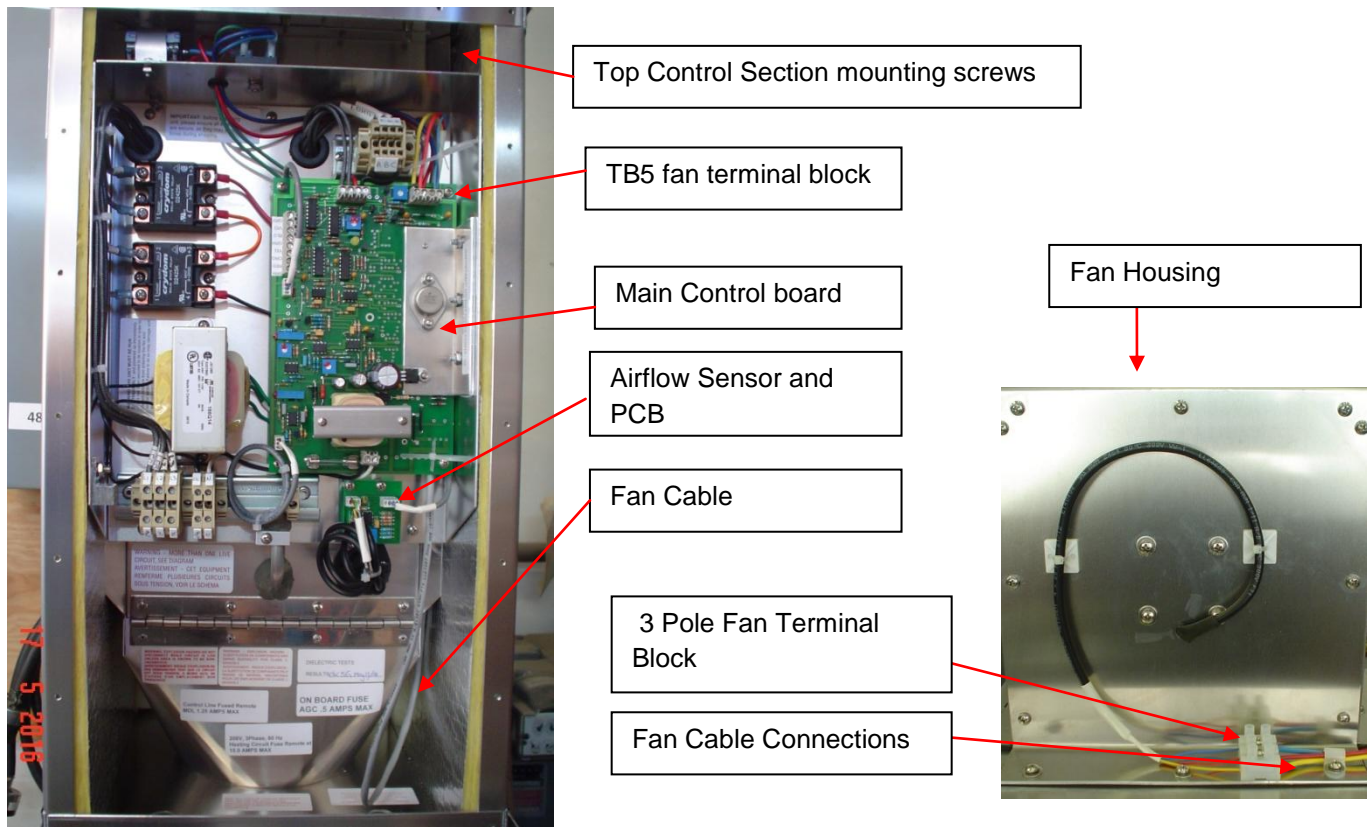


IMPORTANT – READ THE FOLLOWING

Instructions for TachOP Upgrade for MDH-HC Series Fans



1. Shut off both the heating circuit (TB8) and the control circuit (TB7) to the blower heater.
2. Remove the Louver section to expose the fan
3. Disconnect fan at 3 Pole Terminal in Fan Housing and swap the 3 pole terminal with the 4 pole terminal provided. Disconnect fan at TB5 and pull fan cable free and out to the bottom of the unit. Notice the fan cable comes down from the fan base behind the heat exchanger and the new cable must remain behind the heat exchanger in the insulated area.
4. Feed the new fan cable provided back through the grommet and down behind the heat exchanger (between the heat exchanger and insulation) and out the bottom of the unit as above. Short ends go on top to connect at the 4 pole terminal in fan housing and the long ends go to the bottom.
5. Feed the yellow, blue and red wires up behind the main control board to connect to TB5.
6. Make proper connections to the new 4 pole fan terminal, matching fan wire colors.
7. Make proper connections at TB5 as per wiring diagram attached.
8. Disconnect the 2 jacks from the Airflow Sensor PCB and remove the PCB.
9. Mount the New TachOP PCB in its place.
10. Connect the jack from the main board into the 4 pin terminal block and the yellow fan wire to either terminal on the 2 pin terminal.
11. Remove the Airflow Sensor and plug the holes with the plastic plug provided and replacing the mounting screws ensuring all holes are plugged so no moisture or fumes enter the control section.
12. Test the TachOP function by turning the unit on, confirm there is airflow and that the Status Board “No Air” LED and LED on TachOP PCB are not lit up. Disconnect the Positive lead (red wire) at TB5, this should stop the fan. The “No Air” on the Status Board should light up as well as the LED on The TachOP.
13. Apply the new adhesive backed internal wiring diagram provided over the existing diagram on the cover panel to update drawings.
14. Reconnect the red wire, check all connections, ensure all holes are sealed and replace the cover using all the screws provided