

This replacement kit, part number H690-0130, H690-0131, or H690-0134, retrofits a J-series circuit board into a H-series humidifier.

This kit contains one circuit board H690-0114 (shown at right), one or two wire harnesses to connect to the current sensing transformer (doughnuts). Units with mounted or remote blower packs will also receive one replacement blower S/A kit with harness to replace the fans inside the existing blower pack.

INSTALLATION PROCEEDURE

1. Disconnect all electrical power to humidifier.
2. Remove cover panels from the electrical compartment.
3. Take a picture of the wiring of the H-series circuit board to have as a reference. Pay particular attention to controls connections.
4. Disconnect all wires from the H-series circuit board and remove the board from the unit.
5. Mount the new J-series circuit board in to the cabinet.
6. Wire new board using instructions and wiring diagram on the following pages. Use picture of H-series board for reference.

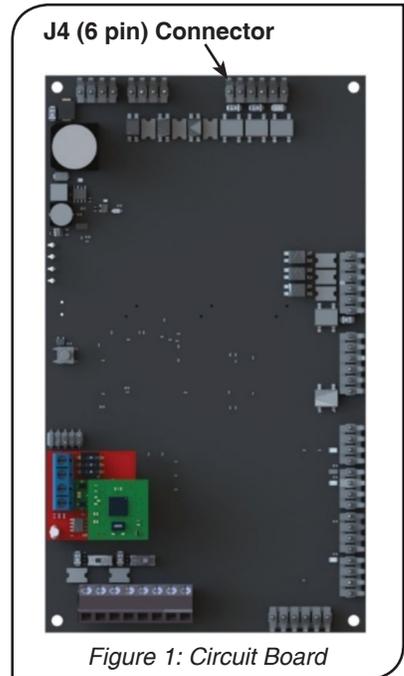


Figure 1: Circuit Board

WIRING IN J-SERIES BOARD

1. The J-series board will not require the small cooling fan located next to the board. Do not connect the fan wires to the new J-series board. (Figure 2)
 - a. You may remove the fan from the cabinet or leave it in with the wires disconnected.
2. Connect all wiring, **except the current sensor doughnuts**, to the new J-series board in the same way it was connected to the H-series board that was just removed. Reference the picture taken if unsure of connections.
3. The high water and door interlock connection will now be on the bottom right of the board.
4. This retrofit kit for the J-series board has a new cable(s) supplied. The cable(s) is to connect the current sensing transformer “doughnuts” to the J-series board. Depending on your humidifier model there may be two retrofit cables.
5. Leave old current transformer cables disconnected. Reference the attached wiring diagram for proper wiring of the J-series circuit board.

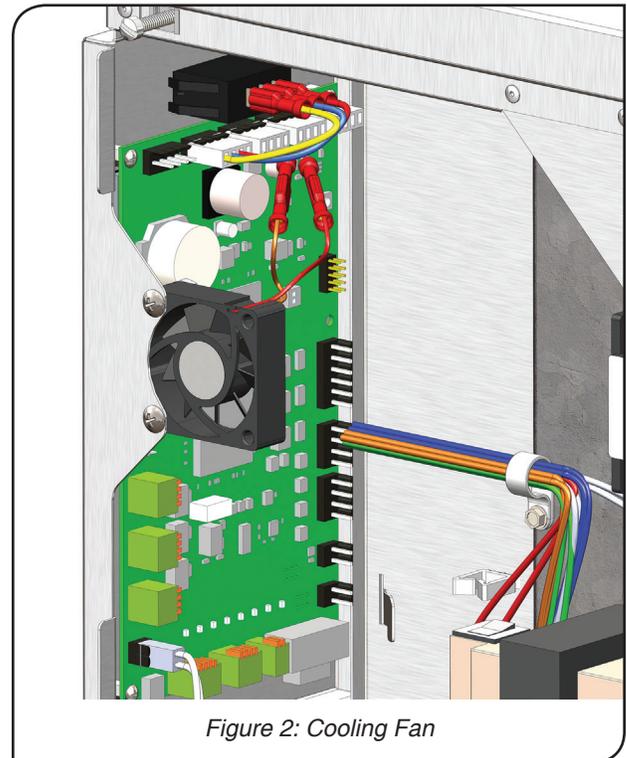
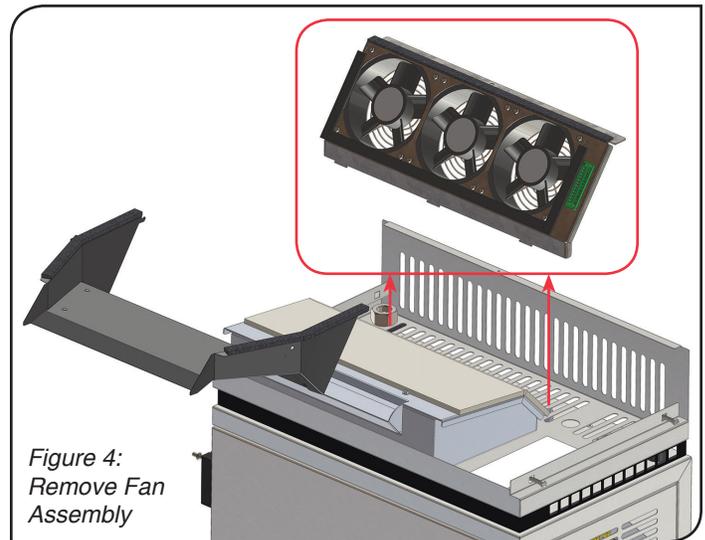
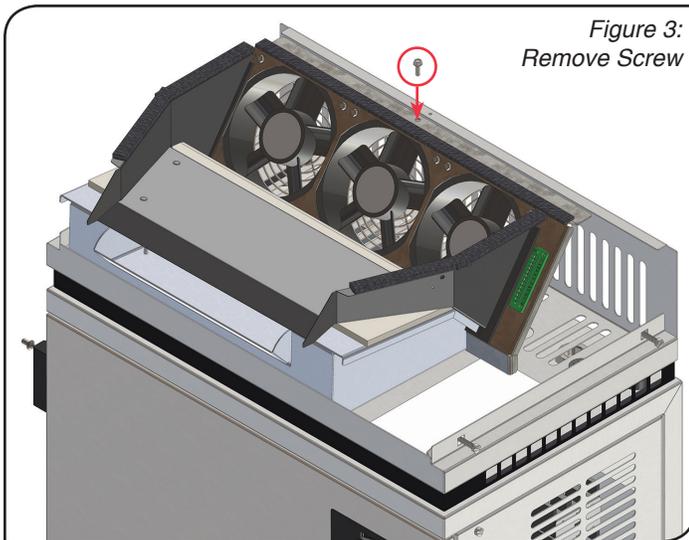


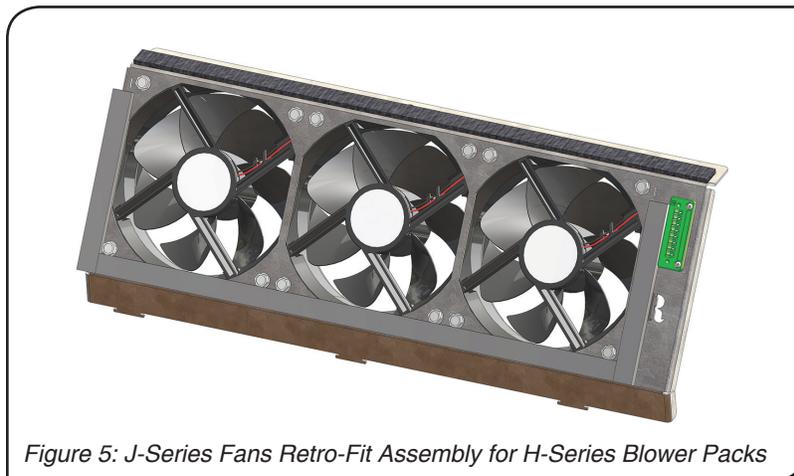
Figure 2: Cooling Fan

WIRING IN J-SERIES BOARD W/ MOUNTED OR REMOTE BLOWER PACK

1. Follow the previous steps to replace and wire in the new J-series board.
2. To replace the fans, remove the four screws holding the blower top in place and remove the top of the blower pack.
3. Unplug the fan assembly from control cable.
4. Remove the one screw holding the fan sub assembly bracket in place and remove the fan sub assembly.

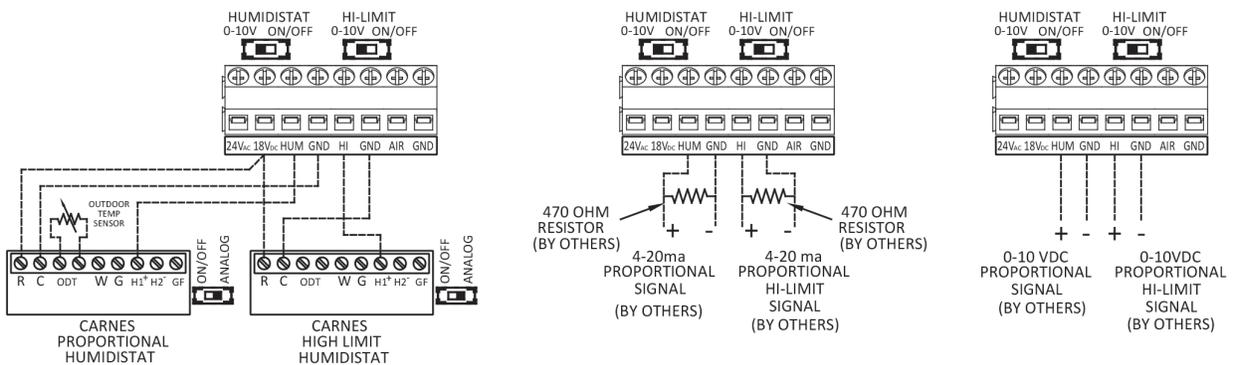
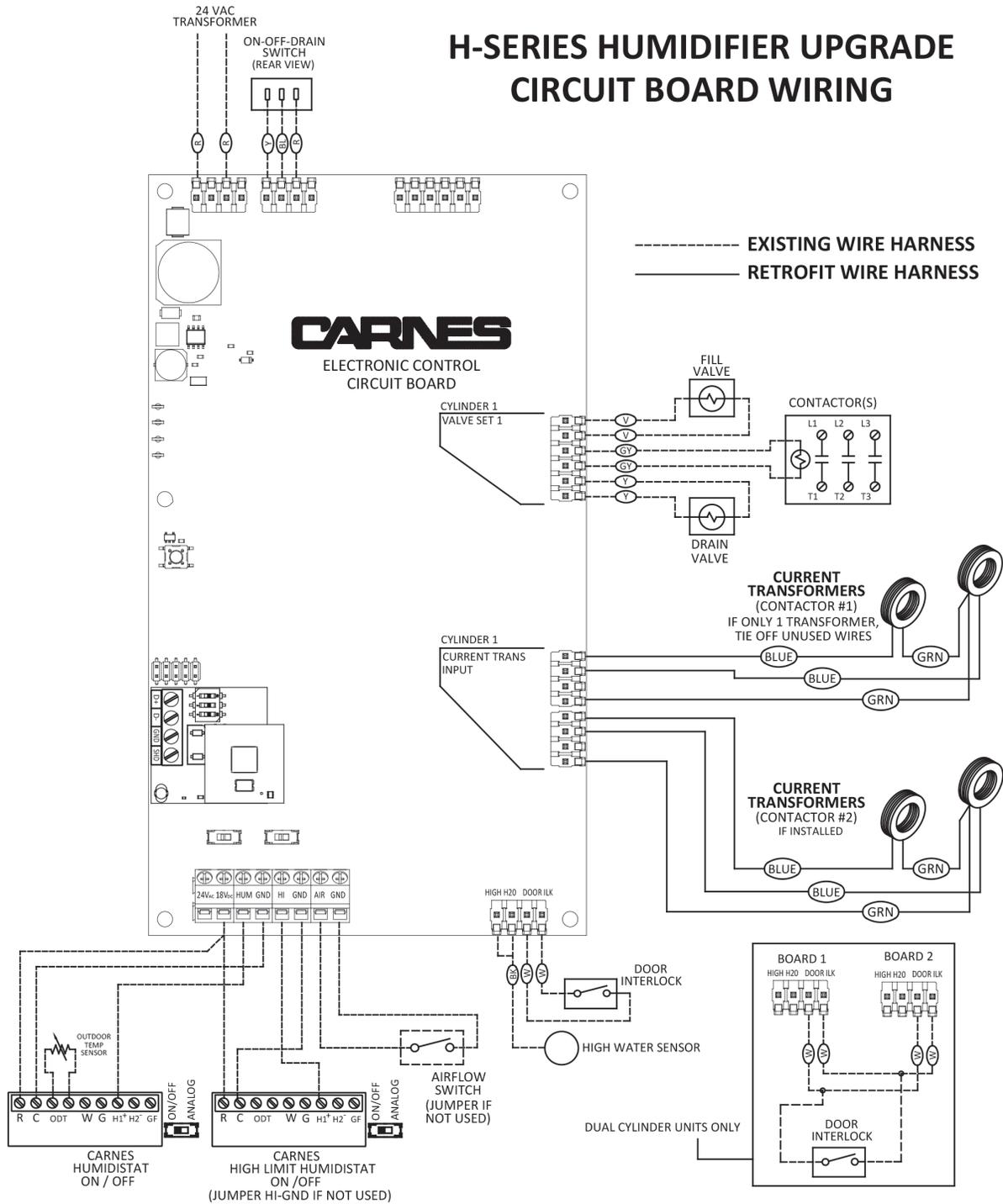


5. Install the new blower sub assembly bracket and tighten with the screw you removed. The new fan assembly should look like the following assembly with an 8-pin connector and an R cut into the frame of the fans.



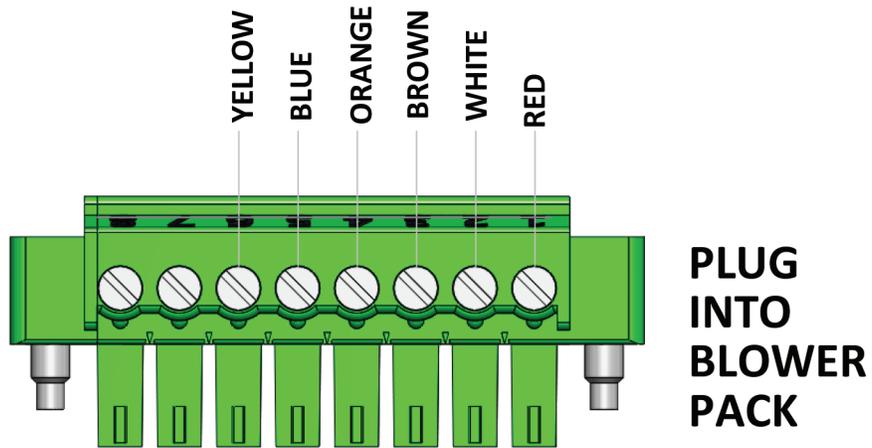
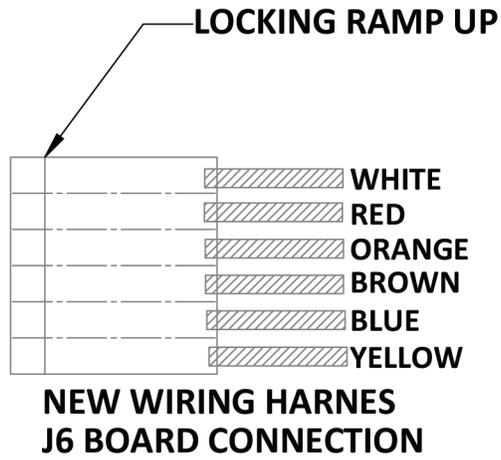
6. For the wiring of the new blower pack, please follow the wiring diagrams on the following pages. There is a drawing for the mounted blowers and a drawing for remote mounted blowers.
7. Once the wiring is complete, replace the top of the blower pack on to the blower and tighten the screws.
8. Replace all cover panels removed.
9. Reconnect all power back to the humidifier.

H-SERIES HUMIDIFIER UPGRADE CIRCUIT BOARD WIRING



OPTIONAL PROPORTIONAL

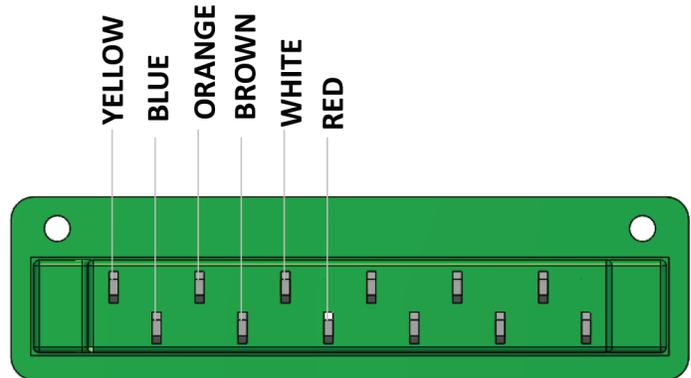
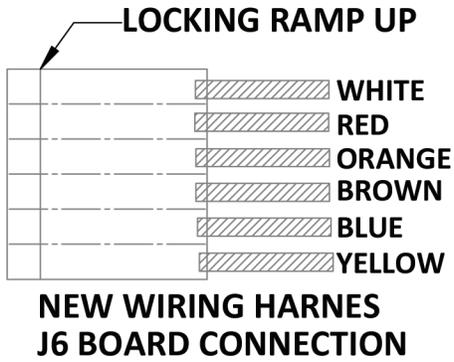
**WIRING H-SERIES MOUNTED BLOWER PACK
RETRO-FIT WITH J-SERIES FAN ASSEMBLY**



**HARNESS WIRING DETAIL
(TOP VIEW)**

****ON WIRE HARNESS, REMOVE
BLACK AIR FLOW SWITCH WIRES****

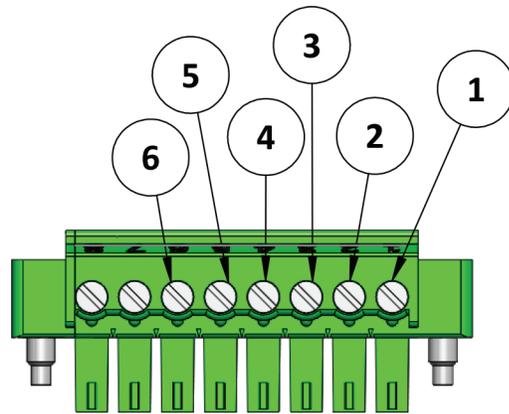
WIRING H-SERIES MOUNTED BLOWER PACK RETRO-FIT WITH J-SERIES FAN ASSEMBLY



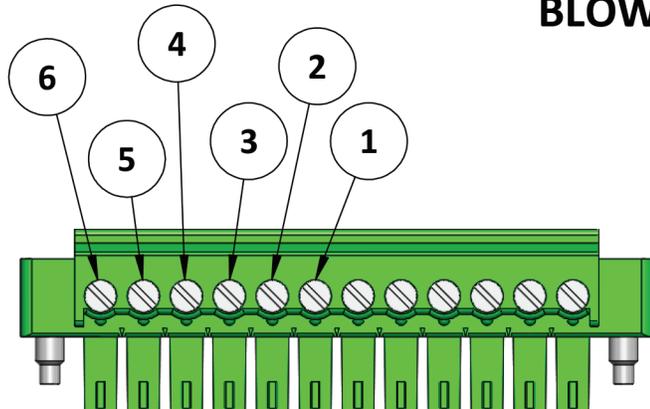
CONNECT RED TERMINALS OF NEW J6 WIRE HARNESS AS SHOWN TO EXISTING 12 PIN CONNECTOR IN HUMIDIFIER CABINET

REUSE 12 PIN PLUG AND RUN WIRE AS SHOW TO NEW 8 PIN PLUG.

WIRE LIKE NUMERS TOGETHER,
I.E. 1 GOES TO 1



**PLUG INTO NEW
BLOWER PACK**



**PLUG INTO NEW
BLOWER PACK**