PARTS AND INSTALLATION INSTRUCTIONS
COUNTER ELECTRIC DISPENSER (CED)
ELECTRONIC ICE BANK CONTROL (EIBC) RETROFIT KIT (PN 82-2532)

1. REMOVAL AND INSTALLATION INSTRUCTIONS

WARNING

DISCONNECT FROM POWER SOURCE BEFORE BEGINNING THIS PROCEDURE. WATER BATH MUST BE DRAINED AND ICE BANK MUST BE COMPLETELY MELTED. *DO NOT ATTEMPT TO CHANGE PROBE WITH ICE BANK STILL FROZEN.*

1.1 Remove Bonnet. Disconnect Electric Valve Harness (if equipped) from Transformer.

1.2 Remove Refrigeration Deck and place on solid surface.

1.3 Remove leads from Ranco Control, noting which lead goes to the Junction Connector and which lead goes to the Compressor. Some models may be equipped with a temperature switch. In this case, the Compressor lead should be disconnected from this device (See Wiring Diagrams). Remove the Ranco Probe, Ranco Control Box, and the temperature switch (if equipped) from the Deck. ***Save screws for reinstallation.***

1.4 **For Omega Models:** Mount EIBC Control Housing Assembly at holes previously used for the Ranco Control, using the screws removed in Step 1.3.

For D80 Models: Loosen locknut on evaporator coil at area where Ranco Control was previously mounted. Slip one end of bracket on EIBC Control under locknut and line up other end with hole previously used to mount Ranco Control. Secure bracket with screw removed in Step 1.3 and tighten locknut.

1.5 Remove Cover of Control Housing Assembly. Connect lead from Compressor to screw terminal marked “HOT OUT”. Connect lead from Junction Connector to terminal marked “HOT IN” (see Figure 2).

1.6 **For Omega Models:** Clip the EIBC Clamp Assembly on the third coil from the top and adjacent to the old Ranco tube, on the inside of the Evaporator Coil, at the distance specified in Figure 1.

For D80 Models: Clip the EIBC Clamp Assembly on the second coil from the top and adjacent to the old Ranco tube, on the inside of the Evaporator Coil, at the distance specified in Figure 1.

CAUTION

FAILURE TO PLACE THE PROBE ASSEMBLY AT THE SPECIFIED LOCATION WILL SERIOUSLY AFFECT THE PERFORMANCE OF THE DISPENSER AND COULD LEAD TO EQUIPMENT DAMAGE.

Using the supplied 6-32 x 3/4 screw, nut, and Backing Clamp (see Figure 1), secure the Clamp Assembly to the Evaporator Coil. Attach EIBC Probe to Clamp Assembly (as illustrated) using supplied 6-32 x 1/2 screws. *Do not overtighten this assembly.*

1.7 **For Omega Models:** Route Probe Lead through Deck by passing the lead up through the tube used by the Ranco Probe and plug into the connector on the PCB as indicated in Figure 2.

For D80 Models: Route Probe Lead through Deck at point where the suction side of the Evaporator Coil passes through the Deck and plug into the connector on the PCB as indicated in Figure 2. Pull all excess lead through to top side of Deck and make sure it does not come into contact with Agitator Motor shaft.

1.8 Check all connections, and install Control Housing Assembly Cover. Tie all Leads together, insuring that all leads are clear of any rotating equipment.

1.9 Reinstall Refrigeration Deck.

CAUTION

TAKE CARE NOT TO DAMAGE THE PROBE SPRINGS WHILE LOWERING THE DECK INTO POSITION.

1.10 Reconnect Electric Valve Harness to Transformer.

1.11 Refill Water Bath at this time.

1.12 Reconnect to power source. When power is supplied to the EIBC, there is a five minute delay before Compressor start-up. The Power Indicator Lamp should be illuminated and visible through the Control Housing Assembly Cover. When the Compressor starts, the Power Indicator Lamp will turn off.

1.13 Conduct operational check of unit.

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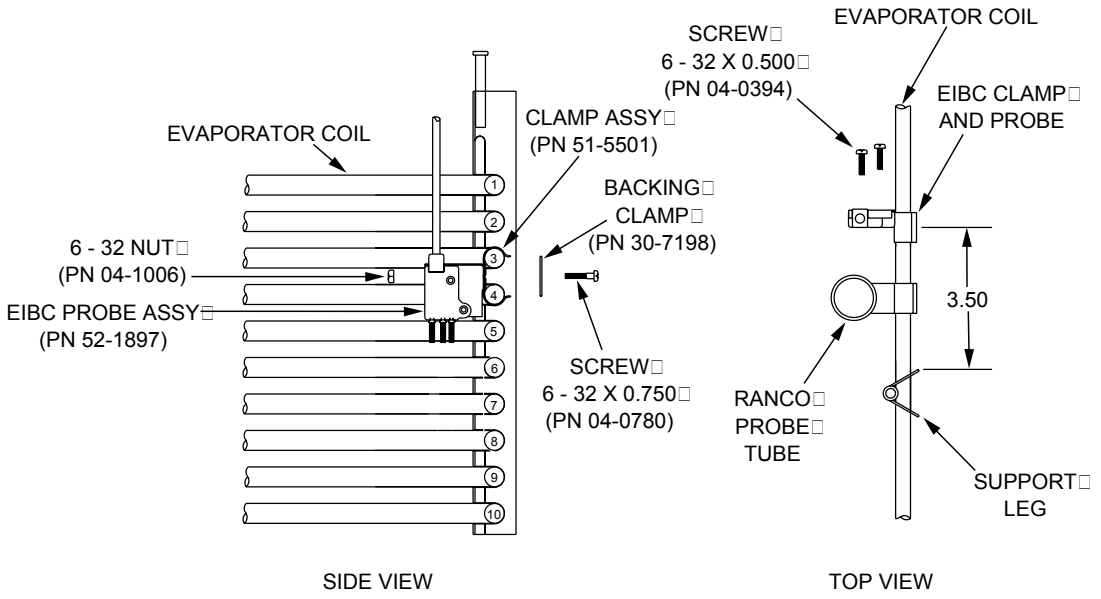
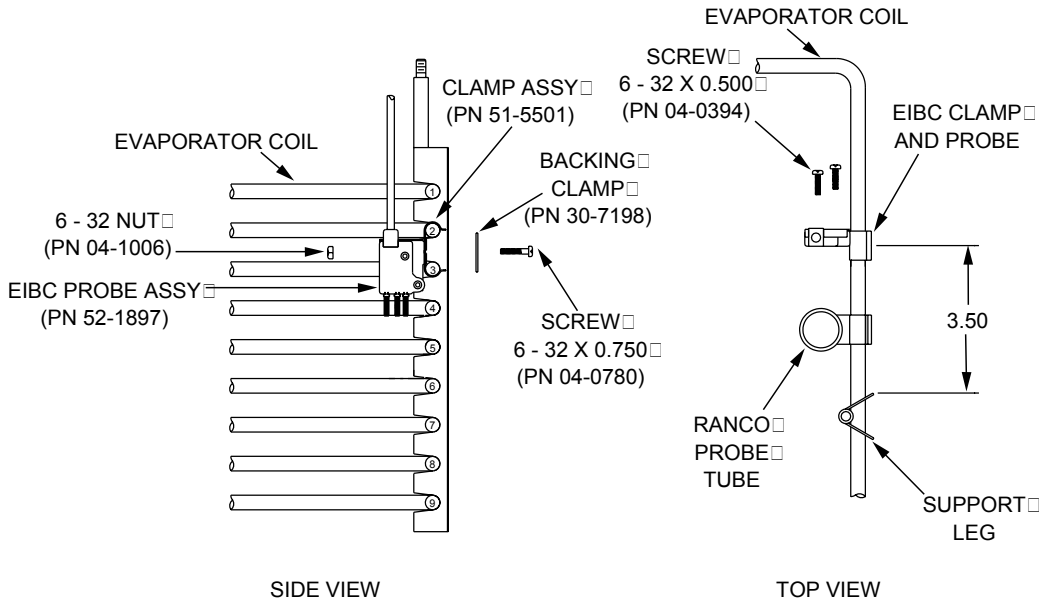


OMEGA COIL



D - 80 COIL

FIGURE 1

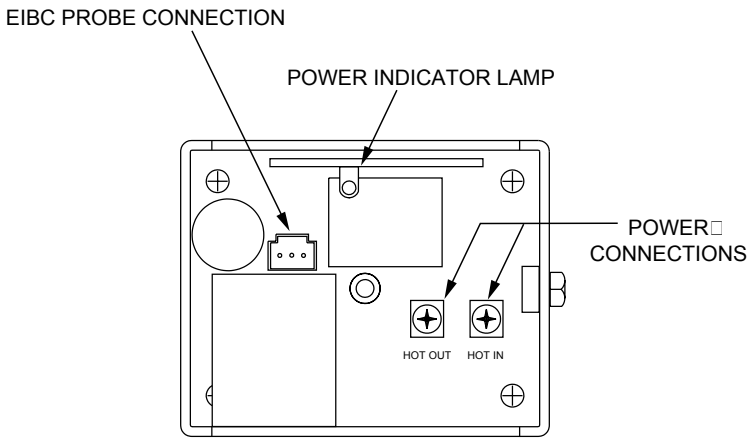
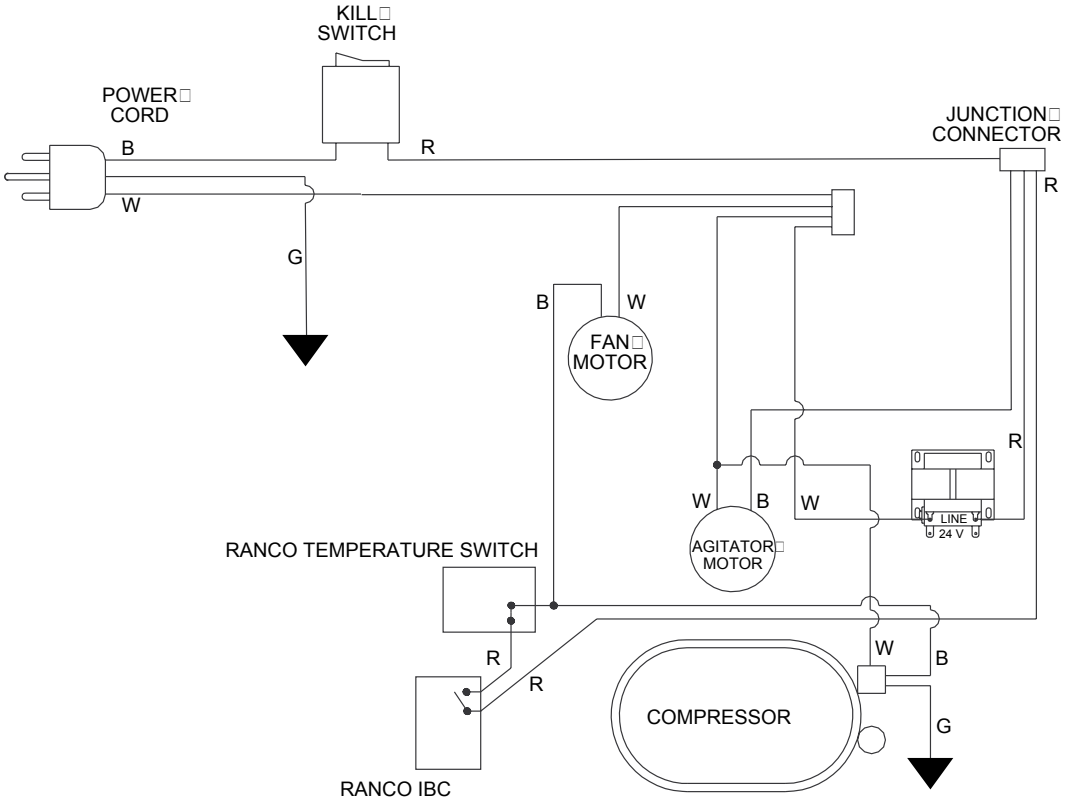
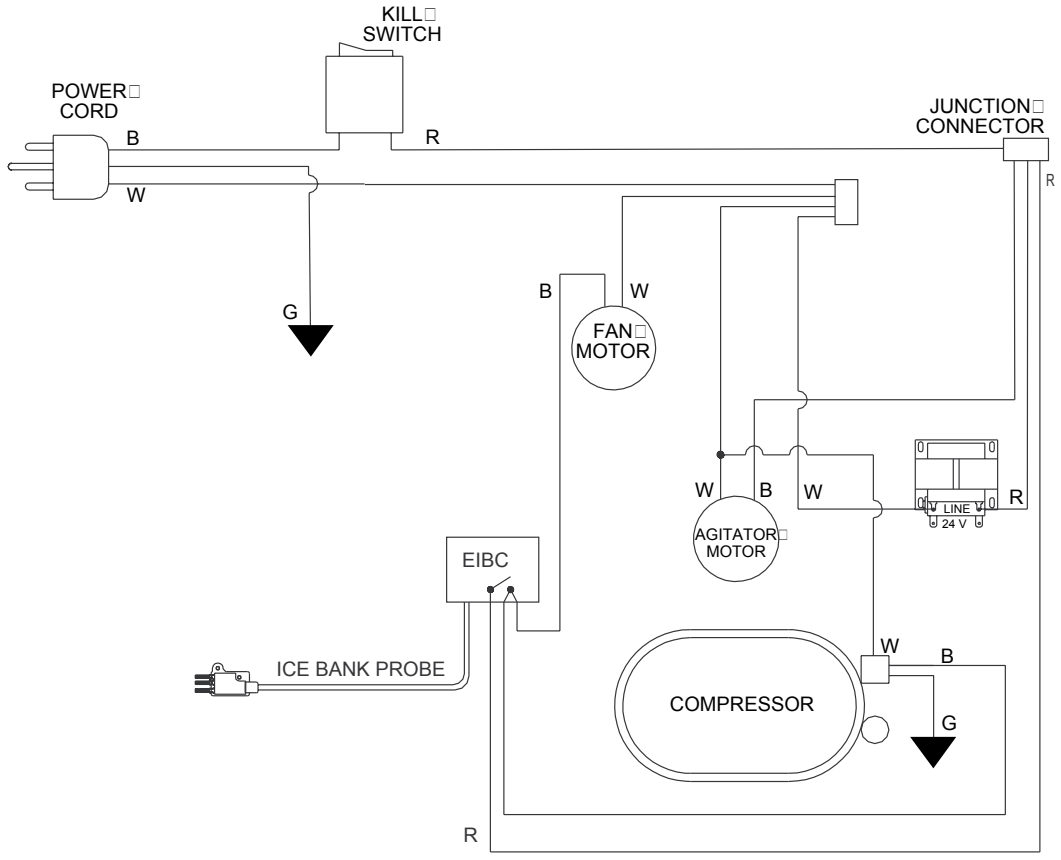


FIGURE 2

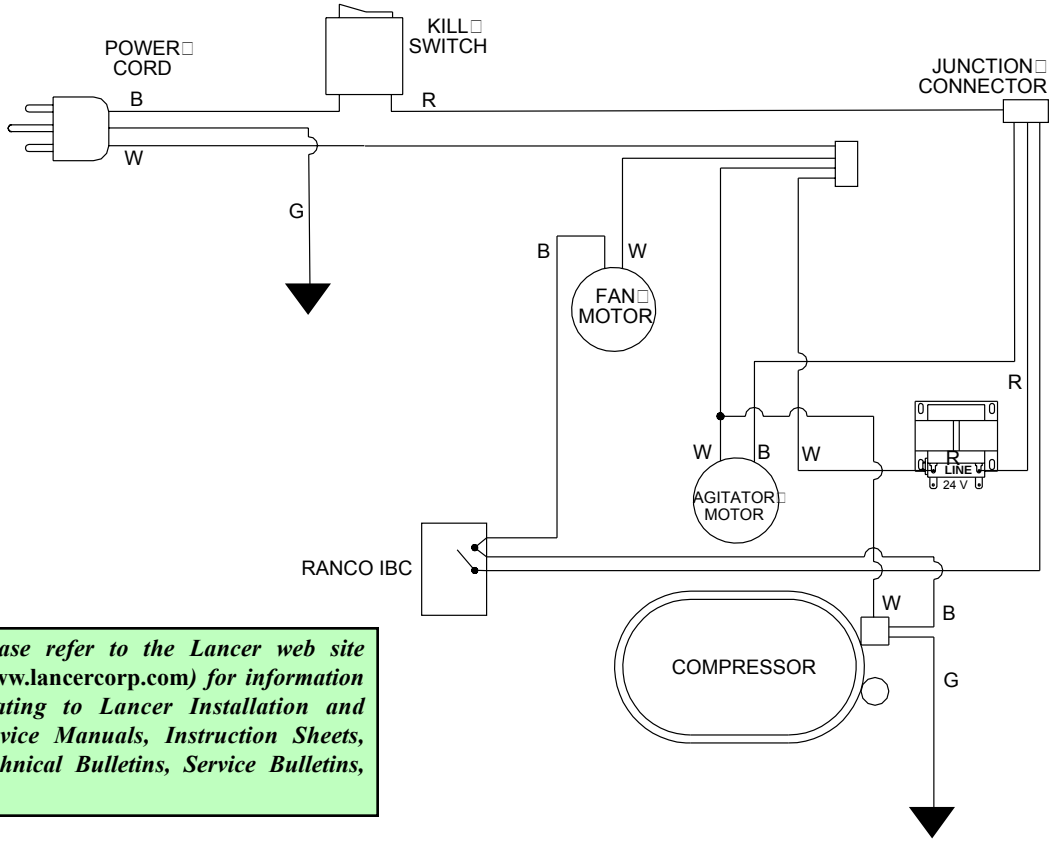


WIRING SCHEMATIC WITH RANCO IBC (3/4 HP MODELS)



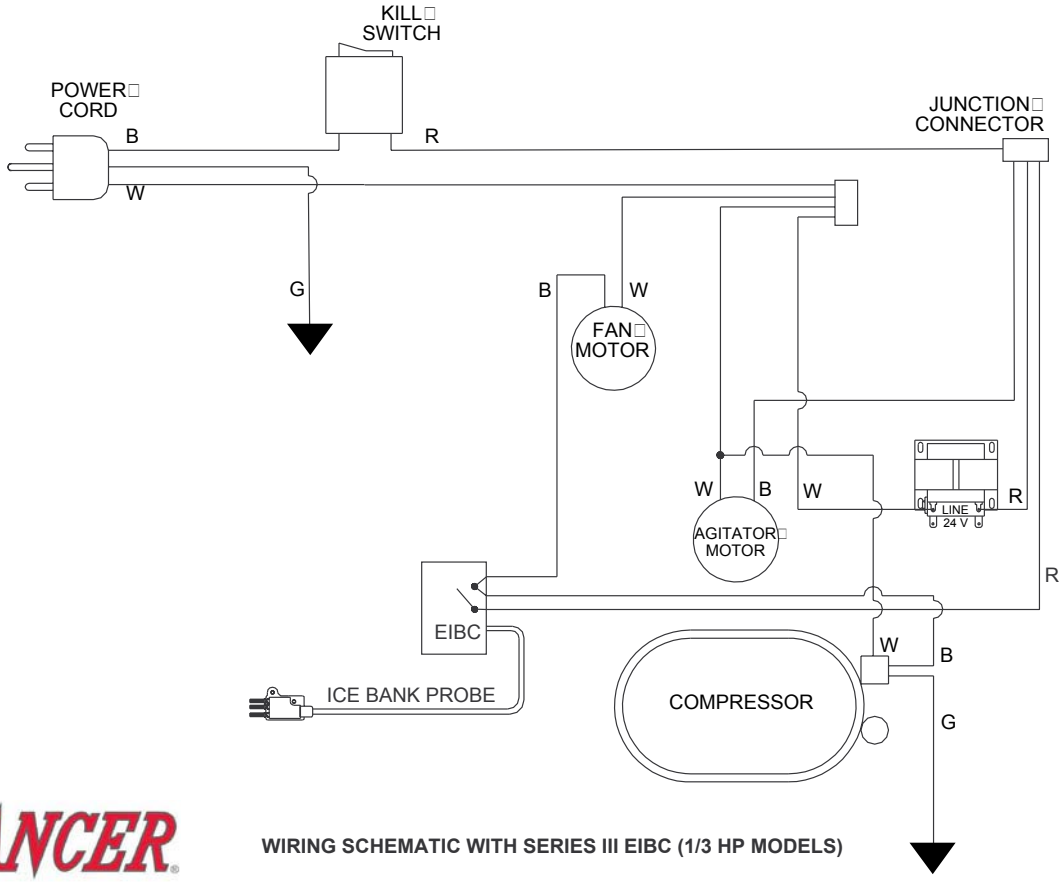
WIRING SCHEMATIC WITH SERIES III EIBC (3/4 HP MODELS)

WIRING DIAGRAMS
FIGURE 3



Please refer to the Lancer web site (www.lancercorp.com) for information relating to Lancer Installation and Service Manuals, Instruction Sheets, Technical Bulletins, Service Bulletins, etc.

WIRING SCHEMATIC WITH RANCO IBC (1/3 HP MODELS)



WIRING SCHEMATIC WITH SERIES III EIBC (1/3 HP MODELS)

WIRING DIAGRAMS
FIGURE 4