

# PARTS AND INSTALLATION INSTRUCTIONS

## 2500 COUNTER ELECTRIC DISPENSER (CED)

### ELECTRONIC ICE BANK CONTROL (EIBC) RETROFIT KIT (PN 82-2509)

#### 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 Box and which lead goes to the Compressor. Some models may be equipped with a pressure switch. In this case, the lead coming from this device should be treated as the Junction Box lead. *Disconnect all electrical leads from this device, but do **not** attempt to disconnect the capillary tube from the compressor.* Remove the Ranco Probe, Ranco Control Box, and the hole insulation from the Deck.

##### NOTE

Save screws and insulation for reinstallation.

- 1.4 Mount EIBC Control Housing Assembly at holes previously used for the Ranco Control, using the screws removed in Step 1.3.
- 1.5 Remove Cover of Control Housing Assembly. Connect lead from Compressor to screw terminal marked "HOT OUT". Connect lead from Junction Box (or pressure switch) to terminal marked "HOT IN" (see Figure 2 on reverse).
- 1.6 Bend Ranco Probe Clamp to one side, flush with the Evaporator Coil(see Figure 1 on reverse).

##### CAUTION

USE EXTRA CARE WHEN BENDING CLAMP TO AVOID DAMAGING EVAPORATOR COIL.

- 1.7 Attach EIBC Probe to Clamp as illustrated, using supplied 6-32 x 0.500 screws. **Do not overtighten this assembly.** Attach EIBC Clamp Assembly on the eighth coil from the bottom and adjacent to the Ranco Clamp using the supplied 6-32 x 0.750 screw and nut (see Figure 1 on reverse). Tighten screw securely.

##### 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.**

- 1.8 Route Probe Lead through Deck at the same location previously used by the Ranco Probe and plug into the connector on the PCB as indicated in Figure 2. Replace the hole insulation removed in Step 1.3.
- 1.9 Reinstall Deck.
- 1.10 Using a volt-ohm-meter, check the Probe Terminal Housing Leads to be sure that none are shorted together or are in contact with the Cage Assembly.
- 1.11 Plug the Probe Lead into the connector on the PCB as indicated in Figure 2.

*(Continued on Reverse)*

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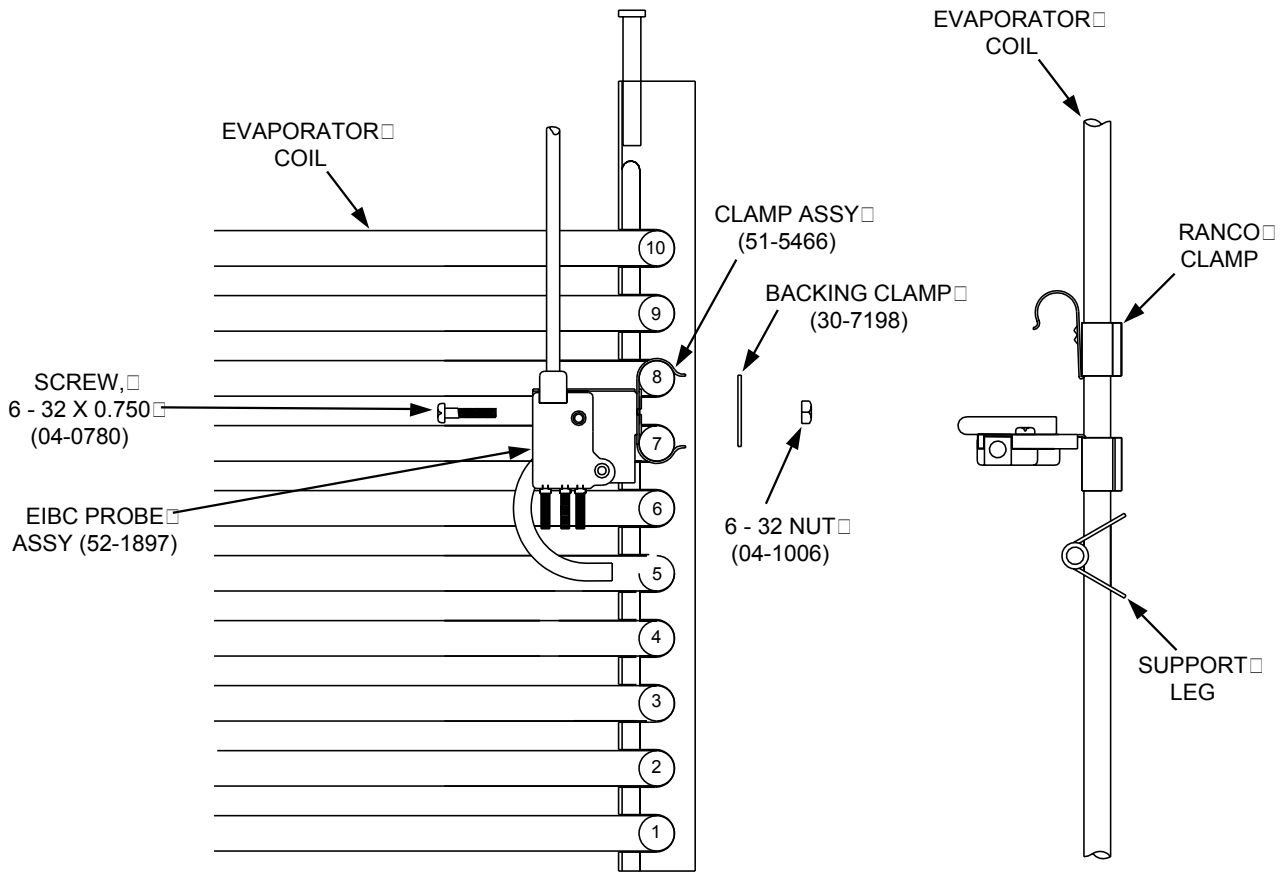
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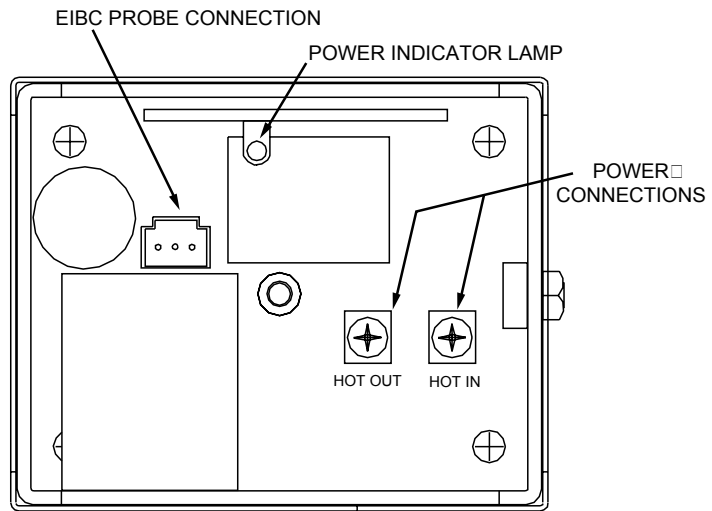
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- 1.12 Check all connections, and install Control Housing Assembly Cover. Tie all Leads together, *insuring that all leads are clear of any rotating equipment.*
- 1.13 Reconnect Electric Valve Harness to Transformer.
- 1.14 Refill Water Bath at this time.
- 1.15 Reconnect to power source. When power is supplied to the EIBC, there is a five minute delay before 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.
- 1.16 Conduct operational check of unit.



**SIDE VIEW**  
**TOP VIEW**  
**Attaching EIBC Clamp Assembly and EIBC Probe**  
**Figure 1**



**Control Housing Connections**  
**Figure 2**

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

