

INSTALLATION INSTRUCTIONS

ESCORT II AND III JUICE DISPENSERS

ELECTRONIC ICE BANK CONTROL (EIBC)

RETROFIT KIT (PN 82-3049)

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 two (2) screws retaining Rear Lid over Agitator Deck and remove Lid.
- 1.2 Disconnect leads from load side of Transformer and disconnect Agitator/IBC connector at top inside corner of dispenser.
- 1.3 Remove two (2) screws retaining Agitator Deck and remove Agitator Deck. Take care not to damage Agitator propeller during retrofit.
- 1.4 Remove cover from Ranco IBC.
- 1.5 Remove three (3) leads from Ranco Control, noting which lead goes to the Junction Box and which lead goes to the Compressor (third lead goes to Agitator Motor). The lead going to the Compressor is on Pin 1 of the Agitator/IBC connector and the lead going to the Junction Box is on Pin 3 (see Figure 1A).
- 1.6 Remove the hole plug insulation around the Ranco probe capillary tube and remove the Ranco Probe and Ranco Control Box from the Agitator Deck. *Save screws and insulation plug for reinstallation.*

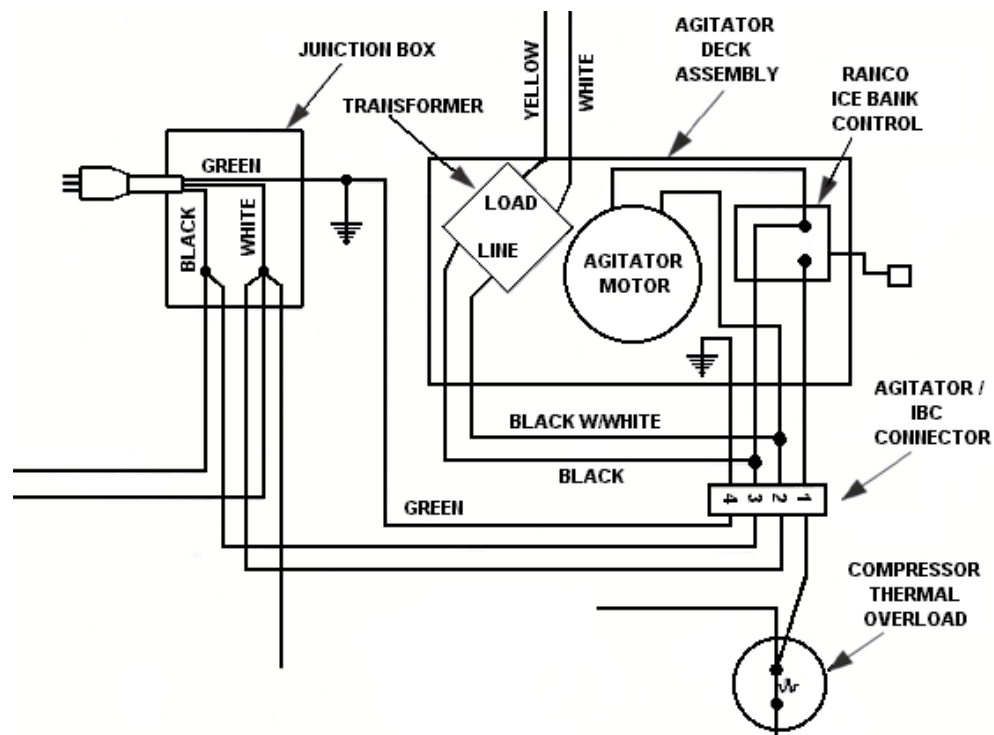


Figure 1A

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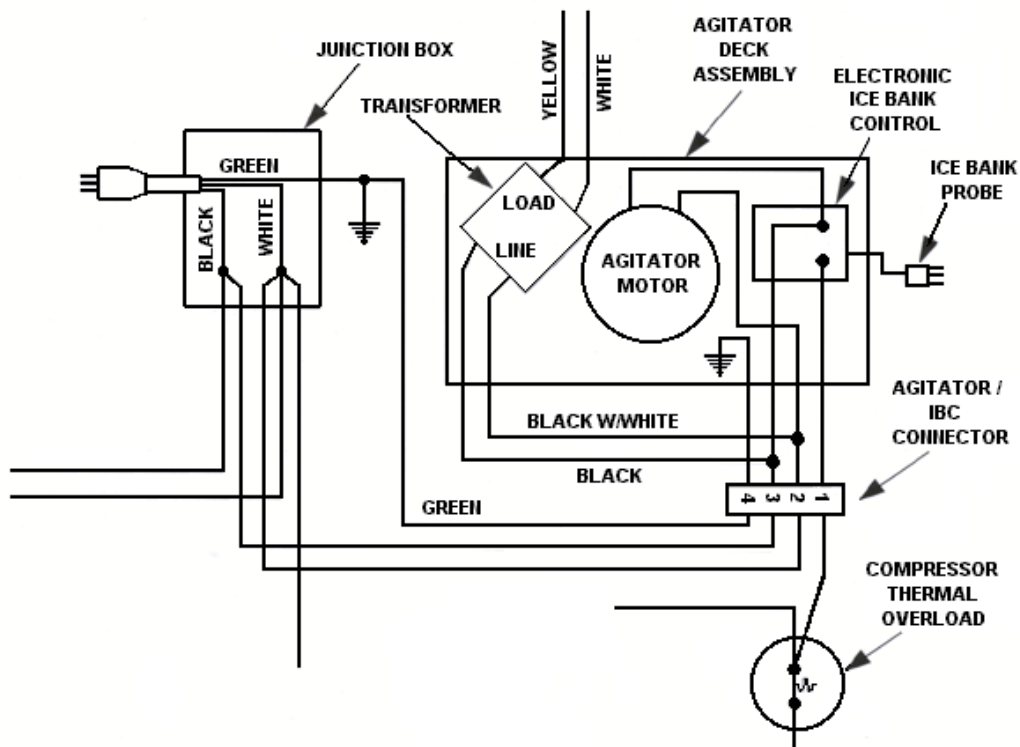


Figure 1B

- 1.7 Remove one (1) screw holding the bracket on the Lancer Electronic Ice Bank Control housing (EIBC) and loosen the other. Spin the bracket 90° as shown in Figure 2, reinstall screw and tighten both screws.
- 1.8 Mount EIBC Control Housing Assembly at holes previously used for the Ranco Control, *using the screws removed in Step 1.6.*
- 1.9 Remove Cover of EIBC Control Housing Assembly. Connect lead from Compressor to screw terminal marked "HOT OUT". Connect lead from Junction Box and Agitator Motor to terminal marked "HOT IN" (see Figure 1B and Figure 2).

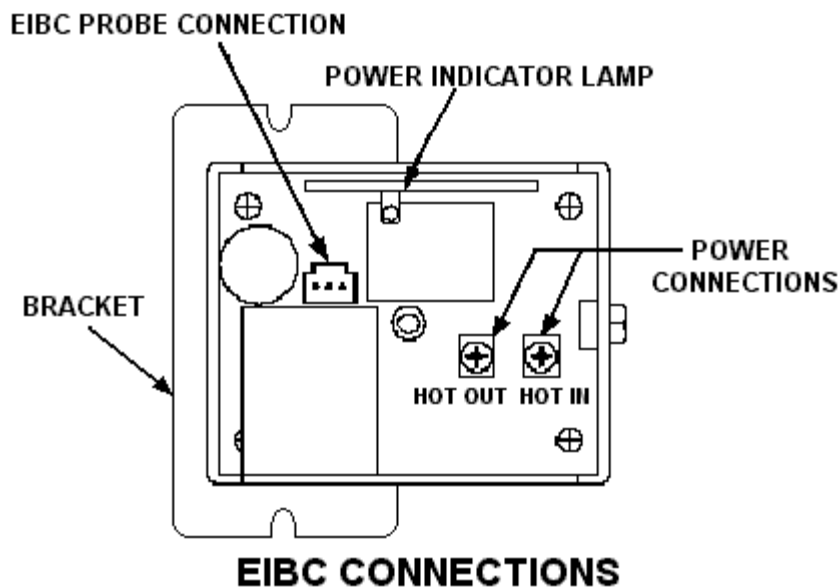


Figure 2

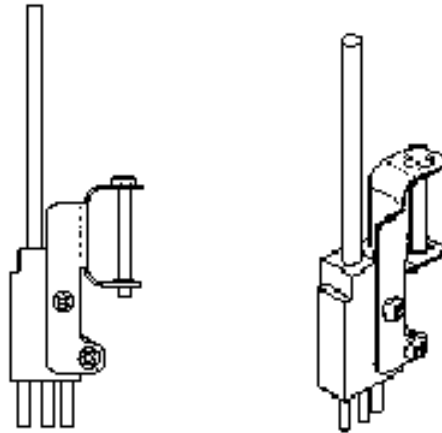


Figure 3

- 1.10 Turn Agitator Deck Assembly over. Using a hack saw or similar tool, cut off the tube that once held the Ranco probe as close to the tube retaining ring as possible. **Deburr the cut edge.**
- 1.11 Attach EIBC Probe to Clamp Assembly (as shown in Figure 3) using supplied 6-32 x 1/2 screws. **Do not overtighten this assembly.**
- 1.12 Clip the EIBC Probe Clamp Assembly on the top coil on the inside of the Evaporator Coil, as shown in Figure 4. Using the supplied 6-32 x 1 3/8 screw, secure the Clamp Assembly to the Evaporator Coil.

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

CAUTION

TAKE CARE NOT TO DAMAGE THE PROBE SPRINGS WHILE INSTALLING THE PROBE.

- 1.13 Hold the Agitator Deck Assembly over the water bath tank and route Probe Lead through Deck by passing the lead up through the hole used by the Ranco Probe. Place the Agitator Deck into position while pulling all excess wire through to top side of Deck. Make sure it does not come into contact with Agitator Motor shaft. Plug the Probe Lead into the connector on the PCB as indicated in Figure 2.

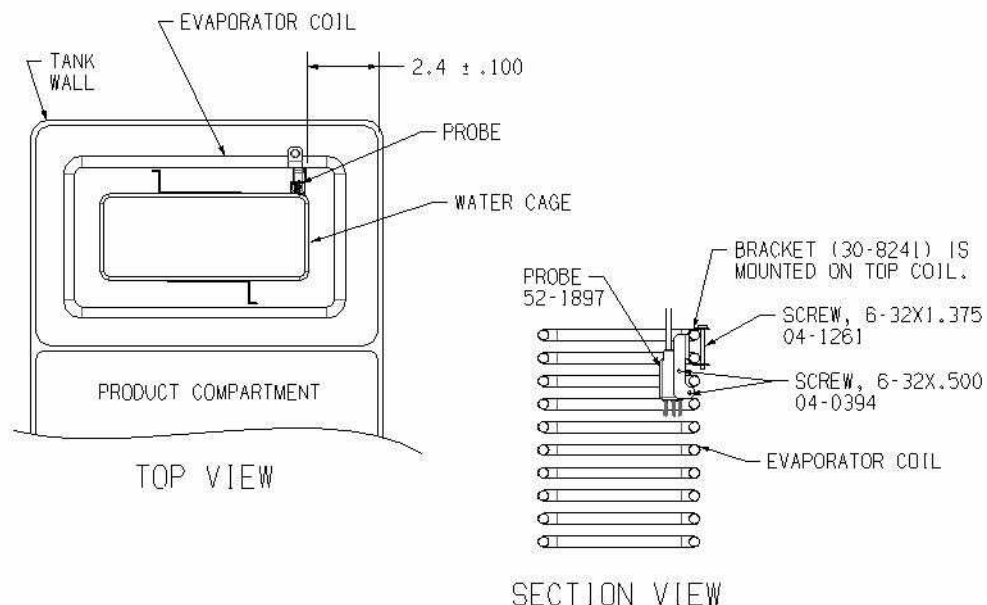


Figure 4

- 1.14** Check all connections, and install Control Housing Assembly Cover. Tie all leads together, insuring that all leads are clear of any rotating equipment.
- 1.15** Reinstall Agitator Deck screws and hole plug insulation.
- 1.16** Reconnect leads to load side of Transformer and Agitator/IBC connector at top inside corner of dispenser.
- 1.17** Refill Water Bath at this time.
- 1.18** 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.
- 1.19** Replace Rear Lid over Agitator Deck and the two screws.
- 1.20** Conduct operational check of unit.



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.