

PARTS AND INSTALLATION INSTRUCTIONS
1500 COUNTER ELECTRIC DISPENSER (CED)
ELECTRONIC ICE BANK CONTROL (EIBC) RETROFIT KIT (PN 82-2138)

1. REMOVAL AND INSTALLATION INSTRUCTIONS

WARNING

DISCONNECT UNIT 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 and inline connector. Discard Electric Valve Harness.
- 1.2 Remove Refrigeration Deck and place on solid surface.
- 1.3 Unplug leads from Transformer and remove Transformer from deck. Save screws for reinstallation.
- 1.4 Remove Junction Box from Condenser Shroud.
- 1.5 Remove Ranco Probe and Ranco Control Box from Deck. Save screws for reinstallation. Remove hole insulation at this time. Save insulation for reinstallation in a later step.
- 1.6 Reinstall Transformer at location indicated in Figure 1, View A (see illustration on reverse), with the leads facing towards the Compressor, using the screws removed in Step 1.3 above.
- 1.7 Mount EIBC Control Housing Assembly at holes indicated in Figure 1, View B (see illustration on reverse), using screws from the Ranco Control (removed in Step 1.5 above). If Condenser Shroud is fitted with a hole location for a kill switch, remove screw holding Shroud to Condenser, cut off flange using a suitable tin snip, and reinstall screw in Condenser Housing. Attach all Ground Leads, including Lead supplied with Kit, to screw indicated in Figure 1, View B, on reverse.
- 1.8 Disconnect Agitator Motor Leads from the Junction Box, and connect to Terminal Block in Control Housing according to the Wiring Diagram on the Control Housing Cover.
- 1.9 Connect the Line Leads from Control Housing to the Line Terminals on the Transformer.
- 1.10 Disconnect the Ranco Control Compressor Leads from the Compressor and connect Leads from the Control Housing according to the Wiring Diagram on the Control Housing Cover.
- 1.11 Junction Box, Ranco Control Box, and Probe can be completely removed from unit at this time.
- 1.12 Cut away Ranco Probe clamp, flush with coils.

CAUTION

USE EXTRA CARE WHEN CUTTING AWAY CLAMP TO AVOID DAMAGING EVAPORATOR COILS.

- 1.13 Attach EIBC Clamp Assembly on the sixth coil from the bottom and adjacent to the Probe Guard, using the supplied 6-32 x 3/4 screw and nut (see Figure 1, View C; illustration on reverse). Tighten screw securely. Attach EIBC Probe to Clamp as illustrated, using supplied 6-32 x 1/2 screws. **Do not overtighten this assembly.**
- 1.14 Route Probe Lead through Deck at hole indicated on drawing (see Figure 1) and through top hole in the Control Housing and connect to J2 on the PCB. Replace the hole insulation removed earlier in Step 1.5 above.
- 1.15 Route plug of new, supplied Electric Valve Control Harness through top hole in Control Housing and connect to J1 on the PCB. Connect other end to Load side of Transformer. Connect inline connector to Keylock.
- 1.16 Connect plug of supplied Ground Lead (attached earlier, in Step 1.7 above, to Control Housing screw) to J3 on the PCB.
- 1.17 Check all connections, and install Control Housing Cover. Tie all Leads together, insuring that all leads are clear of any rotating equipment.
- 1.18 Reinstall Deck.
- 1.19 Refill Water Bath at this time.
- 1.20 Connect power supply.
- 1.21 Conduct operational check.

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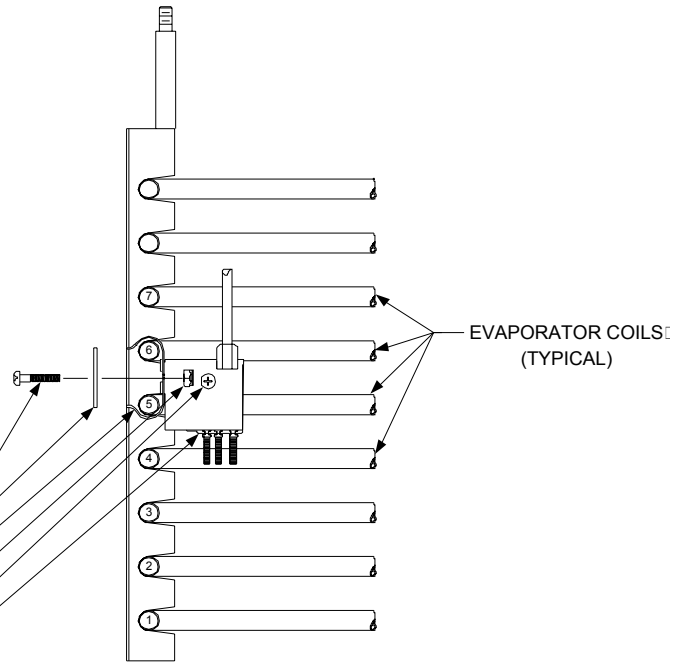
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DATE: 08/12/96
P.N.: 28-0619/02

VIEW C

ATTACH EIBC PROBE CLAMP TO EVAPORATOR COILS, AS INDICATED, UTILIZING PROVIDED SCREW AND NUT

- SCREW (PN 04-0780)
- E.I.B.C. BACK CLAMP (PN 30-7198)
- EIBC PROBE CLAMP ASSEMBLY (PN 51-5501)
- 6-32 STAINLESS STEEL NUT (PN 04-0076)
- SCREW (PN 04-0394)
- EIBC PROBE ASSEMBLY (PN 52-1773)



VIEW B

ATTACH CONTROL HOUSING ASSEMBLY TO DECK AT THESE POINTS

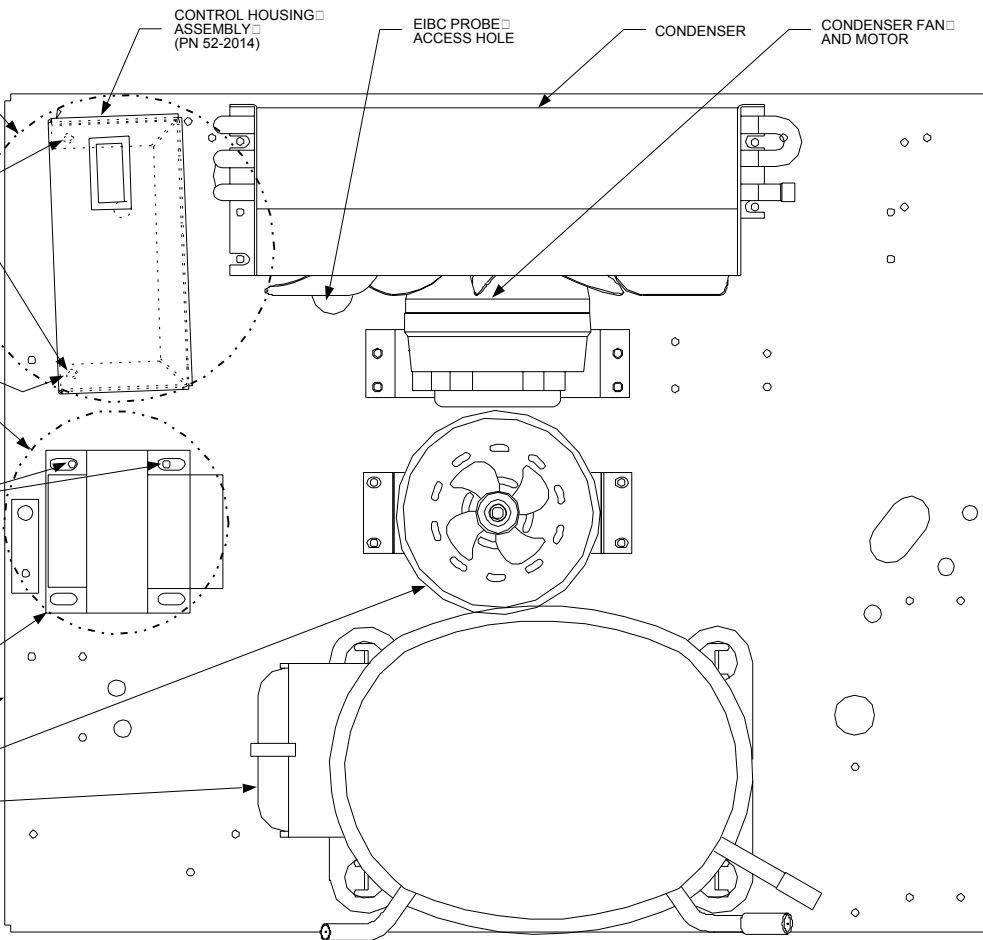
NOTE:
ATTACH GROUND LEADS TO THIS SCREW

VIEW A

ATTACH TRANSFORMER TO DECK AT THESE POINTS

NOTE:
LEAD ASSEMBLIES, SUCTION AND DISCHARGE TUBES NOT SHOWN FOR CLARITY.

- TRANSFORMER
- DECK PLATE
- AGITATOR MOTOR
- COMPRESSOR



**ELECTRONIC ICE BANK CONTROL (EIBC) RETROFIT KIT
FIGURE 1**

