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INSTALLATION INSTRUCTIONS

INSTALLING MECHANICAL ICE BANK CONTROL KIT (P/N 0736) ON UNIVERSAL C-750 DISPENSER

These instructions outline removal instructions for the electronic ice bank control and installation instructions for the new mechanical ice bank control and its control box. Retain these instructions as part of your equipment manual.

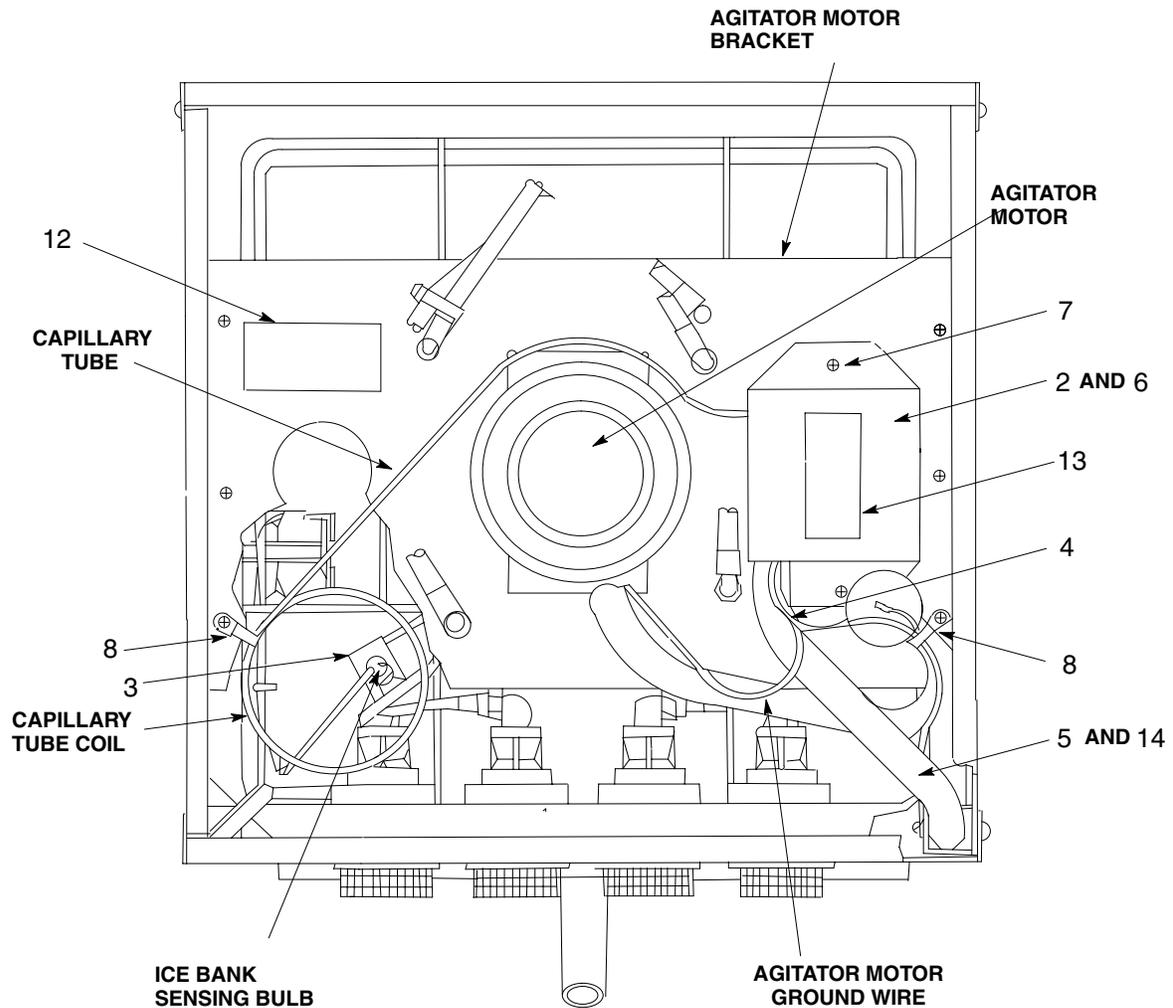


FIGURE 1. PARTS IDENTIFICATION

NOTE: Only qualified personnel should install this kit. Make sure all parts are present and in good condition.

Table 1. Loose-Shipped Parts			
Item No.	Part No.	Name	Qty.
1	189578000	Machine Screw, Phil Truss Hd, Sems, No.6-32 by 1/4 in.	2
2	186075001	Ice Bank Control	1
3	185176000	Sensor Retainer	1
4	313467000	Ground Wire	1
5	0631	Power Cord, Ice Bank Control	1
6	0652	Box, Ice Bank Control	1
7	319941000	Screw, Thread Rolling, Type TT, No. 8-32 by 3/8 in. long	2
8	360174000	Wire Tie	3
9	186564000	Strain Relief	1
10	186299000	Strain Relief	1
11	186125000	Grommet, 5/16 Mounting Hole	1
12	310510000	Decal, Drain Warning	1
13	313457000	Decal, Electric Shock	1
14	940061	Rubatex Insulation, 8-in. long	1
15	200498003	Hex Nut, Keps No. 8-32	2

	<p>WARNING: To prevent personal injury from possible electrical shock, disconnect electrical power source from Dispenser before proceeding to install the Ice Bank Control Kit.</p>
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PREPARING DISPENSER FOR KIT INSTALLATION

1. Disconnect electrical power from Dispenser.
2. Remove four screws securing Dispenser top cover, then remove cover.
3. Refer to manual provided with Dispenser to drain and clean water tank as instructed.
4. Remove quick disconnects (black) from product tanks outlets.
5. Relieve pressure from product systems by opening each dispensing valve.

NOTE: If Dispenser is equipped with a water tank seal kit, remove screws securing the front and back cover plates, then remove plates.

6. Cut cable tie holding agitator motor power cord, then unplug power cord.
7. Remove and retain screw securing agitator motor ground wire to conduit corner.
8. Disconnect product inlet lines from fittings on agitator motor bracket.
9. Remove hex nuts securing product coils inlet fittings to agitator motor bracket.
10. Remove six screws (three each side) securing agitator motor bracket to water tank.
11. Lift agitator motor bracket and agitator motor up out of Dispenser.

12. Remove back and right side (facing front of Dispenser) access grilles for access to electrical control box fastened to back panel.
13. Remove two screws securing electrical control box to back panel, then lower control box for easier access to box.
14. Remove electrical control box cover for access to electronic ice bank control inside box.
15. Disconnect short white electrical wire piggy-back connector (connected between "L2" terminal on electronic ice bank control and terminal block) from terminal on terminal block.
16. Disconnect electrical wire from short white electrical wire piggy-back terminal and reconnect it to terminal block terminal where white electrical wire piggy-back terminal was disconnected from.
17. Disconnect short white electrical wire with Piggy-back terminal from "L2" terminal on electronic ice bank control. Discard white wire.
18. Disconnect electrical wires from "SL1" and "L1" terminals on the electronic ice bank control.
19. Disconnect two electronic ice bank sensor probe wires from terminals on electronic ice bank control.
20. Pull two electronic ice bank sensor probe wires out through hole in electrical control box.
21. Remove two screws securing electronic ice bank control inside electrical control box, then remove control and discard.
22. Cut terminals off ends of two ice bank sensor wires, then pull wires up through conduit in corner of cabinet.

NOTE: Old electronic ice bank control probe holder may be removed and new ice bank control capillary tube sensor may be installed by reaching down in between the product and evaporator coils instead of lifting product coils up out of evaporator coils as instructed in the following steps.

23. Disconnect product lines from backs of dispensing valves.
24. Lift product coils up out of evaporator coils just far enough for access to electronic ice bank probe wires holder fastened to the evaporator coils.
25. Cut cable ties, then remove old probe wires holder from evaporator coils. Discard probe wires holder with attached wires.

INSTALLING MECHANICAL ICE BANK CONTROL KIT (SEE FIGURE 1)

1. Place BOX, ICE BANK CONTROL (item 6) on agitator motor bracket as shown in Figure 1. Pencil mark two mounting holes to be drilled in bracket, then remove box.
2. Center punch and drill two .136 diameter holes in agitator motor bracket.
3. Note metal flap covering top of conduit in corner of cabinet where agitator motor power cord is routed into bottom compartment of cabinet (see Figure 1).
4. Bend flap and cut off with a tin snip tool. **MAKE SURE THERE ARE NO SHARP EDGES ON CONDUIT AFTER CUTTING OFF FLAP.**



CAUTION: Be very careful not to make sharp kinks or bends in ICE BANK CONTROL (item 2) capillary tube during handling, routing, or coiling. Sharp kinks or bends will close off small orifice inside the tube.

5. Very carefully uncoil and route ICE BANK CONTROL (item 3) sensor end of capillary tube down to white ring holder on front of product coils.
6. Place capillary tube sensor in white ring holder. While holding sensor in place in holder, position SENSOR RETAINER (item 3) over ring holder and sensor so sensor bottom is resting on bottom of retainer.

7. While holding sensor and retainer in place, bend both retainer tabs over top of sensor to hold them in place in white ring holder.
8. Lower product coils down into position inside evaporator coils, then connect product lines to backs of dispensing valves. Route capillary tube up along insulated evaporator coils inlet and outlet tubes in corner of cabinet as shown in Figure 1.
9. Place agitator motor bracket and agitator motor in position in Dispenser. Secure product coils inlet fittings to agitator motor brackets with hex nuts.
10. Secure agitator motor bracket to water tank with six screws.
11. Lay BOX, ICE BANK CONTROL (item 2) bottom side up on agitator motor bracket.
12. Install ice bank control inside BOX, ICE BANK CONTROL (item 2) and secure with MACHINE SCREWS (item 1).
13. Place capillary tube in slotted hole in ice bank control box, then install GROMMET (item 11) around capillary tube and in hole in control box.
14. Slide RUBATEX INSULATION (item 14) up over female terminal end of POWER CORD, ICE BANK CONTROL (item 5).
15. Route female push-on terminal of POWER CORD, ICE BANK CONTROL (item 5) through larger hole to inside of ice bank control box.
16. Connect power cord female push-on terminals to terminals on ice bank control.
17. Install STRAIN RELIEF (item 9) around power cord, then install strain relief in ice bank control box hole.
18. Route GROUND WIRE (item 4) through hole in ice bank control box and connect to threaded ground stud inside box. Secure connection with HEX NUT (item 15).
19. Connect other end of ice bank control box ground wire to conduit in corner of dispenser cabinet where agitator motor ground wire was disconnected from. Secure connection with screw.
20. Route agitator motor green ground wire through hole (same hole ice bank control box ground wire passes through) to inside of ice bank control box and connect to threaded ground stud. Secure connection with HEX NUT (item 15).
21. Install STRAIN RELIEF (item 10) around ground wires, then install strain relief in ice bank control box hole.
22. Turn ice bank control box over and align its mounting holes with holes drilled in agitator motor bracket. Secure control box to agitator motor bracket with two SCREWS (item 7).
23. Very carefully, coil excess capillary tube as shown in Figure 1.
24. Secure coiled capillary tube to agitator motor bracket with WIRE TIE (item 8)
25. Secure capillary tube to insulated evaporator coil refrigeration tubes routed up through corner of cabinet with wire tie (item 8).
26. Route end of ice bank control power cord down through conduit in cabinet corner to electrical control box in bottom of Dispenser.
27. Route end of ice bank control power cord to inside of electrical control box.
28. Connect ice bank control power cord to wires disconnected from the old electronic ice bank control "SL1" and "L1" terminals in step 18) of PREPARING DISPENSER FOR KIT INSTALLATION. Thoroughly tape each connection with electrical tape.
29. Install electrical control box cover, then raise control box up in place and secure to back panel with two screws. MAKE SURE ICE BANK CONTROL POWER CORD IS ROUTED AWAY FROM CONDENSER FAN MOTOR AND FAN BLADES.
30. Install back and right side access grilles on Dispenser.

NOTE: If water tank is equipped with a water tank seal kit, install front and back cover plates and secure with screws.

31. Refer to manual Provided with Dispenser and fill water tank with water as instructed.
32. Slide end of rubatex insulation on ice bank control power cord down into conduit in cabinet corner.
33. Install DECAL, ELECTRICAL SHOCK (item 13) on ice bank control box.
34. Install DECAL, DRAIN WARNING (item 12) next to water fill hole in agitator motor bracket.
35. Install Dispenser top cover and secure with four screws.
36. Plug Dispenser power cord into electrical outlet, then check Dispenser for proper operation.

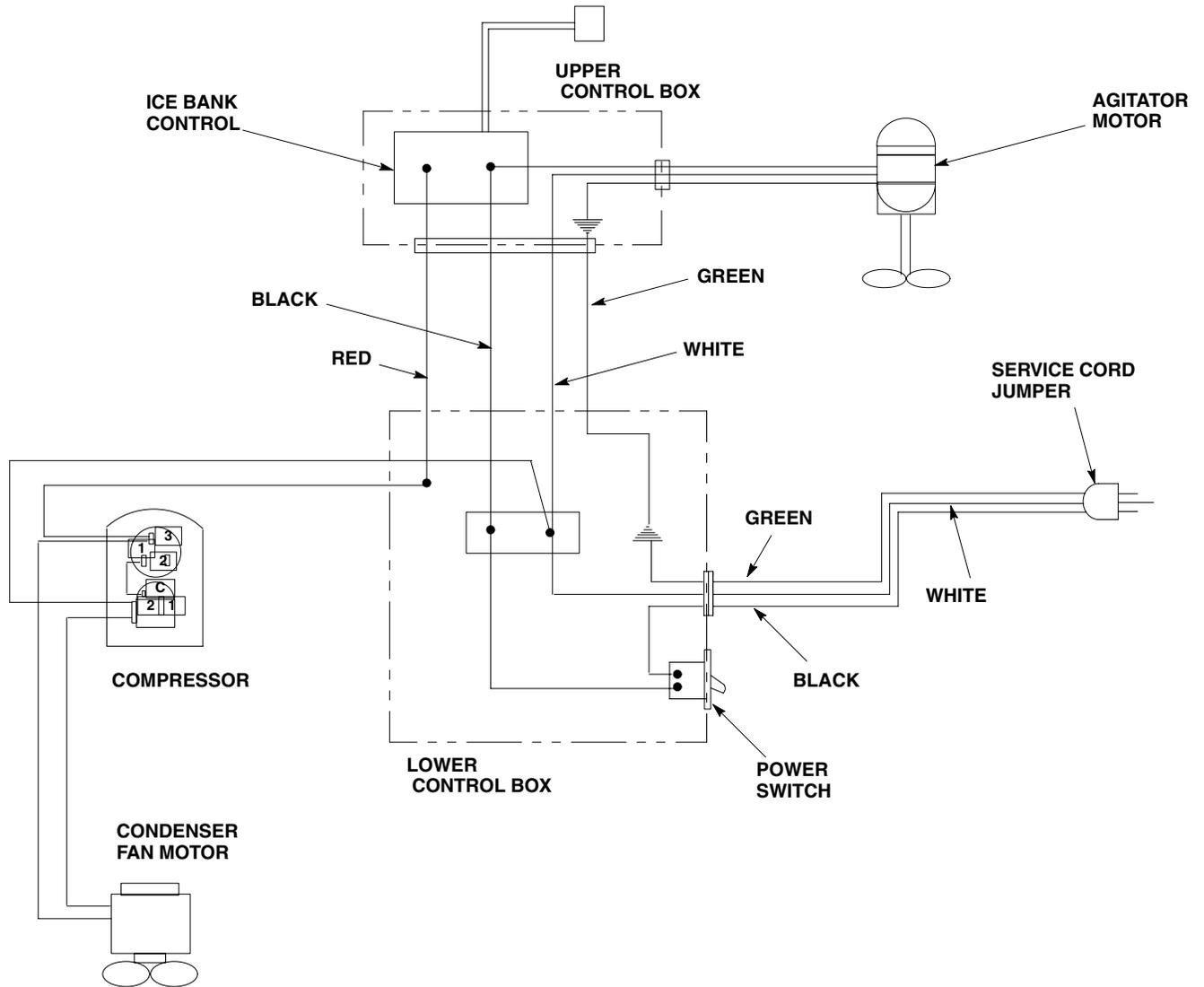


FIGURE 2. WIRING DIAGRAM