



# INSTALLATION INSTRUCTION

## INSTALLING MECHANICAL ICE BANK CONTROL KIT (P/N 4236) ON VENTURE 1/4 H.P. POST-MIX DISPENSER WITH R-12 OR 134-A REFRIGERANT

These instructions outline the step-by-step procedures to install the Ice Bank Control Kit (P/N 4236) on the Venture Post-Mix Dispenser with 1/4 H.P. drop-in refrigeration assembly and with either R-12 or 134-A refrigerant. Retain these instructions as part of your equipment manual.

**Note: Only qualified Personnel should install this kit.**

1. Make sure all kit items are present and in good condition.

Table 1. Loose-Shipped Parts			
Item No.	Part No.	Name	Qty.
1	180136000	O-Ring, .470 I.D. By .103 C.S.	2
2	186150000	Machine Screw, Phil Pn Hd; No. 8 By 32 By 3/8-in. Long	2
3	2828	Power Cord Ass'y, 28-in. Long, (Venture With 134-A Refrigerant)	1
4	311535000	Compressor Power Cord Ass'y, 28-in. Long, (Venture With R-12 Refrigerant)	1
5	311956000	Electrical Wire, 5-1/4 in. Long, (Venture With R-12 or 134-A Refrigerant)	1
6	315794000	Ice Bank Control, Mechanical	1
7	332015000	Condenser Fan Motor Ass'y Power Cord, (Venture With R-12 Refrigerant)	1
8	3990	Holder, Ice Bank Control	1
9	4249	Mounting Template, Ice Bank Control Installation	1

## PREPARING DISPENSER FOR KIT INSTALLATION



**WARNING: To avoid possible fatal electrical shock or serious injury, make sure electrical power source is disconnected from the dispenser before proceeding to install this kit.**

1. Disconnect electrical power source from the dispenser.
2. Remove dispenser front access panel for access to the water tank drain hose.
3. Route water tank drain hose to a drain, then remove plug from end of hose and allow water tank to drain.
4. Install plug in end of the water tank drain hose.

5. Remove hood from the dispenser.
6. Refer to manual provided with the dispenser and remove drop-in refrigeration assembly from the dispenser as instructed.
7. Refer to manual provided with the dispenser and inspect and if necessary, clean the water tank.
8. Remove ice bank control control bulb from the control bulb holder, then remove old control bulb holder from evaporator coils and discard.
9. Remove and retain permagum sealant from hole in drop-in refrigeration assembly platform hole where the old ice bank control capillary tube is routed down through hole to the evaporator coils control bulb holder.
10. Pull old ice bank capillary tube and control bulb up out through hole in drop-in refrigeration assembly platform hole.
11. Remove drop-in refrigeration assembly electrical control box cover for access to the ice bank control.
12. Remove two screws securing the ice bank control, then remove old ice bank control from inside the electrical control box. Discard two screws.
13. Disconnect electrical wires from the old ice bank control, then discard the old ice bank control.

## KIT INSTALLATION

**Note: Upon installation, the new ice bank control (due to size and shape) will have to be relocated to a different location inside the electrical control box.**

1. Place the new ICE BANK CONTROL (item 6) inside the electrical control box temporarily to establish it's new location.
2. Using ice bank control MOUNTING TEMPLATE (item 9), drill two new holes in electrical control box where new ice bank control will be installed.



**CAUTION: Be *very careful* when routing and coiling the excess ice bank control capillary tube so as not to kink or make sharp bends in the tube. Sharp bends or kinking the capillary tube will close off the small orifice inside the tube.**

3. From inside the electrical control box, route the ice bank control capillary tube and control bulb out through grommated hole in the control box.
4. Temporarily position the ice bank control in it's new location inside the electrical control box.
5. *Very carefully*, route ice bank control capillary tube and control bulb down through hole in the drop-in refrigeration assembly platform to general vicinity of the evaporator coils.
6. Coil excess capillary tube up next to underside of the drop-in refrigeration assembly platform as shown in Figure 1).
7. Install new ICE BANK CONTROL HOLDER (item 8) on drop-in refrigeration assembly evaporator coils as shown in Figure 1.
8. Slide O-RING (item 1) up on the ice bank control capillary tube control bulb.
9. Place capillary tube control bulb in outer hole (furtherest from the evaporator coils) of the control bulb holder (see Figure 1).
10. Slide other O-RING (item 1) up on the capillary tube control bulb to secure control bulb to the control bulb holder.

11. Install retained permagum sealant around the ice bank control capillary tube where it passes through hole in the drop-in refrigeration assembly platform.

12. **Venture Dispenser With R-12 Refrigerant.**

Connect new ice bank control into the electrical circuit using COMPRESSOR POWER CORD ASS'Y, 28-IN. LONG (item 4), ELECTRICAL WIRE, 5-1/4 IN. LONG (item 5), and CONDENSER FAN MOTOR ASS'Y POWER CORD (item 7) as shown in Figure 2).

**Venture Dispenser With 134-A Refrigerant.**

Connect new ice bank control into electrical circuit using POWER CORD ASS'Y, 28-IN. LONG (item 3) and ELECTRICAL WIRE, 5-1/4 IN. LONG (item 5) as shown in Figure 3).

13. Place ice bank control bulb in position inside the control box, then secure control with two MACHINE SCREWS (item 2).
14. Install and secure control box cover.
15. Reinstall drop-in refrigeration assembly, fill water tank with water, and restart the dispenser as instructed in manual provided with your dispenser.
16. Check dispenser for proper operation, then install hood on the dispenser.

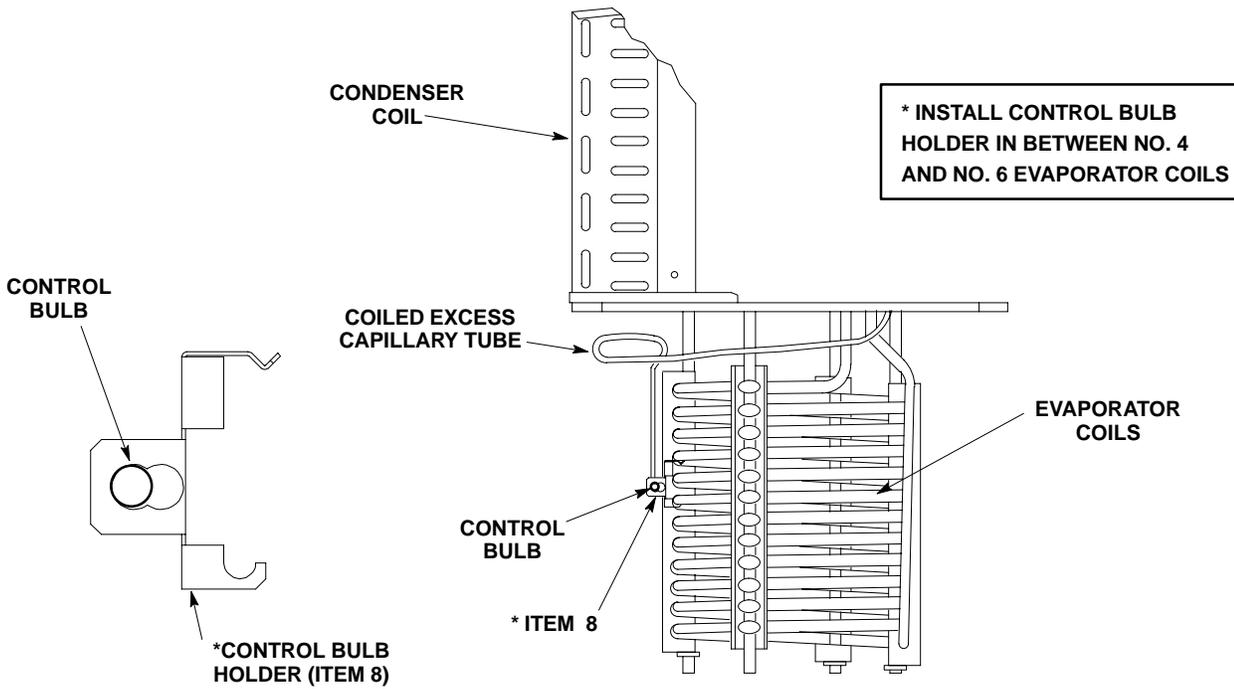


FIGURE 1. CONTROL BULB HOLDER INSTALLATION

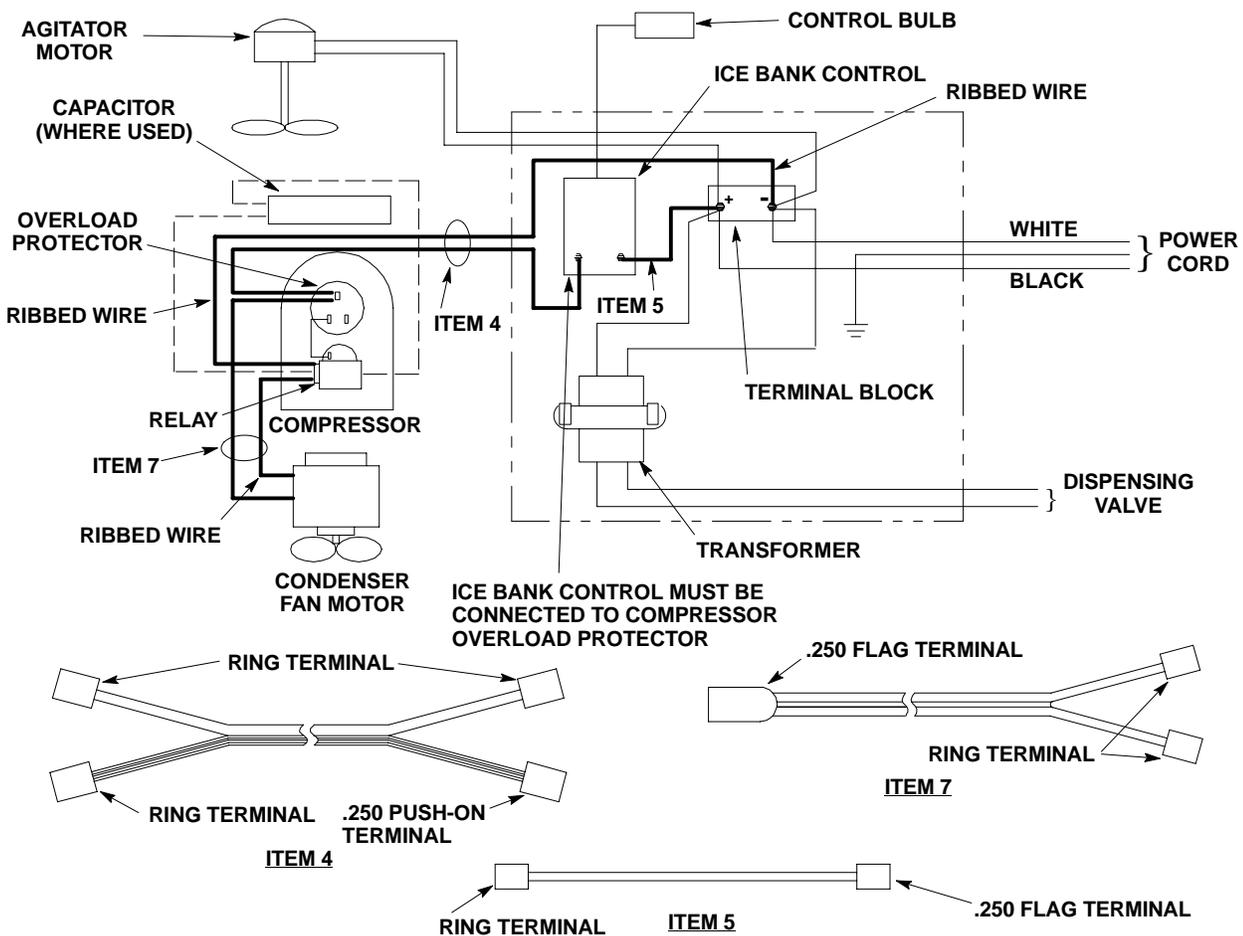
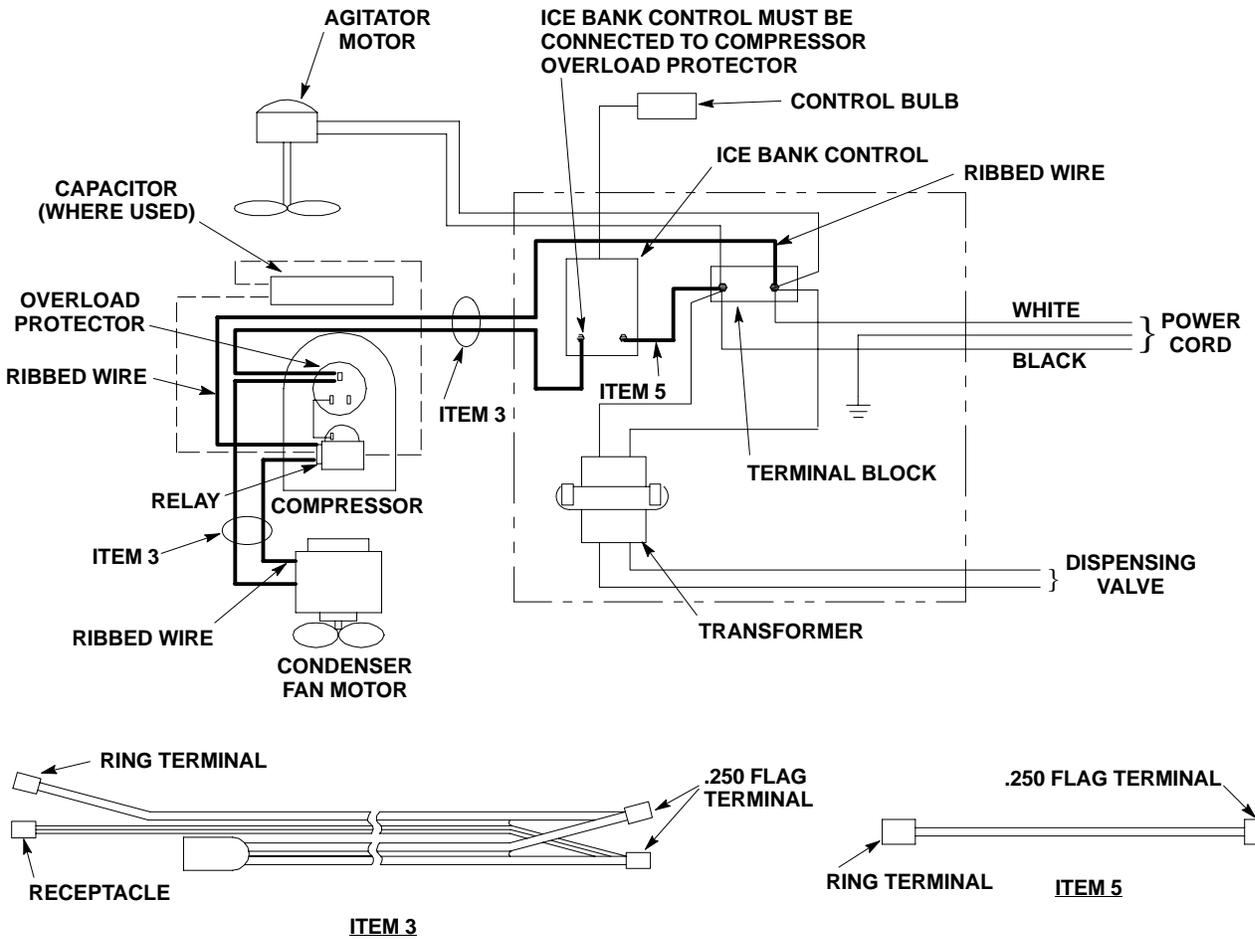


FIGURE 2. WIRING DIAGRAM (R-12 REFRIGERANT)



**FIGURE 3. WIRING DIAGRAM (134-A REFRIGERANT)**