



IMI CORNELIUS INC ■ One Cornelius Place ■ Anoka, MN 55303-6234

Telephone (800) 238-3600

Facsimile (612) 422-3246

INSTALLATION INSTRUCTIONS

INSTALLING MECHANICAL ICE BANK CONTROL KIT ON VENTURE AND SPIRIT POST AND PRE-MIX DISPENSERS

These instructions outline removal of the electronic ice bank control and installation of the mechanical ice bank control on the Venture and Spirit Post and Pre-Mix Dispensers. Retain these instructions as part of your equipment manual.

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.	
			Ven	Sprit
1	817188	Machine Screw, Phil Pn Hd, Sems, No. 8-32 by 1/4-inch long	2	—
2	317662000	Control Bulb Holder	1	—
	319998000	Control Bulb Holder	—	1
3	185176000	Retainer	—	1
4	300174000	Wire Tie	—	1
	317780000	Wire Tie	1	—
5	186074001	Ice Bank Control	—	1
	315794000	Ice Bank Control	1	—
6	186632000	Ring Wire Terminal, No. 8	2	—

PREPARING DISPENSER FOR KIT INSTALLATION



WARNING: To prevent personal injury from possible electrical shock, disconnect electrical power source from Dispenser before proceeding to install the Mechanical Ice Bank Control Kit.

1. Disconnect electrical power from the Dispenser.
2. Refer to manual provided with the Dispenser and remove the drop-in refrigeration assembly from the Dispenser as instructed.
3. Refer to manual provided with the Dispenser and inspect and if necessary, clean the water tank.
4. Remove the drop-in refrigeration assembly electrical control box cover for access to the ice bank control.
5. Remove and discard the white electrical wire connected between the terminal block and "2" terminals on the electronic ice bank sensor control module.

6. Venture Post and Pre-Mix Dispensers

- A. Disconnect electrical wires from the “SL1” and the “L1” terminals on the electronic ice bank sensor control module.
- B. Cut existing terminals off the disconnected electrical wires. Strip 3/16- Inch of insulation from ends of the wires, then install RING WIRE TERMINALS, NO. 8 (item 6).

Spirit Post and Pre-Mix Dispensers

- C. Disconnect electrical wires from the “SL1” and the “L1” terminals on the electronic ice bank sensor control module.
- D. Disconnect two blue ice bank control electrical wires from the ice bank sensor control module.
- E. Pull the two blue ice bank control electrical wires out through the grommets hole in the electrical control box.

Venture Post and Pre-Mix Dispensers

Remove two screws securing the ice bank sensor control module inside the electrical control box, then remove control module from the box. Discard the two screws.

Spirit Post and Pre-Mix Dispensers

Remove two screws securing ice bank sensor control module inside electrical control box, then remove control module from box. Retain two screws.

7. Remove and retain the permagum sealant from hole in the drop-in refrigeration assembly platform hole, then pull the ice bank control electrical wires down through the hole.
8. Cut cable ties securing the probe wires holder assembly to the evaporator coils, then remove the holder assembly from the coils and discard.

INSTALLING MECHANICAL ICE BANK CONTROL KIT

1. From inside the electrical control box, route the ice bank control capillary tube control bulb out through the grommets hole in the control box.
2. Venture Post and Pre-Mix Dispensers

Position the new ICE BANK CONTROL (item 5) inside the electrical control box in the same location as the old control module. Match holes in the control box with the new ice bank control, then secure the control to the box with MACHINE SCREW (item 1).

Spirit Post and Pre-Mix Dispensers

Position the new ICE BANK CONTROL (item 5) inside the electrical control box in the same location as the old control module. Match holes in the control box with the new ice bank control, then secure the control to the box with screws retained when removing the old control.

3. Venture Post and Pre-Mix Dispensers

Connect the two electrical wires, that were disconnected from the old control module and new ring wire terminals were installed on, to the two terminals on the new ice bank control. **MAKE SURE THE TWO RING TERMINALS DO NOT TOUCH EACH OTHER OR ANY OTHER METAL OBJECTS.**

Spirit Post and Pre-Mix Dispensers

Connect the two electrical wires, that were disconnected from the old control module, to the two terminals on the new ice bank control.



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

4. Route the ice bank control capillary tube control bulb down through hole in the drop-in refrigeration assembly platform to the general vicinity of the evaporator coils.
5. Coil the excess capillary tube up next to the underside of the drop-in refrigeration assembly platform as shown in applicable Figure 1 or Figure 2.
6. Venture Post and Pre-Mix Dispensers
 - A. On the condenser coil side of the evaporator coils (see Figure 1), install the CONTROL BULB HOLDER (item 2) on the evaporator coil vertical support.
 - B. Place the capillary tube control bulb in the control bulb holder closest to the evaporator coil as shown in Figure 1.
 - C. Secure the control bulb in the control bulb holder using WIRE TIE (item 4). Place the wire tie through the slot in the holder, then make two wire tie wraps around the capillary tube above the control bulb.

Spirit Post and Pre-Mix Dispensers

- D. On the compressor side of the evaporator coils (see Figure 2), hook the CONTROL BULB HOLDER (item 2) over No. 5 evaporator coils shown in Figure 2.
- E. Place the control bulb in the center hole of the control bulb holder as shown in Figure 2.
- F. Lock the control bulb in the control bulb holder with RETAINER (item 3). Bend the four tabs on the retainer over the control bulb holder to lock the retainer in place.
7. Make sure the capillary tube does not touch the evaporator coils, compressor, or any other component.
8. Reinstall the permagum sealant in the drop-in refrigeration assembly platform hole where the capillary tube passes through.
9. Install the drop-in refrigeration assembly back in the Dispenser by reversing the removal procedure.
10. Fill the water tank with water as instructed in the manual provided with your Dispenser.
11. Install the hood on the Dispenser and secure with screw.
12. Connect electrical power to the Dispenser.
13. Check the Dispenser for proper operation.

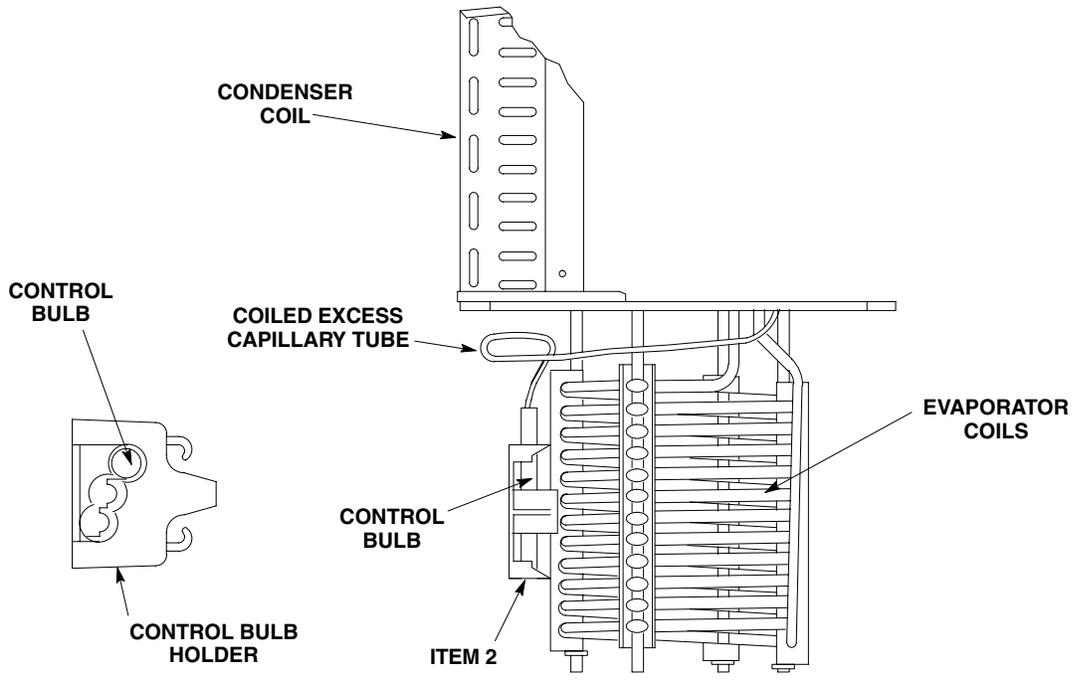
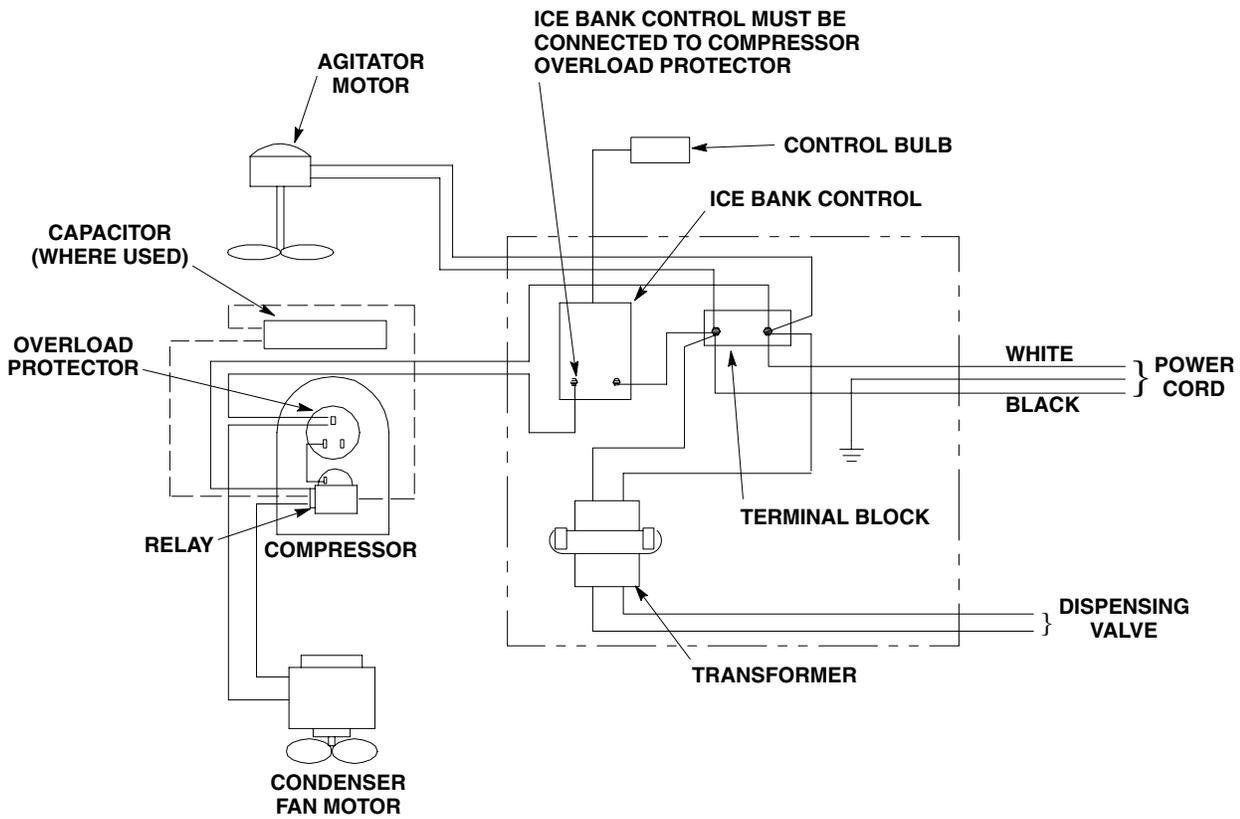


FIGURE 1. VENTURE POST AND PRE-MIX DISPENSERS

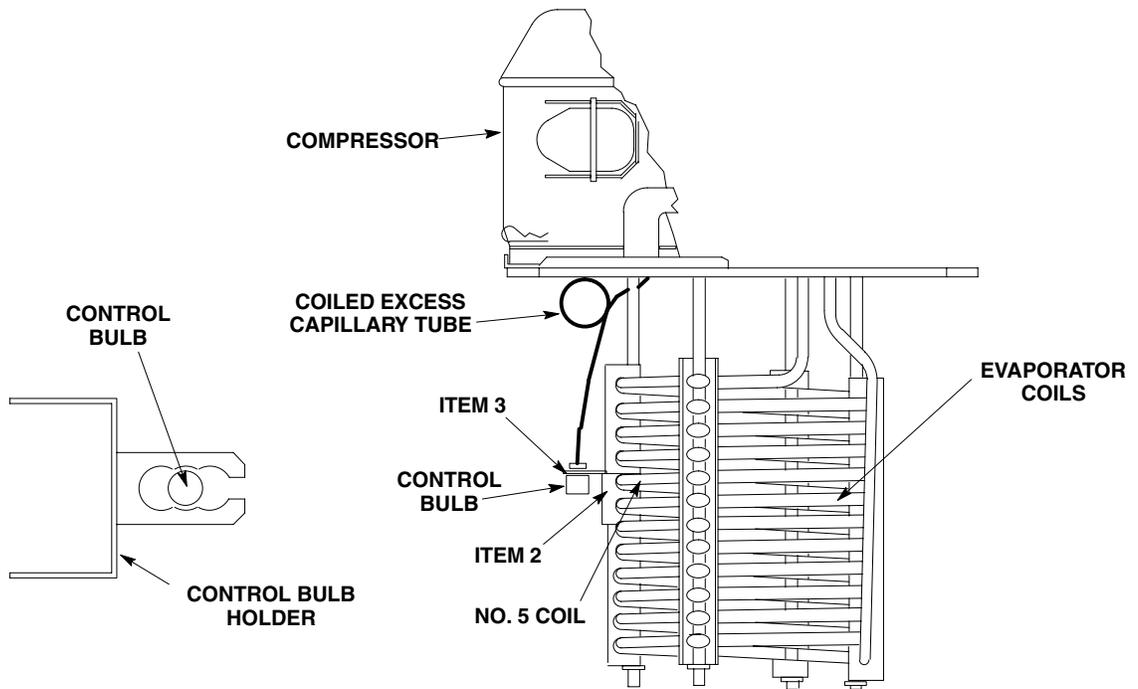
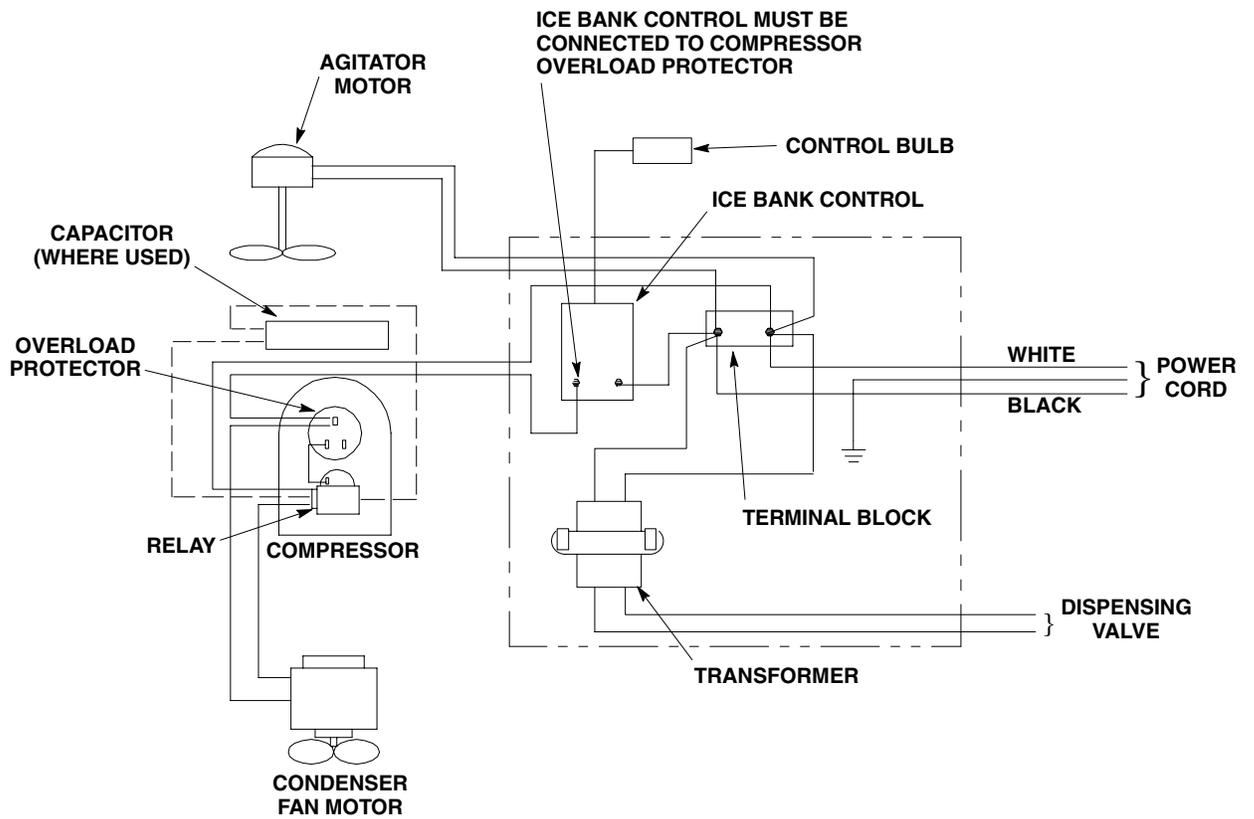


FIGURE 2. SPIRIT POST AND PRE-MIX DISPENSERS