

CRES-COR
CROWN-X

MOBILE FOODSERVICE, COOKING, HOLDING & TRANSPORTING EQUIPMENT
216/851-6800 • 12711 TAFT AVENUE, CLEVELAND, OHIO 44108-1683 U.S.A.

| | |
|---------------|---------|
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INSTALLATION, OPERATION and MAINTENANCE INSTRUCTIONS for CRES-COR MODEL R141FUA12 TOP-MOUNT REFRIGERATED CABINETS (CONSISTS of R141F CABINET and CU67177 COOLING TOP)

Before leaving our plant, each cabinet and cooling unit is thoroughly inspected, adjusted, and tested under various operating conditions.

INSTALLATION INSTRUCTIONS

1. Remove all packing material from inside of cabinet.
2. Latch the cooling unit on top of cabinet.



WARNING Cooling unit weighs about 90 lbs.; be very careful when placing on top of cabinet.

3. Install all angles, shelves, and tunnel in unit.

Angles:

- A. Check the height of the pans or carriers that are going to be used so you can figure out how much space you will need between angles.
- B. Set rear pin of angle in keyhole slot in back of cabinet. Push angle back (see Figure 1).
- C. Set front pin in slot, in the front of cabinet. Push down.

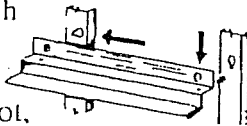


FIGURE 1
(Installing a Universal Angle)

Electrical Connections: NEMA 5-15P plug.

Power Requirements: 9.2 amps, 120 volts, 60 Hz., single phase.

HOW TO OPERATE UNIT:

1. Turn switch to "Off." (See Figure 2)
2. Plug cord into lower rear of cabinet. Turn cord to the right to lock. Plug the other end of cord into wall outlet.

To Start Unit:

1. Turn thermostat so arrow points up; i.e., to middle position of dial.
2. Turn switch to "On": power light will come on and compressor motor will start. Let unit run for 30 minutes to pre-cool cabinet.

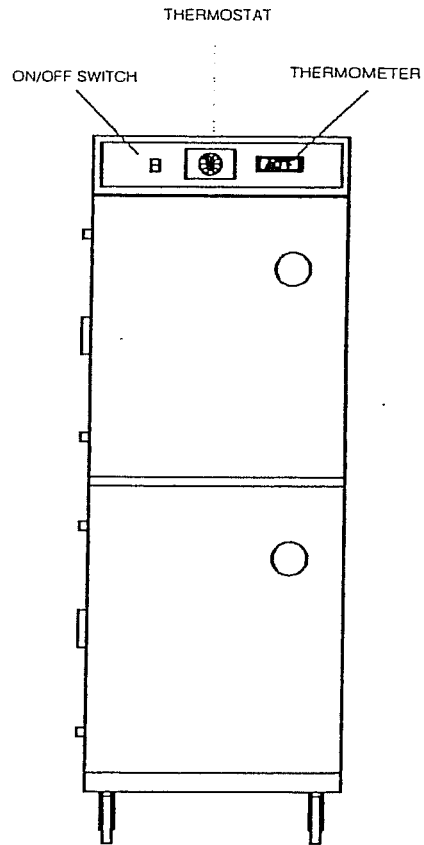


FIGURE 2
Model R141FUA12, Top-mount Refrigerated Cabinet
(Showing a CU67177 Cooling Unit on a R141F Cabinet)

3. Unit is designed to maintain temperatures below 40° F. Adjust the thermostat until the temperature is in this range.

To Shut Unit Off: Turn switch to "Off."



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MAINTENANCE:

Periodic cleaning of compressor-condensor coil and condensate evaporator pan is recommended to insure peak performance and durability.

To clean, remove top and vacuum out dust, dirt, and scale.

Adjusting Thermostat Calibration:

We recommend that you *DO NOT* adjust thermostat; we *DO* suggest you replace it when it needs replacing (see *Parts List*, page 3).

HOW TO CHARGE and SERVICE THE REFRIGERATION SYSTEM

The system high-side pressure should be 235 lbs.; the low-side should be 150 lbs. at 70° F. (room temperature). The charge should be 18 oz. of R12 Freon. The service valves are located on the condenser assembly.

Unit is designed to maintain a 7° super-heat temperature across the evaporator coil, once the cabinet is cooled to below 40° degrees F.

Thermostat is a constant cut-in type. It is designed not to turn on (cut-in) until the evaporator coil

HOW TO CLEAN UNIT:



BEFORE CLEANING CABINET:

1. REMOVE THE COOLING UNIT FROM THE CABINET.
2. DO NOT USE ABRASIVES OR HARSH CHEMICALS.

Cleaning Notes:

1. Wipe up spills as soon as possible.
2. Clean cabinet regularly to avoid heavy dirt build-up.
3. Use cleaner on a test spot before cleaning cabinet.
4. Follow cleaner manufacturer's directions.
5. Do not mix cleaners.
6. Avoid drips and splashes.

| | Soil | Cleaner | Method |
|---|----------------------------|--|--|
| CABINET | Routine cleaning | Soap, ammonia, or detergent* and water | 1. Sponge on with cloth. 2. Rinse. |
| Inside and Outside (Stainless Steel) | Stubborn spots and stains | Mild abrasive made for stainless steel | 1. Apply with damp sponge or cloth. 2. Rub lightly. |
| | Hard water spots and scale | Vinegar | 1. Swab or wipe with cloth. 2. Rinse and dry. |

TROUBLESHOOTING GUIDE:

Possible causes of failure to operate:

- A. PILOT LIGHT DOES NOT GO ON.**
1. No power; defective cord or connections.
 2. Defective switch.
 3. Defective internal wiring.
- B. COMPRESSOR FAILS TO OPERATE.**
1. Thermostat turned to "Off," or is set too high.
 2. Service valves on compressor not open.
 3. Defective controls.
 4. Defective overloads on compressor.
 5. Defective compressor.
 6. Defective high pressure limit.

- C. COMPRESSOR STARTS AND STOPS FREQUENTLY.**
1. Compressor valves not open.
 2. Loose wiring connection.
 3. Condenser or evaporator fan not operating.
 4. Defect in unit causing pressure limit to operate.
 5. Expansion valve defective.
- D. CABINET FAILS TO GET COLD WHILE COMPRESSOR IS RUNNING.**
1. Circulation fan defective.
 2. Compressor service valve not completely open.

If the cause is none of the above, refer to authorized service centers list, FL-1400. Instructions for replacing parts are included with replacement parts



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REPLACEMENT PARTS

When ordering a replacement part, please include all information shown on the cooling unit nameplate - in addition to the CMP number of the part or parts required.

| Part | CMP No. |
|-------------------------------|----------------------|
| Cooling Unit (Top) | CU67177 |
| Condenser (Compressor) Ass'y. | 0854-029 |
| Evaporator Fan Motor | 0769-041 |
| Cord Set (Complete) | 0810-031 |
| Thermostat | 0848-061K |
| Lighted Rocker Switch | 0808-103-02 |
| Evaporator Coil | 0855-003-01 |
| Thermometer (Digital) | 5238-024 |
| Door Latch Kit | 1006-108-K1 1006-082 |
| Receptacle | 0713-011 |
| Transformer | 0769-159 |
| Relay | 0857-100 |
| Float Switch | 0857-114 |
| Pump | 0769-160 |
| High Pressure Limit Switch | 0857-112 |
| Condensate Evaporator Pan | 0855-010 |

Gasket Kit 0861-125
Therm. Exp. Valve: 0857-113-01

WIRING DIAGRAM LEGEND

| | |
|-----|--|
| CF | Condensor Fan |
| CH | Condensate Heater |
| CM | Compressor Motor |
| CP | Condensor Fan Motor |
| EF | Evaporator Fan Motor |
| F1 | Flanged Inlet, Power In |
| HPL | High Pressure Limit Switch |
| HTL | High Temp., Limit, Compressor Motor |
| P | Pump, Water |
| PL | Pilot Lamp, Power On |
| R | Relay |
| S1 | Sensor |
| SC | Start Capacitor |
| SR | Start Relay |
| SW | Power On-Off Switch |
| T | Transformer |
| TD | Temperature Display |
| TH | Thermostat, Cold Control |
| WLS | Water Level Switch |

Notes:

- *Denotes control panel ground screw.
- Sensor may have this lead omitted.

