



CRES-COR
CROWN-X

MOBILE FOOD SERVICE, COOKING, HOLDING AND TRANSPORTING EQUIPMENT
CRESCENT METAL PRODUCTS INC. 12711 TAFT, CLEVELAND, OH. 44108-1683 U.S.A.

SERIES R-171 Refrigerated Cabinets	FL-305-A
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OPERATING and MAINTENANCE INSTRUCTIONS

for CRES-COR Refrigerated Cabinets, Models R-171-UA9A,
R-171-US3A, R-171-UPC48A, and R-171-US4-BA

HOW TO INSTALL THE CABINET:

1. Remove all packing material from inside the cabinet.

2. INSTALL ALL ANGLES AND SHELVES BEFORE UNIT IS TURNED ON.

Angles and Tracks:

- Check the height of the pans or carriers that are going to be used so you can figure how much space you will need between angles.
- Set rear pin of angle in keyhole slot in back of cabinet. Push angle back (see Fig. 1, 2 and 3).
- Set front pin in slot in front of cabinet; push down.

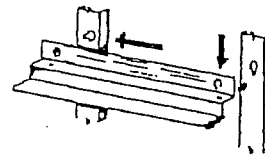
Shelves:

(Refer to data plate on the cabinet for your model number.)

-UPC model and -US model shelves slide in and out of angles.

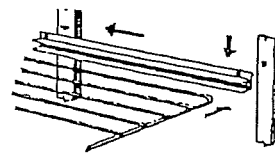
3. Remove tape from drip pan at lower rear of unit. Make sure pan is in place (see Figure 4).

NOTE: No adjustment or preparation is needed for refrigeration system.



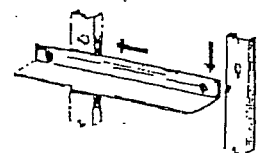
Universal Angles (-UA)

FIGURE 1



Slide-out Shelves (-US)

FIGURE 2



Stub Angles for Plate Carriers (-UPC)

FIGURE 3

ELECTRICAL CONNECTIONS:

	115 Volt Vac	230 Volt Vac
Current Draw:	7.7 Amps	3.9 Amps
Cycles:	60 Hz.	60 Hz.
Phase:	Single	Single
NEMA	5-15P	6-15P

- Turn Switch to OFF.
- Plug cord into lower rear of cabinet. Turn cord to the right to lock it (see Figure 4).
- Plug other end of cord into wall outlet.

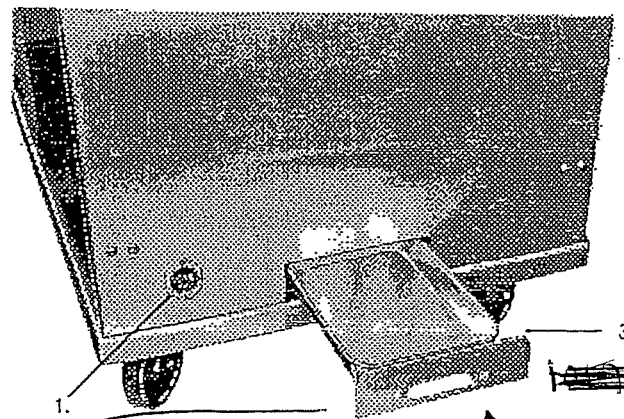
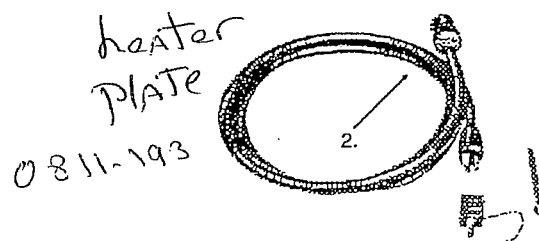


FIGURE 4

- Base Receptacle
- Cord Set
- Drip Pan



1419-019-1

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HOW TO OPERATE:

To Start (See Fig. 5):

1. Turn thermostat so arrow points up (middle of dial).
2. Turn Switch to ON. Power light will come on and motor will start.

Hint:

1. Listen closely for the motor. It will give off a loud, whining noise at first, then quiet down.
2. If you do not hear sound of motor, *turn Switch to OFF right away.* See "Trouble Shooting."

To Run the Unit:

Keep the thermostat so arrow points up. The temperature will be 38° F. to 42° F.

To Shut Unit Off: Turn Switch to OFF.

MAINTENANCE:

How to Adjust the Latch (Figure 6):

The latch is adjusted at the factory and should not be readjusted before units are operated.

If the door is not latching properly:

1. Look inside opening in the back of the latch to see if the spring is broken (a new spring may be ordered).
2. The strike may need adjusting as follows:
 - a. Loosen set screw in the front of the strike mounting plate with the allen wrench provided.
 - b. Turn the strike counter-clockwise, one full turn, to bring the strike forward.
 - c. Make sure the keyway on the strike faces upward.
 - d. Tighten the set screw.

NOTE: Set screw will not screw down if it is not sitting in the keyway.

IT IS NOT NECESSARY TO SLAM THE DOORS TO INSURE PROPER LATCHING.

- FIGURE 6
1. Keyway
 2. Strike Bracket
 3. Slotted Holes in Side of Strike Bracket for Vertical Adjustment
 4. Threaded Strike
 5. Set Screw Location
 6. Acorn Nut, Lockwasher

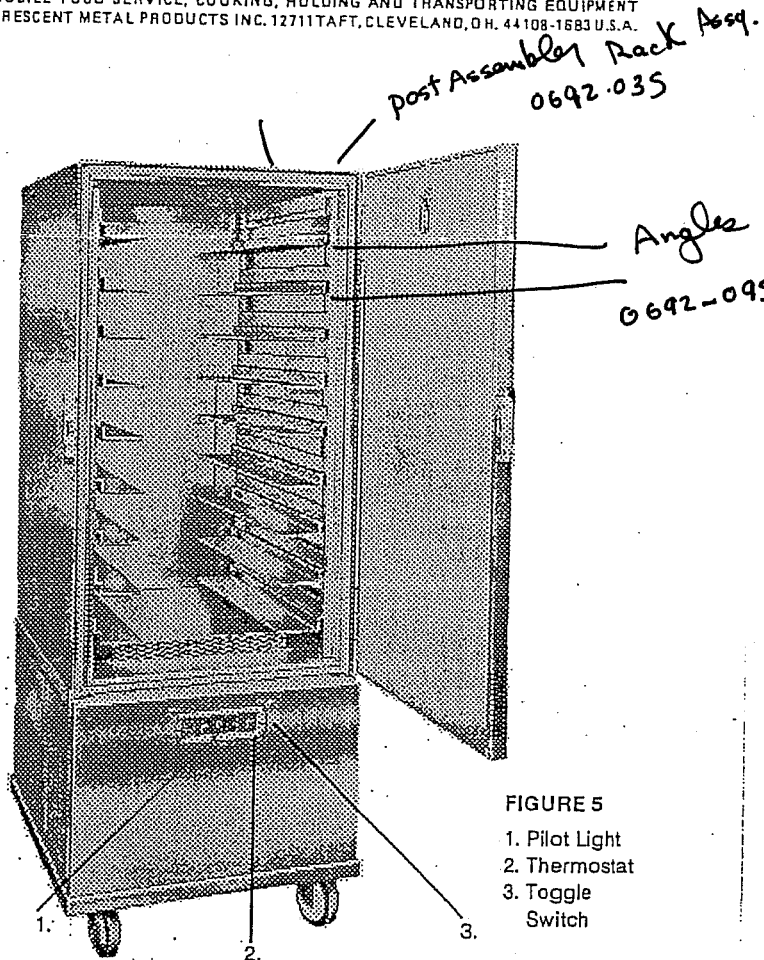


FIGURE 5
1. Pilot Light
2. Thermostat
3. Toggle Switch

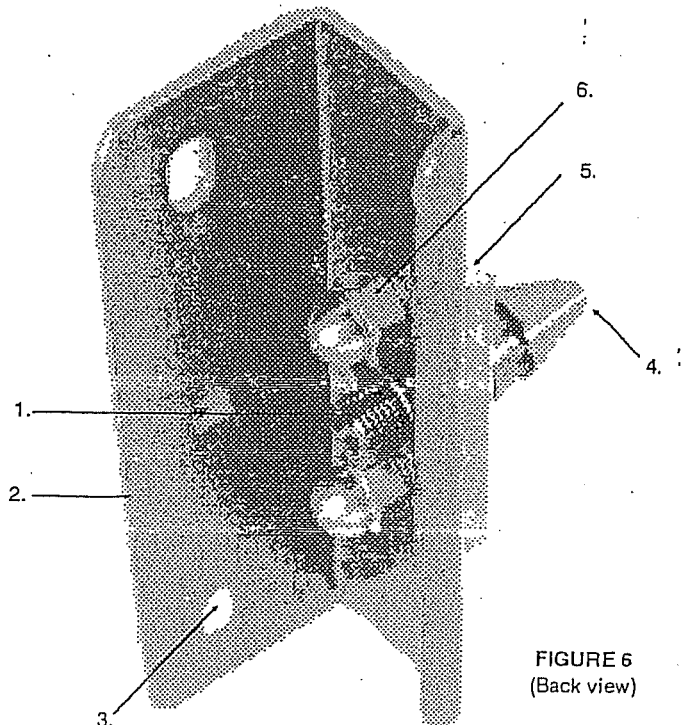


FIGURE 6
(Back view)



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HOW TO ADJUST THE THERMOSTAT:

We recommend that you *DO NOT* adjust the thermostat. It is too complicated; we do suggest that you replace it when it needs adjustment (See "Parts List").

HOW TO CLEAN THE CABINET:

WARNING

1. REMOVE POWER CORD FROM CABINET BEFORE CLEANING.
2. DO NOT HOSE CABINET WITH WATER.
3. DO NOT GET WATER IN COMPRESSOR COMPARTMENT.
4. DO NOT USE ABRASIVES OR HARSH CHEMICALS.

HOW TO CHARGE AND SERVICE THE REFRIGERATION SYSTEM

System's high side pressure should be 120 pounds; low pressure should be 30 pounds at the 70° F. setting. The charge should be 12.25 ounces of R-12 Freon. Service valves are located on the condenser assembly.

Cleaning Hints:

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

	Soil	Cleaner	Method
DOORS (Laminated Vinyl)	Dirt	Mild detergent* and water.	1. Wipe with soft, damp cloth. 2. Rinse well.
	Grease and oil	Weak, alcohol-type cleaner.	1. Wipe with soft, damp cloth. 2. Rinse well.
CABINET (Aluminum)	Dirt	Mild detergent* and hot water, or mild abrasive cleaner.	1. Wipe with soft, damp cloth. 2. Rinse with hot water. 3. Wipe dry.
		Steam (no strong alkaline additive)	1. Rinse after steam cleaning. 2. Wipe dry.
	Fingerprints, grease, oil	Mild detergent* and hot water.	1. Wipe with soft, damp cloth. 2. Rinse with hot water. 3. Wipe dry.
		Chemical oven cleaner for aluminum.	Follow oven cleaner manufacturer's instructions.
Water Spots	Mild abrasive cleaner. Oily or waxy cleaner. Mild abrasive cleaner.	Apply with soft, clean cloth. Wipe with damp cloth.	

*Mild detergents include soaps and non-etching cleaners.

TROUBLE-SHOOTING GUIDE

Unit is designed to maintain an 8-10° F. temperature drop across the evaporator coil and a 50-60° F. super-heat 6 inches from suction line service valve, when the unit has cooled down to below 40° F.

Thermostat is a constant cut-in type. It is designed to not turn on (cut-in) until evaporator coil reaches 40-41° F.

Accumulator on suction line - 0854-044



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TROUBLE-SHOOTING GUIDE (Continued):

Unit Condition: Unit is plugged in; Switch and Thermostat are ON.

Failure -	Probable Cause:
Power Light off	Power cord
Compressor off	Power supply down
Evaporator fan on	Thermostat defective
Power Light on and Compressor off	Defective start relay
	Defective high limit thermostat
Compressor on and cabinet not cooling	Low charge
	Frost buildup on evaporator coil
	Evaporator fan defective
	Thermostat defective
	Blocked capillary tube
Compressor starts and stops; cabinet not cooling	Blocked capillary tube
	Low charge
	Faulty start capillary
	Faulty start relay
	Shorted compressor winding

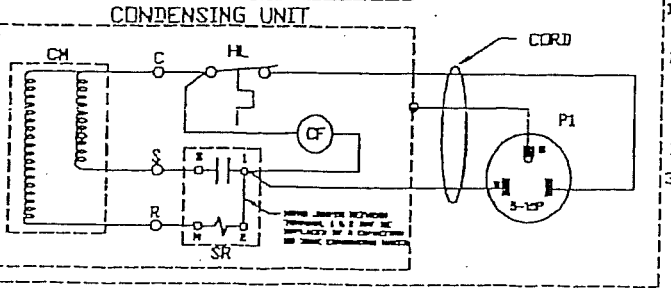
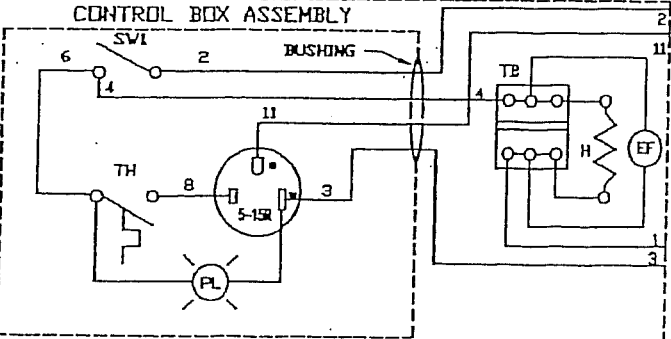
Door Assembly
1221-387-K

Condenser Conversion Kit
0854-037-K1

Evaporator Assy 1416.039

- NOTES:**
- For replacement of the electrical parts, refer to our list of authorized service centers (FL-1400).
 - Instructions for replacing parts are included with the replacement part.

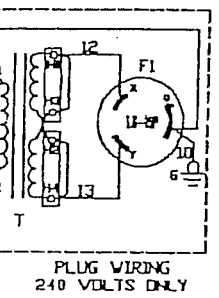
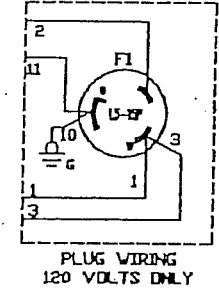
BASE ASSEMBLY Cover plate evaporator: 1416-013



Angels 0692-095-K Soap Pan 1419-019-K
REPLACEMENT PARTS (120 and 220 VOLT)

Description	Part Number
Condenser/Compressor Assembly	854-31 0854-03 K1
Cord Set (120 Volt)	810-31-1
Cord Set (230 Volt)	810-32-1
Evaporator Coil	855-3
Fan Motor	769-41
Fan Motor Blade	769-23
Hinge Kit, RH	0519-023K 6507
Hinge Kit, LH	0519-024K 6507B
Pilot Light "Power ON"	766-48
Plate Carrier with Angles	645-5
Slide-Out Shelf with Tracks	699-2
Switch, Power ON/OFF	808-11
Thermostat	857-23
Thermometer Kit	5238-9K
Transformer, step-down (230/120 Volt)	769-130
Universal Angle	692-95
Door Gasket	0861-081 Rack Assy
Door Latch Replacement Kits	0692-035
Latch and Strike, RH	1006-108K1 1006-86
Latch and Strike, LH	1006-108K1
Latch only	1006-112
Strike only	1006-99-1
Strike only, RH	006-100-1

heater plate 0811-193
insulation 1228-065-04
Bracket -1419-044



- pan @ 1419-019 Rack Assy 0692-035
- LEGEND**
- C - Coil
 - CF - Condenser Fan Motor
 - CM - Compressor Motor
 - EF - Evaporator Fan Motor
 - FI - Flanged Inlet - Power In
 - GRD - Chassis Ground
 - H - Condensate Evaporator Heater
 - H.L. - Compressor Motor; Hi-Temp Limit
 - P1 - Condenser Ass'y. Plug
 - P.L. - "Power On" Pilot Lamp
 - P1 - Condenser Ass'y. Receptacle
 - SR - Compressor Start Relay
 - SW1 - Power On-Off Switch
 - TH - Thermostat, Cold Control

0861-202 Gasket Mag.

Dryer - 0858-008