

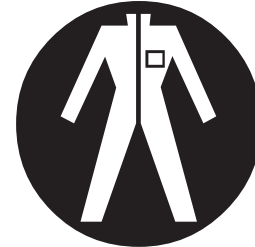
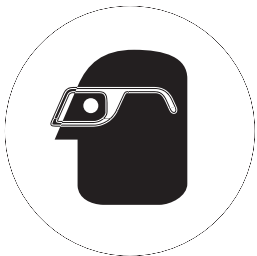


BEFORE YOU BEGIN
Read these instructions completely and carefully.



PERSONAL PROTECTION EQUIPMENT (PPE)

Personal Protection Equipment (PPE) is required whenever servicing this equipment. Always wear safety glasses, gloves, protective boots or shoes, long pants, and a long-sleeve shirt when handling glass.



ANSI Z535.5 DEFINITIONS



• **DANGER** – Indicate[s] a hazardous situation which, if not avoided, will result in death or serious injury.



• **WARNING** – Indicate[s] a hazardous situation which, if not avoided, could result in death or serious injury.



• **CAUTION** – Indicate[s] a hazardous situation which, if not avoided, could result in minor or moderate injury.

• **NOTICE** – *Not related to personal injury* – Indicates[s] situations, which if not avoided, could result in damage to equipment.



CAUTION

Do not carry glass doors by the handle. Grasp each door firmly with both hands.



WARNING

Always disconnect the electrical power at the main disconnect when servicing or replacing any electrical component. This includes, but is not limited to, such items as fans, heaters, thermostats and lights.

Shut off electrical power at the main disconnect before working with any electrical components.

If it is discovered that the high ambient heater is not operating properly it may be replaced with a new heater. The heater is located in the mullion underneath the LED light bar.

1. Follow these steps to remove the old heater:

The doors must be removed first. Raise door up and out of the bottom hinge plate. Slide door out of top casting. Be careful when handling glass doors. Store doors in a secure place to prevent damage or personal injury from broken glass. Do not carry glass doors by the handle.

2. Remove the retainer brackets that attach the bottom rail retainer (2 brackets and 2 screws). Remove the bottom rail retainer.

3. Remove the heater connection under the retainer.

4. Remove LED connections from the case canopy.



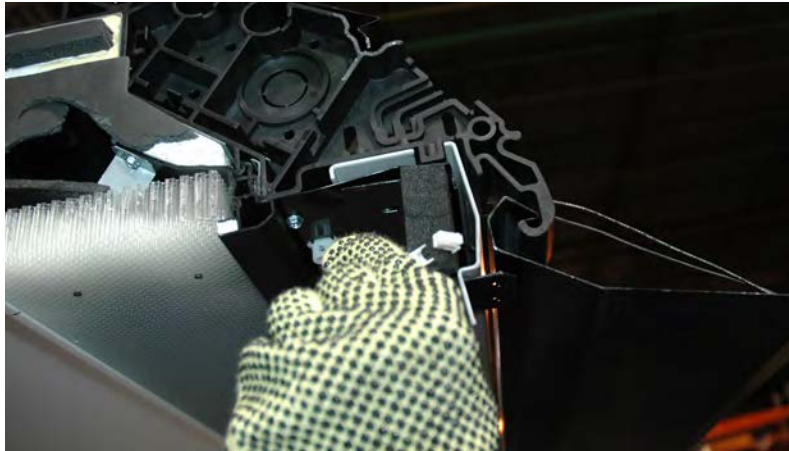
Bottom Rail Retainer



Heater Connection under Retainer

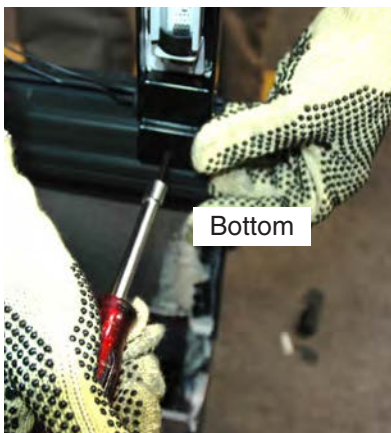


LED Connection



Heater Harness Connections

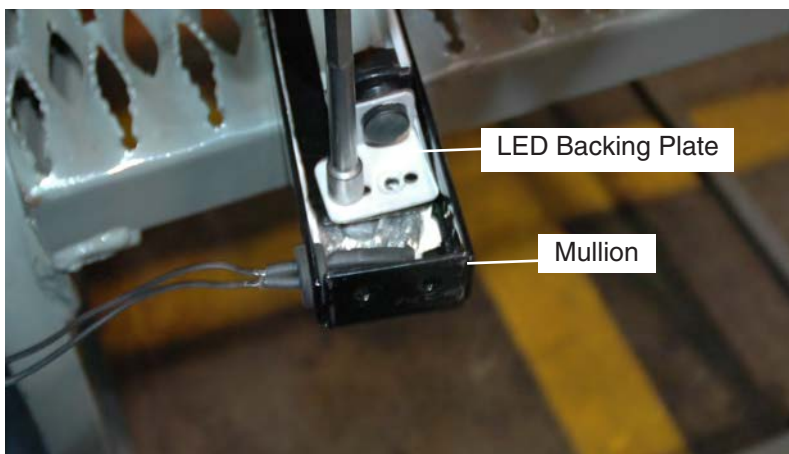
5. Remove old heater harness connections (near the canopy).



Mullion Cover Plate

6. Remove mullion cover plate at both top and bottom locations.

7. Remove the mullion.



LED Backing Plate

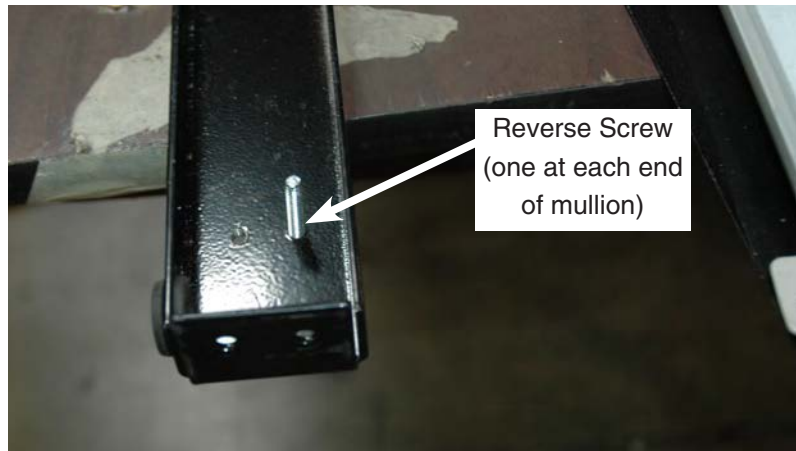
8. Remove LED bracket, LED and backing plate.

9. Pull out lead heater wire from bushing. Insulation and the heater stick together — pull out.



Heater wire pulled out of Bushing

10. 1" screws (2) are supplied with the heater kit. Install the two screws diagonally from opposite side of mullion as a guide to install the replacement heater.



Install Screws Reversed

11. Install replacement heater. Insert wiring through the bushing.



Replacement Heater in Mullion



Gasket starts from below holes on top of the mullion as shown

12. Install replacement gasket



Reinstall Screws into LED Backing Plate

13. Install 1/2" screws (supplied with heater kit) from the inside of the mullion into the light bar. Take out the two diagonal screws from the outside that were used as a guide (These screws will no longer be used.) Reinstall screws from the inside as shown in the photo at left.

14. Reinstall the heater connections and LED connections. Replace mullion, mullion covers and retainer panels.

15. Replace doors

Adjusting EcoVision Doors

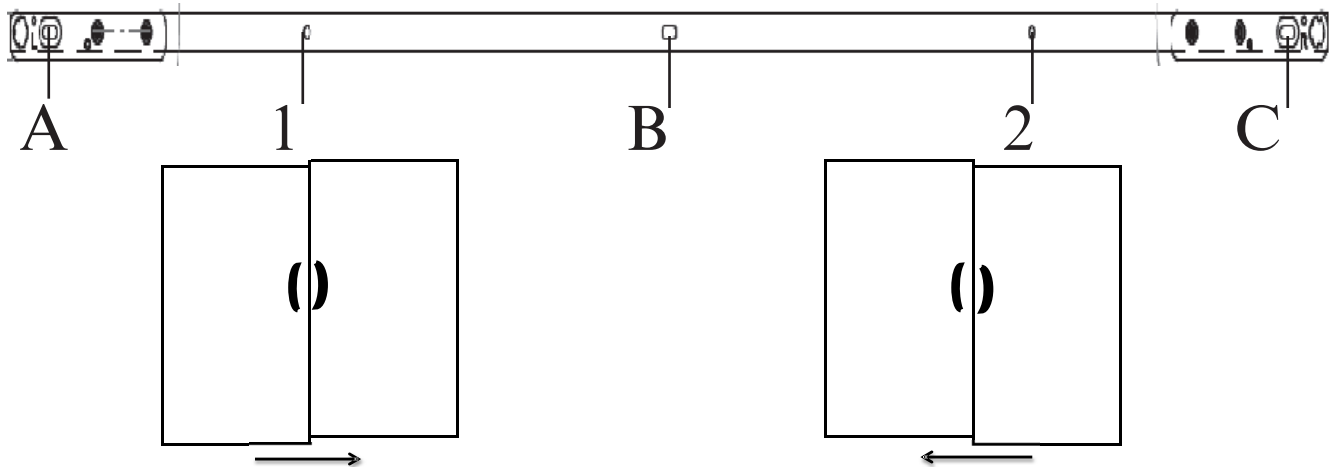
A. Leveling — Merchandisers must be installed level to ensure proper operation of the refrigeration system, and to ensure proper drainage of defrost water.

Glass alignment is also affected with improper leveling of the merchandisers. All steps of setting, joining and case leveling attention to the glass position is critical. Do not attempt to make glass adjustments prior to case leveling.

B. Door Adjustment — Loosen the screws A, B and C as shown below (Do not remove the screws completely).

Slide the bottom plate left and right until proper alignment is achieved. Retighten the screws A, B and C. Install fasteners in locations 1 and 2 as shown below.

EcoVision Door Alignment - Modular Bottom Hinge Plate



To Correct Shift the Bottom Plate to the Right

To Correct Shift the Bottom Plate to the Left

16 Increase / Decrease Door Tension

A. Check that each EcoVision door opens and closes properly. The door’s closing speed may be adjusted by rotating the adjustable tension rods near the hinge of each door.

B. Use a ½ inch wrench to adjust torsion rod. To increase tension, turn wrench toward the door handle until torsion rod seats in bottom hinge plate assembly. An audible “click” is heard while adjusting. Generally, the torsion rod should be adjusted to 4 or 5 clicks. The maximum amount of clicks is 6. Do not over-torque. See next step if the wrench can not be put on the torsion rod because of interference with the contour / rectangular end.

C. Do not over-torque the hinge spring assembly. Lift door up and out of bottom hinge plate to remove door tension. Do not use wrench to decrease door tension as this may damage the star pattern on the bottom hinge plate assembly.

17 Adjusting Door Tension Rods —near ends of case (2 operators required, one to hold door, the other adjusts tension). Occasionally, the “ends” may interfere with making adjustments to the tension rods.

A. Remove screws from plate assembly bottom hinge. Slide the bottom of the door and the hinge assembly away from the contour / rectangular end so that the wrench will fit on the torsion rod. Adjust the torsion rod to the desired tension. Move door back to original position and reinsert screw into plate assembly bottom hinge. See Fig. 20-1.

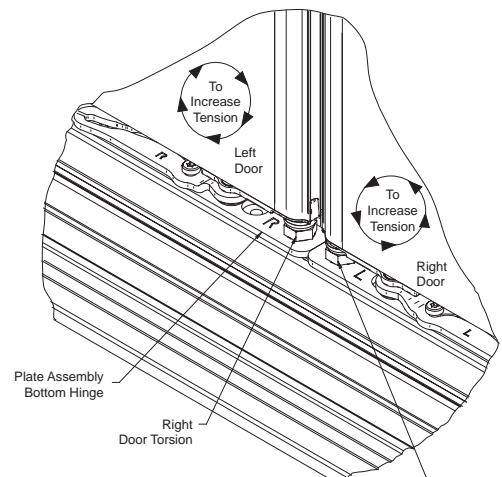


Figure 19-1

Rod Assembly LH Door Torsion
Turn towards door 1 “click” or 1 turn to lock torsion into next set of teeth. Make sure torsion rod is seated into bottom hinge plate.

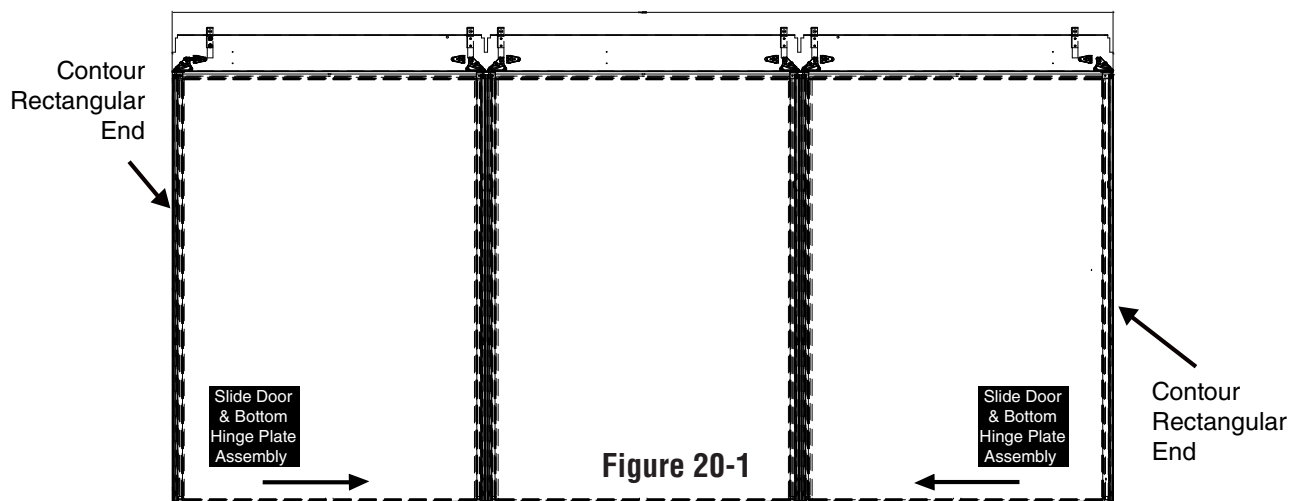


Figure 20-1

18 Turn back on electrical power and ensure heater(s) are in good working order.



This warning does not mean that Hussmann products will cause cancer or reproductive harm, or is in violation of any product-safety standards or requirements. As clarified by the California State government, Proposition 65 can be considered more of a 'right to know' law than a pure product safety law. When used as designed, Hussmann believes that our products are not harmful. We provide the Proposition 65 warning to stay in compliance with California State law. It is your responsibility to provide accurate Proposition 65 warning labels to your customers when necessary. For more information on Proposition 65, please visit the California State government website.