

# GUARDIAN® MERCHANDISER PACKAGED REFRIGERATION

## UNIT (PRU) FIELD REPLACEMENT GUIDE

Instructions for removing and installing the PRU after Guardian® Merchandiser installation.

**Note:** The following procedure will name specific tasks for technician one and technician two. Technician one will be positioned on the left side of the PRU when facing the front of the PRU. Technician two will be positioned to the right side of the PRU when facing the front of the PRU.

1. Place a step ladder in front of the display case.
2. Remove power and disconnect all power supplies from PRU to the display case.

**!** CAUTION! DO NOT USE POWER TOOLS TO FASTEN OR UNFASTEN THE PRU. POWER TOOLS HAVE THE POTENTIAL TO DAMAGE THE PRU AND THE MOUNTING BOLTS.

**!** CAUTION! DO NOT REMOVE THE EVAPORATOR COVER BOLTS. THE EVAPORATOR COVER CREATES A SEAL THAT MAY LEAK IF REINSTALLED IMPROPERLY.

3. Unfasten the controller box from the case ceiling and position on top of PRU.
4. **If removing a PRU belonging to a multi-door case**, remove the 7 mounting bolts that are attaching the PRU unit to the display case (See Figure 1). **If removing a PRU belonging to a 1-door case**, remove the 6 mounting screws which are attaching the PRU to the display case (See Figure 2).
5. If present, remove the air deflector.
6. Technician one will stand in front of the display case and hold the front of the PRU while technician two slides the PRU to a maximum of 6 inches of overhang in front of the display case (See Figure 4).
7. Technician one and technician two will lift their respective sides of the PRU and place on a work cart or ground as needed.
8. Cover the PRU ventilation holes with cardboard if the replacement PRU will not be installed for more than 30 minutes.

**Note:** Ensure the PRU being placed matches the cooler or freezer.

9. Technician one and technician two will each lift their respective side of the replacement PRU and place the rear of the replacement PRU on top of the display case.
10. Both technicians will slide the replacement PRU towards the rear of the display case until a maximum of 6 inches of the replacement PRU overhangs the front of the display case.

**!** CAUTION! DO NOT PUSH THE PRU COMPLETELY ONTO THE DISPLAY CASE. PUSHING THE PRU COMPLETELY ON TOP OF THE DISPLAY CASE CAN RISK IN THE PRU FALLING BEHIND THE DISPLAY CASE AND WILL MAKE ALIGNMENT MORE DIFFICULT.

11. Technician one will maneuver toward the front of the replacement PRU while keeping at least one hand on the unit at all times. Technician two will move to the top of the step ladder (See Figure 4).
12. Technician two will orient the replacement PRU to align the mounting holes as technician one pushes the replacement PRU toward the rear of the display case (See Figure 4).

**Note:** If removing a PRU belonging to a multi-door case, an 18" socket extension is recommended to reach the center-rear mounting bolt.

13. **If removing a PRU belonging to a multi-door case**, attach the replacement PRU to the display case using the 7 mounting bolts provided. Torque bolts using a cross pattern (See Figure 1). **If installing a PRU belonging to a 1-door case**, secure the PRU to the display case using the 6 screws, 4 short screws and one long screw (See Figure 2).
14. Prime the trap with 2 fluid ounces of water (See Figure 4).
15. Connect the PRU power sources, then apply power to the display case.

FIGURE 1: PRU Torque Order

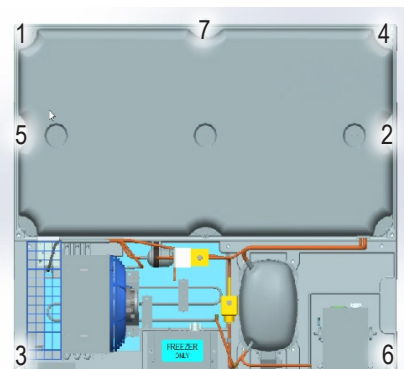


FIGURE 2: PRU Screw Mounting Order

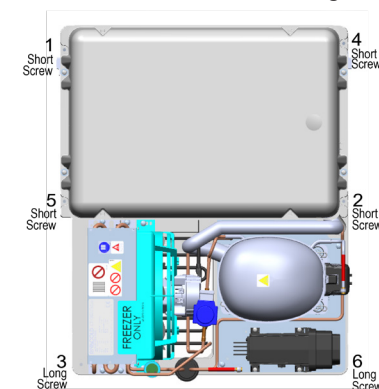


FIGURE 3: Lifting the PRU



FIGURE 4: Adjusting the PRU



FIGURE 5: Drain Trap Location

