Dixie-Narco, INC

Technical Bulletin

Bulletin Number: DGM-004 Revision Number: R-001

Release Date: May 6, 1996 Revision Date: May 7, 1996

SUBJECT: **DGM Temperature Control Relocation Kit**

MODELS AFFECTED: All DGM's

SERIAL BREAK: 0001-7015DS and higher

REASON: To provide a kit to relocate the temperature control to the plenum panel on DGM's placed in cold locations. When the ambient temperature falls below 40^0F, the "body" of the temperature control will begin controlling the refrigeration system. This in turn will prevent the system from turning on, resulting in the cooler becoming warm.

ORDER:	588,012,100.04	DGM Temperature Control Relocation Kit
Kit Contents:	1 - 804,904,420.31	20" Ground Lead (602570)
	1 - 900,800,500.01	Keps Nut, #8-32
	2 - 801,807,490.01	Clip
	1 - 803,847,080.21	Temperature Control Label

Tools Required:
1 - Drill
1 - 3/16" Drill Bit
1 - 1" Chassis Punch
1 - File

To relocate the DGM Temperature Control:

1. Unplug the DGM.
2. Remove the bottom shelf and shelf clips.
3. Remove the plenum panel from the cabinet. Keep the four screws used to secure the plenum panel.
4. Remove the discharge nozzle from the cabinet. Keep the three screws used to secure the discharge nozzle.

5. On DGM's serialized prior to 0001-7024AT, including production runs 7030 and 7025, remove the two mullion covers.
6. Remove the front grill from the cabinet.
7. Locate the temperature control on the front right base box.
8. If the temperature control has a knob, remove the knob.
9. Unplug and remove the temperature control from the temperature control mounting bracket. Keep the two screws used to secure the temperature control.
10. Remove the temperature control from the DGM. Do not damage the temperature control probe (tube).
11. Remove the temperature control mounting bracket from the front right base box.
12. Use the temperature control mounting bracket as a template. Place it on the plenum panel as shown in figure 1, page 3. Mark the two screw holes for drilling and the large hole for punching.
13. Remove the temperature control mounting bracket. At the two screw hole marks, "B", drill 3/16" holes. At the large hole, "C", use a 1" chassis punch. (See figure 1, page 3.)

Important: File any sharp edges on the plenum after drilling or punching.

14. Route the temperature control lead up through the left mullion notch and over to the right side of the refrigerated compartment.
15. On venders serialized prior to 0001-7024AT, including production runs 7030 and 7025, install the two mullion covers.
16. Install permagum to block any open holes in the mullion notches.
17. Install the discharge nozzle using two of the three screws/bolts removed in step 5.

Note: Do not install the third (far right) screw/bolt at this time. See "A", figure 1, page 3.

18. Install the two clips with self adhesive backs (801,807,490.01) on the back of the plenum panel as shown in figure 1 on page 3.
19. Install the temperature control label over the holes drilled in the plenum panel, as shown in figure , page 3.

Note: The "OFF" setting should be in the 12 o'clock position.

20. Place the temperature control on the back of the plenum panel and secure with the two screws removed in step 9.

Important: The "OFF" setting of the temperature control should be in the 12 o'clock position.

21. Route the temperature control lead through the two clips installed on the plenum panel in step 18.

IMPORTANT: ENSURE THE TEMPERATURE CONTROL PROBE DOES NOT COME IN CONTACT WITH ANY METAL SURFACES.

22. Install one end of the 20" ground lead (804,904,420.31) to one of the temperature control screws. Secure the ground wire with a #8-32 keps nut (900,800,500.01).
23. Place the plenum panel with the temperature control installed in the DGM.
24. Lift the front end of the plenum panel, secure the free end of the 20" ground wire (installed in step 22) to the discharge nozzle using the one remaining screw/bolt removed in step 5.
25. Plug the temperature control lead to the temperature control at this time.
26. Secure the plenum panel to the DGM using the screws/bolts removed in step 4.
27. Install the knob, to the temperature control if used.
28. Adjust the temperature control to setting 5.
29. Test the cooler for proper operation.
30. If testing is acceptable, install the bottom shelf clips and the shelf.
31. Install the front grill.
32. Check the DGM after 24 hours for proper operation.

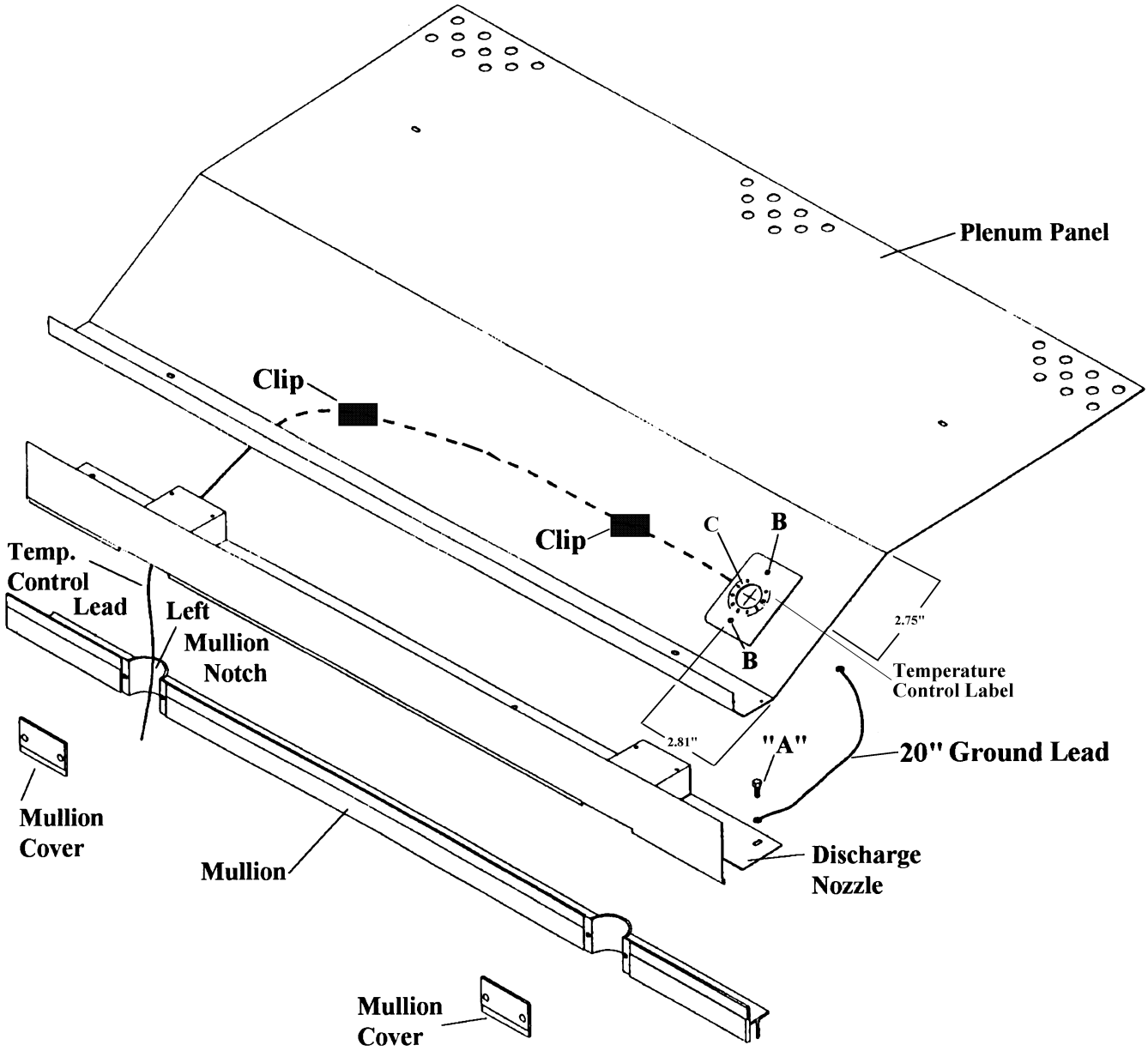
Plenum Panel
Clip
Clip
C
B
B
Temp.
Control
Lead
Left
Mullion
Notch
2.75"
Temperature
Control Label
2.81"
"A"
20" Ground Lead
Mullion
Cover
Mullion
Discharge
Nozzle
Mullion
Cover

Figure 1