Mold Clean-up and Mold Barrier Installation Instructions

Instruction Sheet

The following illustrates the installation of a mold barrier kit over the tower insulation after cleaning and drying the exposed insulating foam.

Situation/Background

Up through 2005, drop-in dispensers with foam insulated plug-in tower manifolds did not have an easily cleaned covering and were susceptible to mold growth. In 2004, an interim field solution to this problem was issued while development of a more robust fix was engineered.

We now have field retro fit kits similar to the cladding type barrier found on new equipment. The intent of these kits is to render the area behind the splash plate smooth and easily wiped off as well as to eliminate (or fill) hard to clean crevices using the silicone supplied with the kit.

Because not all drop-in dispensers with exposed foam exhibit mold growth, these kits are to be used when a specific unit is identified as needing the upgrade. Typically the retrofit will be scheduled as the result of a request by the outlet or due to notification by an inspector that the unit requires remedial action.

Field retrofit-able kits are now availably for:

Lancer 2323 6 valve Sabre towers	CC P/N 116347
Lancer 2323 6 valve stainless towers	CC P/N 116348
Lancer 2323 8 valve stainless towers	CC P/N 116349
Cornelius 2323 6 valve Sabre towers	CC P/N 116350
Cornelius 2323 6 valve stainless towers	CC P/N 116351
Cornelius 2323 8 valve stainless towers	CC P/N 116352

NOTE

For other units (mainly 1522 and 3023 dispensers), use the previous field fix CC P/N 107195 and follow the instructions in Service Bulletin #211.

Kit Contents

- Manifold Tower Cover
- Bin Male Connector Cover
- Bin Flat Area Cover (Lancer 6 valve Sabre and stainless towers)
- 2 Retainer Brackets
- 2 Retainer Bracket Screws
- Drain Seal/Coupler - Lancer equipment only
- Latex Gloves
- Tube of black Silicone

Materials and Tools Required

- 100 ppm solution of Kay 5 — CC P/N 25823
- Spray bottle for Kay 5 — CC P/N 23064
- Spray trigger — CC P/N 23065
- Alternate to Kay - Spray bottle of Tilex
- Brush — CC P/N 116329
- Roll of Paper Towels — CC P/N 114718
- Silicone Black Sealant — CC P/N 116178
- Caulk Gun — CC P/N 542397
- Heat Blower Gun (max temp 500°F) — CC P/N 1070073
- Latex Gloves (If extras needed) — CC P/N 113278
- Electrical Tape — CC P/N 104558
- Hack Saw Blade or Razor Knife — CC P/N 1070141
  - or Razor Knife — CC P/N 15950
  - or Pocket Knife
- Phillips Head Screwdriver
- Flathead Screwdriver

Survey

NOTE

Typically a survey is done to determine the dispenser model, check the condition of the drip tray (especially the drip tray drain outlet) and whether an ice barrier is present. Order these additional parts if needed.

Lancer

6 Valve Stainless and Sabre Towers (2323)

- Drip tray — CC P/N 25977
- Ice barrier — CC P/N 1069362 (New w/ hold down wing nuts)
  CC P/N 26191 (Old Style w/o hold downs)

See note below

8 Valve Stainless (2323)

- Drip tray — CC P/N 28057
- Ice barrier — CC P/N 1069362 (New w/ hold down wing nuts)
  CC P/N 26191 (Old Style w/o hold downs)

See note below

Cornelius

6 Valve Stainless and Sabre Towers (2323)

- Drip tray — CC P/N 20528
- Ice barrier — CC P/N 109648 (New w/ hold down wing nuts)
  CC P/N 27300 (Old Style w/o hold downs)

See note below

8 Valve Stainless (2323)

- Drip tray — CC P/N 20466
- Ice barrier — CC P/N 109648 (New w/ hold down wing nuts)
  CC P/N 27300 (Old Style w/o hold downs)

See note below

NOTE

The new style Lancer and Cornelius ice barrier kits can be used on the older drop-ins either by drilling and tapping a hole (LN - 8-32; CN ¼- 20) for the hold down screw or removing the screws and not using the hold down provision.

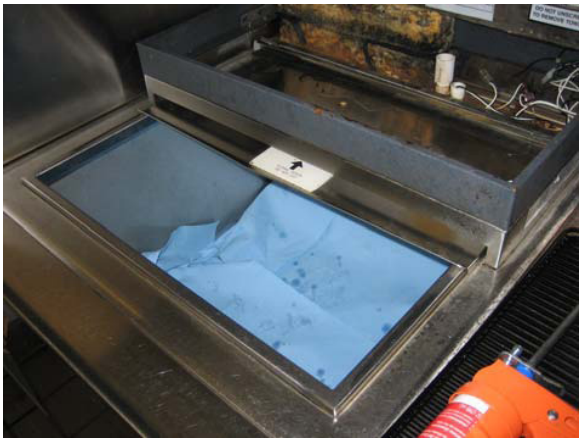
Instructions

NOTE

Typically for each dispenser, this service call will take an hour or less on site and should be scheduled at a time when the ice bin is expected to be empty (prior to opening) or the dispenser can be out of service for an hour. A type 9 scheduled call is recommended.

1. Disconnect power to the valves (turn off key switch or unplug transformer).
2. Remove all ice.
3. Remove drip tray and backsplash.
4. Unplug the 24 volt connector to the valves.
5. Tape the upper plug out of the way, see image below.

6. Spread paper towels in the bottom of the bin to catch any debris.



7. If mold is present, spray the mold areas with the Kay 5 solution or Tilex and let sit for 30 - 60 seconds.

8. Clean/brush the mold area by brushing the cleaning solution over the mold area (Recommended brush has a smaller head to fit into the tighter areas).

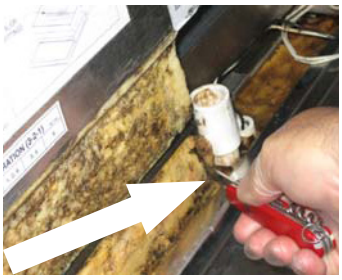
9. Spray again to rinse any loosened mold.
10. Go through steps 7, 8, and 9 a second time if necessary.
11. Wipe the cleaned area down with paper towels.

NOTE

The insulation may still be discolored but the chlorine in the cleaning solution will have killed the mold.

12. Using the heat blower, dry the insulation. Typically drying takes 3 to 5 minutes. Move the blower around to prevent excessive heating of the foam.

13. Trim the insulation according to images below (This shows the Lancer 6 valve Sabre which is the most complex to fit.)



TRIMMING NOTES

- **Some variation exists within each model and fine tuning of the trimming may be required to fit each piece.**
- **Trim the vertical edges as necessary to accommodate the barrier inner radii.**
- **Some units may require trimming along the entire left side of upper foam to provide room between the foam and tower (8 valve Lancer SS).**
- **The Lancer 6 valve Sabre and SS towers require trimming at the drain to provide a fit which will allow the new drain seal/coupler to be mounted. See images above.**
- **The 8 valve Lancer lower piece is based on current production and has a notch at the drain. Trim around the drain so that lower piece fits. Trimming at both ends will also be required.**
- **The lower piece for the Cornelius 6 valve units may require a small amount of foam to be removed along the top front and around the sides of the top to improve the lower piece fit.**

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14. Fit the lower barrier piece. To fit the lower piece in place, rotate it backward (upper edge away from the insulation) and place it into the opening between the insulation extension and the bin wall extension.
15. Rotate it into position, if necessary bending the left side out to slip it into place.

NOTE

Above is the Lancer Sabre version which has the large flange at the bottom. It faces toward the front of the dispenser and the small flange faces in at the top. This piece is the most difficult to fit and may take a bit of extra trimming of the insulation and positioning of the barrier. Make sure to have sufficient room to allow installation of the drain seal/coupler on the drain.

IMPORTANT

Most Lancer manifolds have a notch on the right side to accommodate a key switch. The upper mold barrier is designed to fit manifolds with the notches. If the manifold does not have a notch, the manifold will have to be modified by cutting a notch into the foam insulation. Follow step 16 if a notch needs to be cut.

16. To cut the notch, place the upper barrier in position locating it using the support bar as a guide. Holding the barrier in place, mark the notch location on the foam.

17. Cut the notch out approximately 1/8” larger than the mark.

18. Trim the corners edges of the insulation to allow the rounded interior barrier corners to fit over the insulation.

19. Fit the upper barrier over the manifold, making sure that it fits flush to the foam.

20. After fitting the lower and upper barrier pieces, remove them and install with silicone.
21. Silicone in front of the raised bin insulation as seen in image below.

22. Silicone the lower barrier per the image below.

23. Install the lower barrier by first rotating the barrier backward (upper edge away from the insulation) and placing it into the opening between the insulation extension and the bin wall extension.

24. Rotate barrier into position, if necessary bending the left side out to slip it into place.

25. Run a bead along the top of the lower barrier after it is in place.

26. Silicone the upper piece per the image below.

27. Install the upper barrier.

28. Install retaining brackets by first removing one of the screws holding the manifold tower to the tower cladding.
29. Using one of the longer screws provided, install one of the brackets per the image below. Repeat Steps 28-29 for second bracket.

NOTE

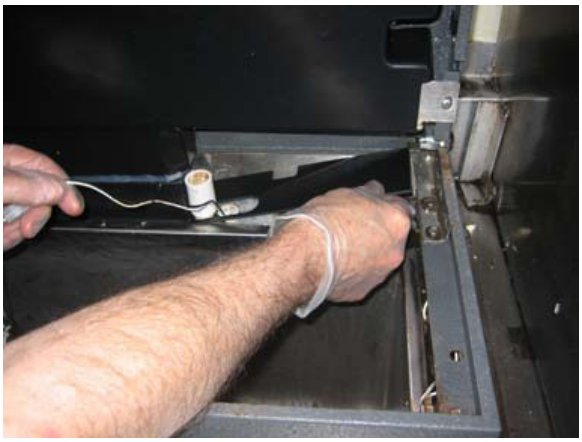
Steps 30-32 are for those dispensers that have a "flat" barrier covering part of the bin insulation.

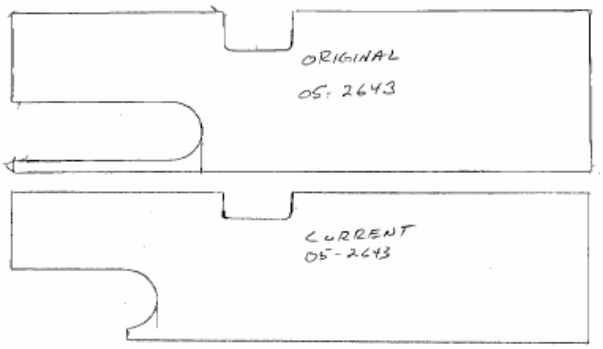
30. Check the fit of the flat barrier piece and assure that the piece will fit.
31. Apply silicone to the bin insulation especially around the notched area if your piece has one.

32. Install the flat barrier (for LN 6 valve Sabre and stainless only)

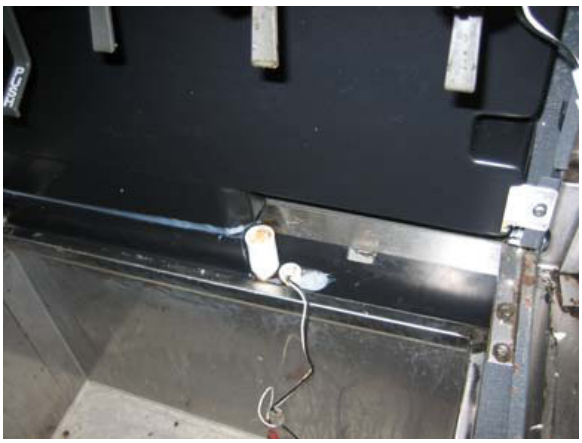
NOTE

This flat barrier has been modified from these pictures to simplify installation: See sketches below.





33. Run a bead of silicone at the interface between the lower and upper barriers. Smooth it with your finger.



34. Install the drain coupler/seal on the drain tube (Lancer units only)

35. Remove the paper towels, collect any remaining debris, and rinse and wipe the bin out as necessary.
36. Connect the bin switch and power to the valves.
37. Install the ice barrier (if available), drip tray, back splash and cup rest.
38. Connect the power and test to assure the dispenser functions.
39. Refill the ice bin.

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