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INSTALLATION AND SERVICE MANUAL FOR THE FLAVORSELECT 44 (FS-44) ICE BEVERAGE DISPENSER LANCER SERIES 15800



- | | | |
|------------------|---|-------------------|
| 85-15816-12-4-CN | ICE BEVERAGE DISPENSER, ABOVE COUNTER MULTI BRAND, 44 INCH WIDE, 16 BRANDS / 4 FLAVORS, 115V/60Hz | CUBE/PELLET ICE |
| 85-15816-12-4-CC | ICE BEVERAGE DISPENSER, ABOVE COUNTER MULTI BRAND, 44 INCH WIDE, 16 BRANDS / 4 FLAVORS, 115V/60Hz | CUBE/CUBE ICE |
| 85-15816-12-4-NN | ICE BEVERAGE DISPENSER, ABOVE COUNTER MULTI BRAND, 44 INCH WIDE, 16 BRANDS / 4 FLAVORS, 115V/60Hz | PELLET/PELLET ICE |

-This Manual supersedes Installation and Service Manual, 28-0585, dated 03/07/06.



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NOTES:

The FS-44 Merchandising Unit contains one Merchandising Kit and two FS-22 Dispensers.

For information concerning the specifications, operation and service for the FS-22 dispensers in the FS-44 unit, refer to Lancer Installation and Service Manual 28-0580, dated 01/18/06. This manual may be found on the Lancer Web Site at www.lancercorp.com.

SPECIFICATIONS

DIMENSIONS

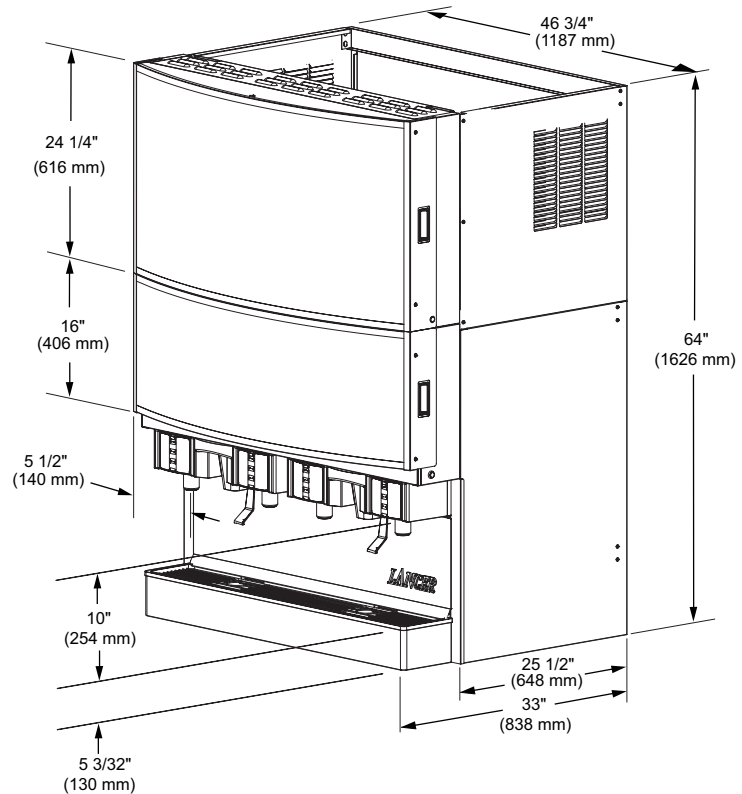
HEIGHT: 64.00 INCHES (1626 mm)
 WIDTH: 46.75 INCHES (1187 mm)
 DEPTH: 33.00 INCHES (838 mm)

COUNTER WEIGHT: (SEE SECTION 1.1.B)

SHIPPING WEIGHT: 250 LBS (113.4 KG)
 (CLADDING KIT ONLY)

ELECTRICAL

VOLTAGE: 115
 AMPS: 2.0
 Hz: 60



1. INSTALLATION

1.1 COUNTER SELECTION

- A. Select a location close to properly grounded electrical outlets (see Section 1.2, Electrical Requirements) and water supply that meet the requirements outlined below.
- B. Counter location must be able to support a minimum of 1300 pounds (590 kg) per complete FS-44 installation with Ice Makers installed.
- C. An optional Counter cutout, if required for installation of unit, is shown in Section 3.1. A full size template is provided with the FS-44 Installation Kit.

1.2 ELECTRICAL REQUIREMENTS

WARNING

ALL ELECTRICAL CIRCUITS MUST MEET LOCAL BUILDING CODES. EACH DRINK DISPENSER MUST BE SUPPLIED WITH A SEPARATE ELECTRICAL CIRCUIT.

Each FS-22 dispenser must have an independent 115 Volt, 60 Hz, 20 Amp grounded circuit. The ice dispenser should be connected per the manufacturer's recommendations.

NOTE

An Ice Dispenser Installation Manual should be available from the manufacturer of the Ice Dispenser.

1.3 DRAIN REQUIREMENTS

Install Drip Tray and extend hose to open type drain.

1.4 REQUIRED TOOLS FOR INSTALLATION

The following tools will be required for installation:

- A. Screw Driver, Phillips Head
- B. Proper lifting equipment

1.5 RECEIVING

Each kit is thoroughly inspected before shipment. At time of shipment, the carrier accepts the unit(s) and any claim for damages must be made with the carrier. Upon receiving unit(s) from the delivering carrier, carefully inspect carton(s) for visible indication(s) of damage. If damage exists, have carrier note same on bill of lading and file a claim with the carrier.

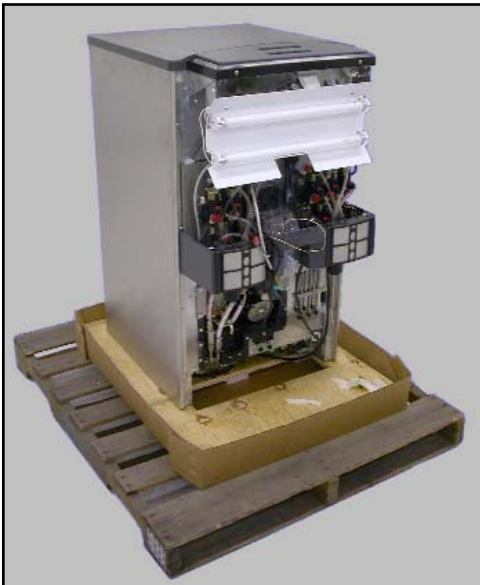


Photo 1



Photo 2

1.6 UNPACKING

- A. Carefully cut band and remove.
- B. Remove top portion of carton by lifting up.
- C. Remove inserts.
- D. Using proper lifting techniques, lift unit up by plywood shipping base, and remove lower portion of carton.
- E. Inspect unit for concealed damage (see Photo 1). If evident, notify delivering carrier and file a claim against same.
- F. Remove plywood shipping base from unit by locating unit so that one side is off the counter top or table, allowing access to screws on the bottom of the plywood shipping base (see Photo 2).

NOTE

If unit is to be transported or moved to its installation location, it is advisable to leave unit secured to plywood shipping base.

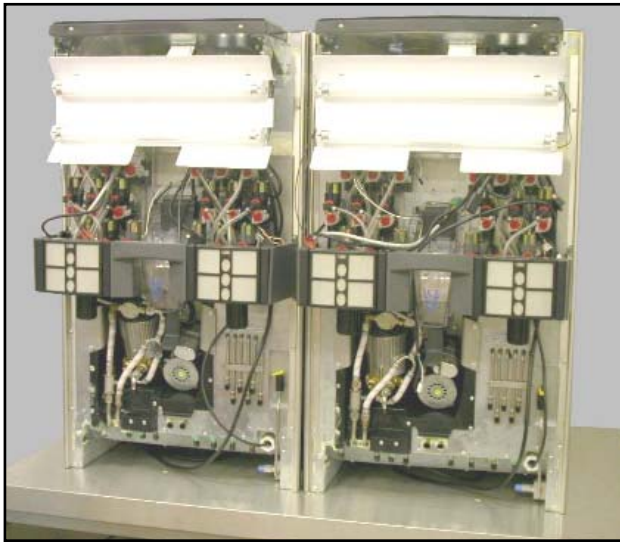
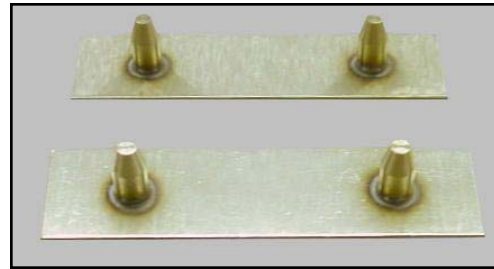


Photo 3



**Locators
Photo 4**

2. ASSEMBLING THE DISPENSER

STEP 1

- A. Set both FS-22 dispensers on the counter. Align side-by-side and approximately one (1) inch apart (see Photo 3).
- B. Two locators (see Photo 4) will be installed: one at the front of the dispenser and one at the rear of the dispenser. The prongs on the locators fit into the bottom of each machine when using the existing threaded leg insert holes.

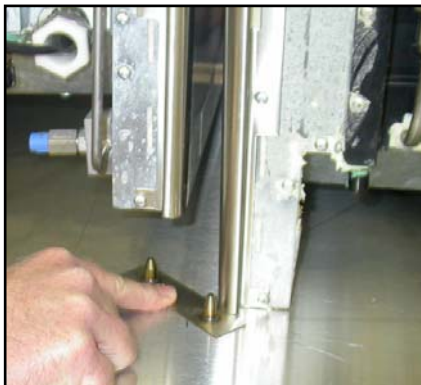


Photo 5

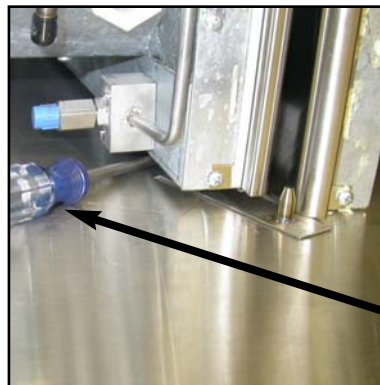


Photo 6

**Use Screwdriver as
a temporary wedge**

1. Carefully tilt the first dispenser back to allow the insertion of the first prong into the hole (see Photo 5).
 2. Place a wedge under the dispenser so that the locator may be rotated, allowing the second prong to fit into the existing hole. (see Photo 6).
 3. When the locator is properly aligned under the two dispensers, remove the wedge.
- C. Keeping the dispensers aligned, repeat Step B above at the rear of the dispenser.

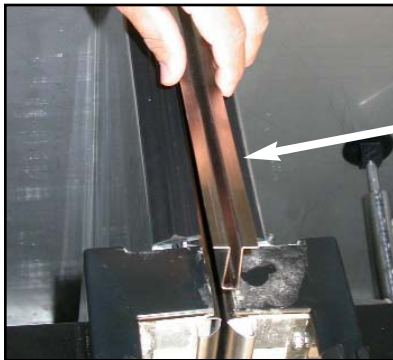


Photo 7

Separator Rail

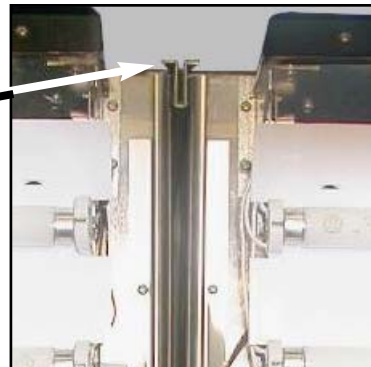


Photo 8

STEP 2

- A. Carefully insert the unit separator rail at the top of the machine to keep the units properly aligned and separated (see Photos 7 and 8). Use caution to avoid squeezing the separator rail shut.

STEP 3

- A. Remove the four lower screws as shown in Photo 9. *Retain these screws for reinstallation.*

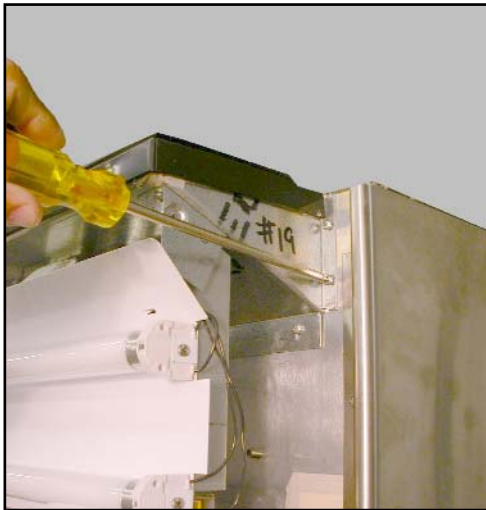


Photo 9

STEP 4

- A. At this point in the installation, do the dispenser set up, brix valves, etc. See Installation and Service Manual, 28-0580, for procedures.

STEP 5

- A. Install one inch drain tube to **EACH DRAIN** in the drip tray (see Photo 10) **before** installing the drip tray to dispenser (two tubes are required). Route drain tubes to drain. Secure drip tray with 4 screws (see Photo 11).



Photo 10



Photo 11

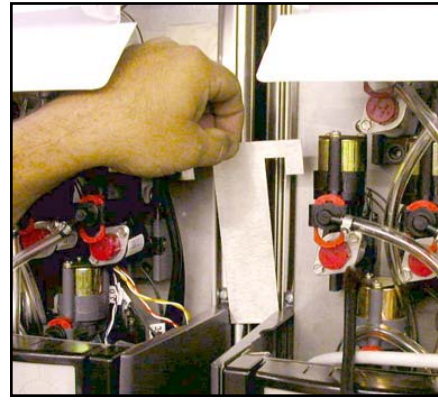


Photo 12

NOTE:

Install ice makers to tops of FS 22 Dispensers BEFORE going to Step 6!

STEP 6

- A. Install the T Gap filler between the two units as shown in Photo 12.
- B. Install right side front sub frame to the dispenser. Reinstall one screw removed in Step 3A above to secure the sub frame to the right side (see Photo 13).
- C. Install left side front sub frame to the dispenser. Reinstall one screw removed in Step 3A above to secure the sub frame to the left side.
- D. Install middle front sub frame to the dispenser (see Photo 14). Secure with two screws removed in Step 3A above.



Photo 13



Photo 14

STEP 7

- A. Install the front, top rail, sub frame behind the front sub frames installed in Step 4 (see Photo 15). Secure with four 8-24 screws provided in the installation kit.



Photo 15

STEP 8

- A. Install the left lower side panel by attaching it to the sub frame (see Photo 16). Secure with three 8-24 screws provided in the installation kit.
- B. Install the right lower side panel by attaching it to the sub frame. Secure with three 8-24 screws provided in the installation kit.

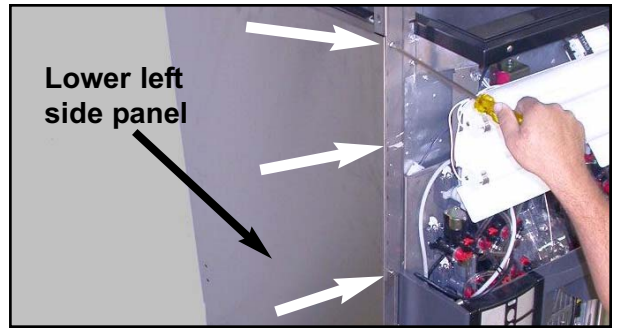


Photo 16

STEP 9

- A. Install upper support rail to lower side panel (see Photo 17) and secure with four 8-24 screws (two each end).
- B. Install lower support rail to lower side panel (see Photo 18) and secure with four 8-24 screws (two each end).



Photo 17



Photo 18

STEP 10

- A. Hang upper light assembly on front top rail of sub frame (see Photos 19a and 19b).
- B. Install two (2) screws to secure light assembly (see Photo 19c).

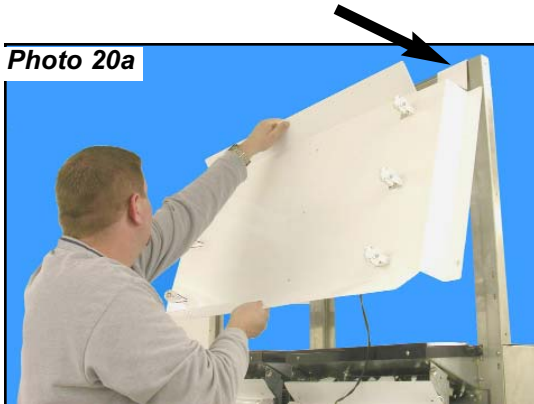


Photo 20a

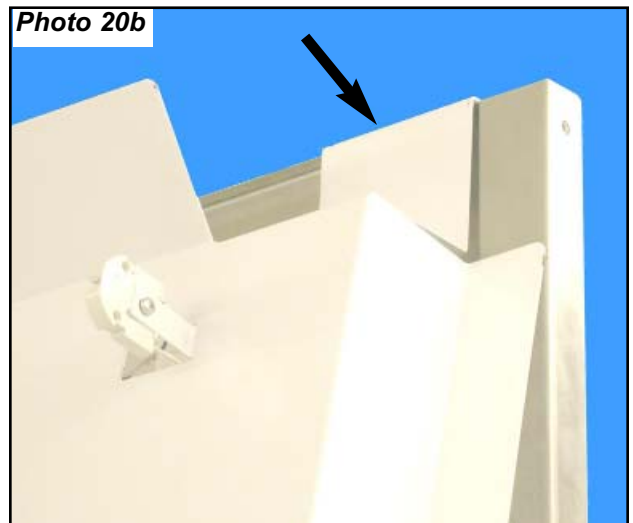


Photo 20b



Photo 20c

STEP 11

- A. Install lower merchandiser sub frame. Align tabs at top and bottom to grooves in the merchandiser (see Photos 20a, 20b and 20c). When properly aligned, reinstall the four screws and secure (see Photo 20d).
- B. Connect the key switch harness to the key switch at each side of the lower merchandiser (see Photo 21).
- C. Hang upper sub frame to top rail (see Photos 22a and 22a2).



Photo 20a

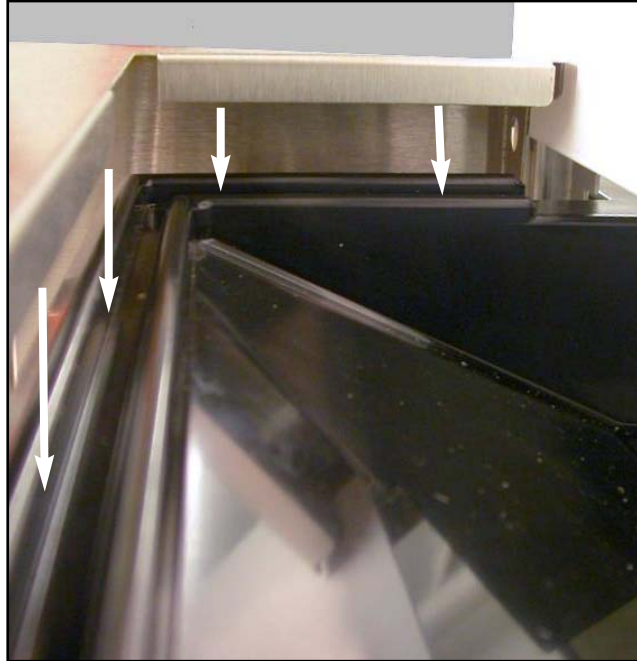


Photo 20b



Photo 20c

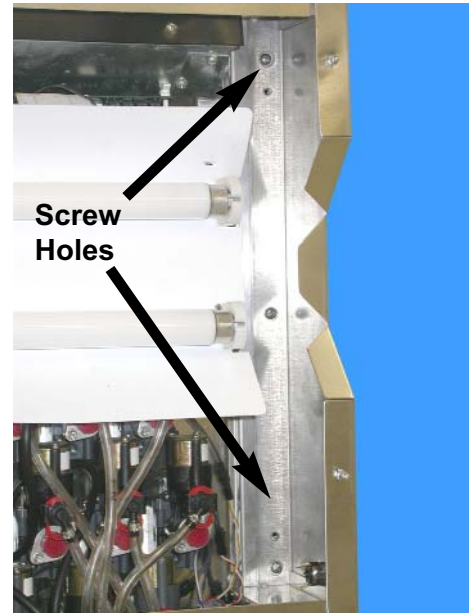


Photo 20d

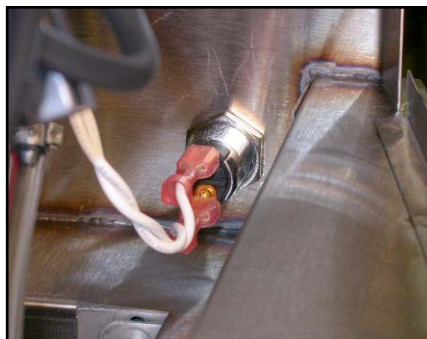


Photo 21

- D. Install two (2) screws to upper merchandiser (see Photo 22b).
- E. Install three fluorescent bulbs to light panel (see Photo 24).

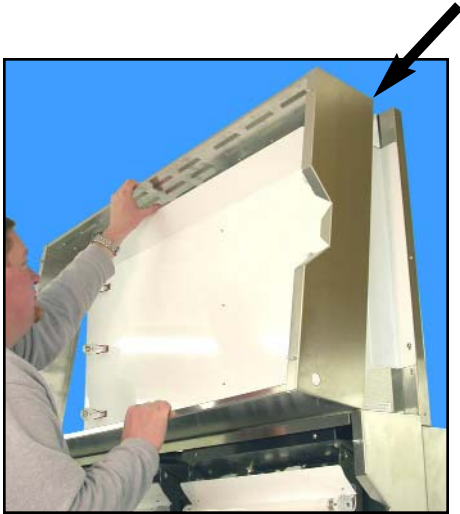


Photo 22a

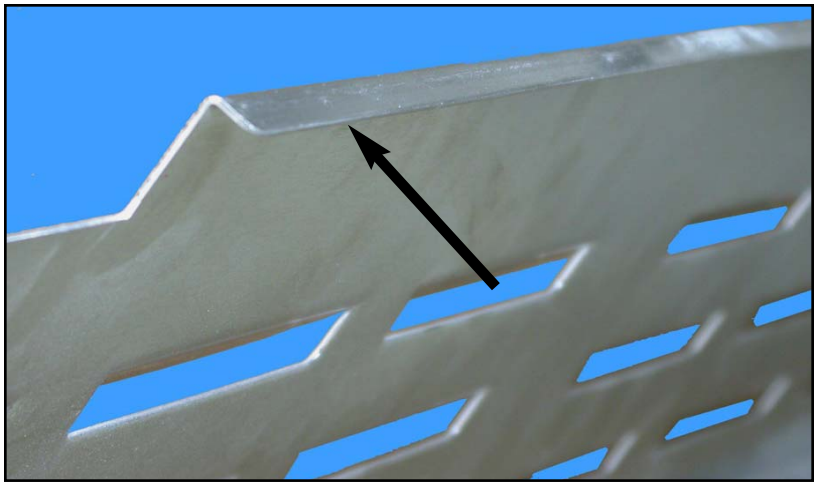


Photo 22a2



Photo 22b



Photo 23



Photo 24

STEP 12

- A. Install the left upper side panel by attaching it to the vertical support rail (see Photos 25a and 25b). Secure with three (3) 8-24 screws.
- B. Install the right upper side panel by attaching it to the vertical support rail . Secure with three (3) 8-24 screws.



Photo 25a

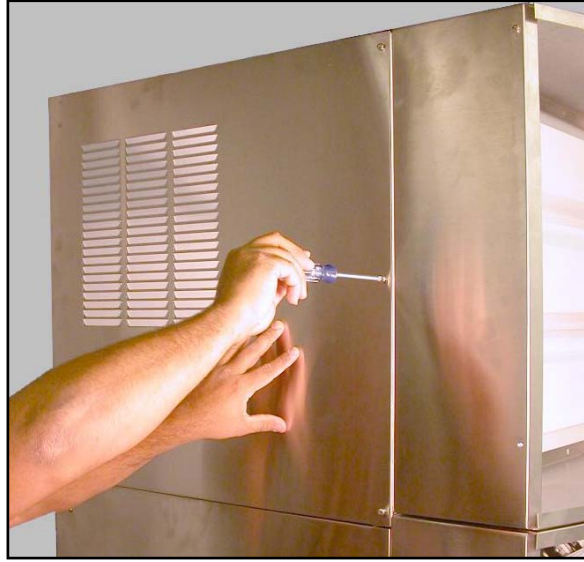


Photo 25b

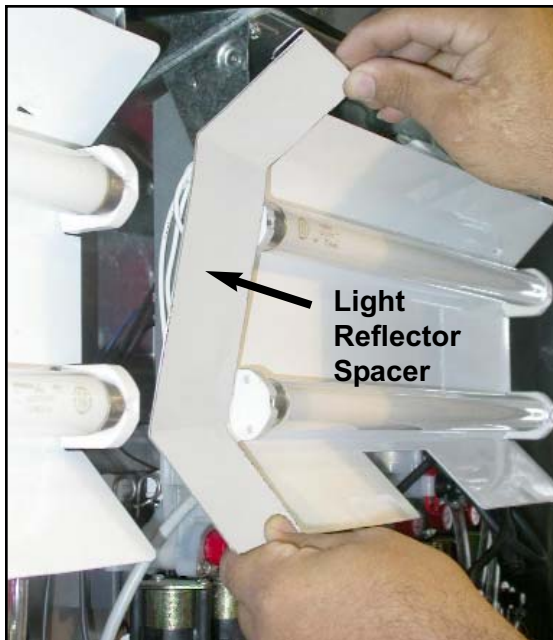


Photo 27a

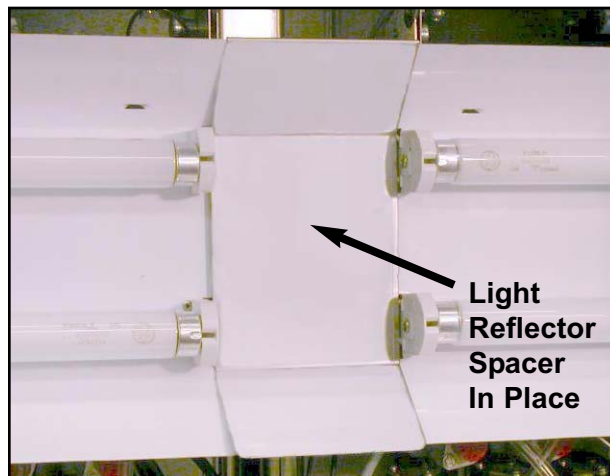


Photo 27b

STEP 13

- A. Install the lower light reflector spacer, clipping it on (see Photos 27a and 27b).
- B. Install upper and lower graphic merchandisers (see Photos 29a, 29b and 29c).
- C. Assemble the Graphics panel (see Photo 28) and partially install to the lower merchandiser (see Photo 31).
- D. Install the Graphics panel to the lower merchandiser (see Photos 31 and 32).

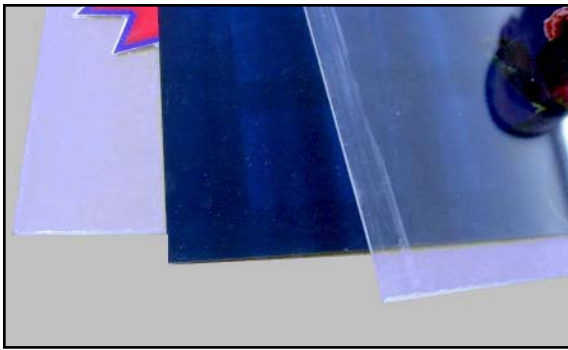


Photo 28



Photo 29a



Photo 29b

STEP 14

- A. Connect the key switch harness in the upper merchandiser (see Photo 33).

STEP 15

- A. Assemble the Graphics panel and install to the top merchandiser (see Photo 34).



Photo 29c



Photo 30



Photo 31



Photo 32

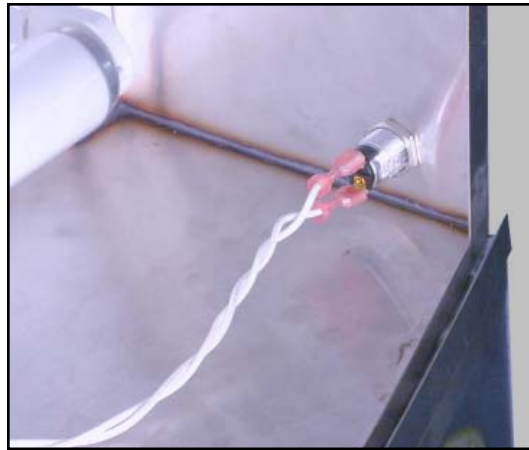


Photo 33



Photo 34



Photo 35a

STEP 16

- A. Install top and bottom end caps to upper and lower merchandisers (see Photo 35a, 35b and 35c) to both the right and left sides. Secure with two screws per end cap piece. Adjust the end caps to ensure no gap or seam is visible.



Photo 35b



Photo 35c



Photo 36

STEP 17

- A. Install decorative end caps to right and left sides (see Photo 36) by snapping them into place.
- B. Install splash plate (see Photo 37).



Photo 37



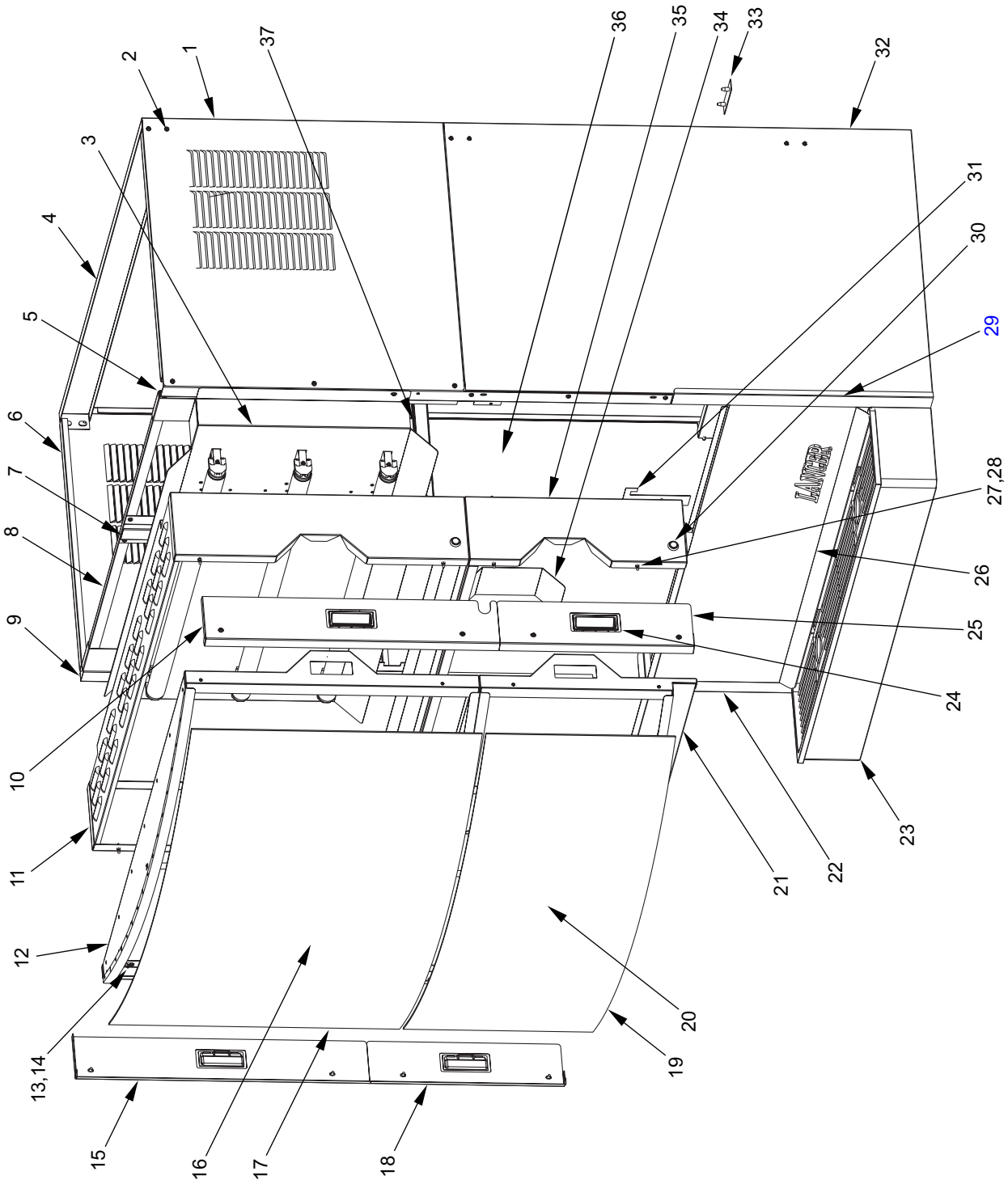
Photo 38



Photo 39

3. ILLUSTRATIONS, PART LISTINGS, AND DIAGRAMS

3.1 MERCHANDISER KIT, FS-44



3.1 MERCHANDISER KIT, FS-44 (CONTINUED)

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
85-15816-12-4-CN	IBD, ACMB, FS44, 2-22", 16-12, CP	
85-15816-12-4-CC	IBD, ACMB, FS44, 2-22", 16-12, CC	
85-15816-12-4-NN	IBD, ACMB, FS44, 2-22", 16-12, PP	
		ITEM PART NO. DESCRIPTION
1	30-9456	Panel, Top, Right, FS-44
2	04-0236	Screw, 10-24 x .375. PHD, PH, MS, SS
3	82-3686	Reflector Assy, Top Merchandiser, FS-44
4	30-9455	Brace, Rear, FS-44
5	30-9611	Frame, Right, FS-44
6	30-9457	Panel, Top, Left, FS-44
7	30-9460	Frame, Center, FS-44
8	30-9461	Angle, Frame, FS-44
9	30-9612	Frame, Left, FS-44
10	30-9615	Cap, End, Right, Top Merchandiser, FS-44
11	51-6112	Weld Assy, Upper Merchandiser Base, FS-44
12	51-6113	Weld Assy, Upper, Merchandiser PF, FS-44
13	04-1486	Tinnerman, Speed Clip, C1663-08
14	04-0072	Rivet, 0.125 DIA x 0.312, SS
15	30-9616	Cap, End, Left, Top Merchandiser, FS-44
16	06-3002-01	Graphic, Warm Blue, Upper
17	27-0089	Lens, Cover, Upper, Merchandiser, FS-44
18	30-9593	Cap, End, Left, Lower Merchandiser, FS-44
		19 27-0090 Lens Conver, Lower, Merchandiser, FS-44
		20 06-3003-01 Graphic, Warm Blue, Lower
		21 51-6108 Weld Assy, Lower Merchandiser PF, FS-44
		22 30-9464 Cover, Seam, Left, FS-44
		-- 06-2930 Label, Configuration Diagram, FS8
		23 82-3602 Drip Tray Assy, FS-44
		24 05-2455 Handle, Flush Pull, Snap Fit
		25 30-9594 Cap, End, Right, Lower Merchandiser, FS-44
		26 30-9617 Plate, Splash, Ext, FS-44
		27 04-1487 Tinnerman, Ball Stud, P116-499
		28 04-1006 Nut, KEPS, 6 - 32, 800/Delta
		29 30-9463 Cover, Seam, Right, FS-44
		30 12-0097 Key Switch
		31 30-9462 Plate, Dresser, Center, FS-44
		32 30-9677 Panel, Right, FS-44
		33 51-6085 Plate Assy, Connector, Bottom, FS-44
		34 30-9507 Panel, Reflector, Spacer, FS-44
		35 51-6114 Weld Assy, Lower Merchandiser Base, FS-44
		36 30-9628 Panel, Left, FS-44
		37 51-6197 Channel, Lid, FS-44

NOTES

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