

KIT PART NUMBER 1479050
 KIT PART NUMBER 1489010

INSTRUCTIONS FOR INSTALLING THE GUM & MINT MODULE IN A 147 OR 148 SNACK CENTER

**CHECK THE PARTS RECEIVED IN THE KIT WITH THE PARTS LIST
 IN THESE INSTRUCTIONS. IF ANY PARTS ARE MISSING,
 CONTACT NATIONAL VENDORS' PARTS DEPARTMENT IMMEDIATELY.**

Read these instructions carefully before installing the kit.
 Retain these instructions for part numbers and for future reference.

This kit contains the following:

INDEX	PART NUMBER	DESCRIPTION	QUANTITY PER KIT	
			1479050	1489010
1	1451097	Screw, #8-32 x .31 Hex Hd, T/F, Black	4	4
2	1479146	Magazine & Frame Assembly	1	-
2	1489012	Magazine & Frame Assembly	-	1
3	1452139	Retainer, Harness, 3/8 ID	3	1
4	2204513	Wire Tie, Self-Clinching	-	1
5	4732024	Retainer, Harness, 1/2 ID	-	2
6	1479127	Angle & Motor Assembly	1	-
6	1489004	Angle & Motor Assembly	-	2
*7	1472105	Gum & Mint Price Tags	1	1
*8	1472088	Gum & Mint Column ID Label	1	1
*9	1479052	Stud, Gum & Mint Pivot, #10-32 UNF-2A	2	2

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INDEX	PART NUMBER	DESCRIPTION	QUANTITY PER KIT	
			1479050	1489010
*10	1407048	Nut, #10-32 Self-Locking	2	2
*11	1479139	Pull, Door	1	1
12	1479140	Rod, Support, Gum and Mint	1	1
13	1479141	Bracket, Rod, Gum and Mint	1	-
13	1489009	Bracket, Rod, Gum and Mint	-	1
*14	4041053	Screw, #10-32 x 3/8, PHS, T/C, W/LW	2	2
15	4752037	Clamp, Cable, Self-Adhesive, 3/8 ID	1	1
16	1470016	Instructions, Installation	1	1

* Included with Magazine & Frame Assemblies.

INSTALLATION OF ANGLE AND MOTOR ASSEMBLY

WARNING

Place the Main Power Switch in the OFF position before starting this procedure.

1. Attach the Angle and Motor Assembly to the bottom of the delivery pan assembly. Secure the Angle and Motor Assembly to the delivery pan using four screws (Index 1) as shown in Figure 1.

NOTE

The Angle and Motor Assembly must be positioned so the PCB assembly is near the hinge side of the cabinet door.

DELIVERY PAN
ASSEMBLY

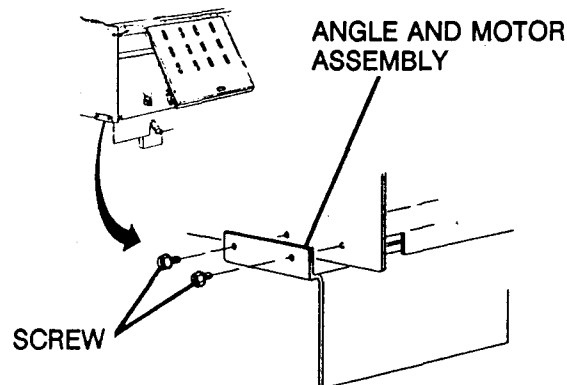


FIGURE 1. Angle and Motor Assembly Mounting

ROUTING THE GUM & MINT HARNESS

The Gum & Mint Harness must be correctly routed before it is connected to the Gum & Mint Assembly. Additional steps may be required on some early versions of the 147 and 148 Snack Centers.

A complete sequence of steps is given below. You may not need to complete all of the steps for your machine. Try to complete steps 3, 4 and 10 - 13 first.

CAUTION

You must be able to complete steps 3, 4 and 10 - 13 without placing undue stress on the harnesses. If this is not possible, then you must complete steps 1 - 14.

Refer to Figure 2 while completing the following procedure:

1. Remove all of the trays from the cabinet.
2. If the merchandiser includes an optional exhaust fan assembly, remove it at this time.
3. The Gum & Mint Harness is coiled up behind the left-hand tray-rail mounting channel. Retrieve the harness by pulling it over the top of the channel.
4. Remove the tie that holds the harness in a coil.
5. Remove cable clamp 1.
6. The Gum & Mint Harness contains seven wires. Trace this harness back to cable clamp 2.
7. Excess Gum & Mint Harnessing is located between cable clamp 2 and the controller. Carefully pull most of the excess through the clamp, away from the controller.
8. Continue pulling the harness past cable clamps 3 and 4.
9. Route the Gum & Mint Harness behind the left-hand tray-rail mounting channel.
10. *MODEL 148 ONLY*
 - A. Free the lamp harness from cable clamp 5.
 - B. Remove the cable clamp currently in clamp position 6.
 - C. Use one of the large cable clamps included in the kit to hold the Gum & Mint Harness and the lamp harness in place at clamp position 6. Secure the clamp with the screw presently in place.
 - D. Use the other large cable clamp to hold both harnesses in place at clamp position 7. Secure the clamp with the screw presently in place.
- MODEL 147 ONLY*
 - A. Use one of the cable clamps included in the kit to hold the Gum & Mint Harness at clamp position 6. Secure the clamp with the screw presently in place.
 - B. Use another one of the clamps supplied with the kit to hold the harness at clamp position 7. Secure the clamp with the screw presently in place.
11. If an optional exhaust fan assembly was removed, re-install it at this time.
12. Midway between clamp positions 6 and 7 use the tie wrap included in the kit to bind the Gum & Mint Harness and the lamp harness together.
13. Use the remaining small clamp included in the kit to hold the Gum & Mint Harness at clamp position 8. Secure the clamp with the screw presently in place.
14. Replace the cable clamp which holds the Gum & Mint Harness and the lamp harness at clamp position 1.

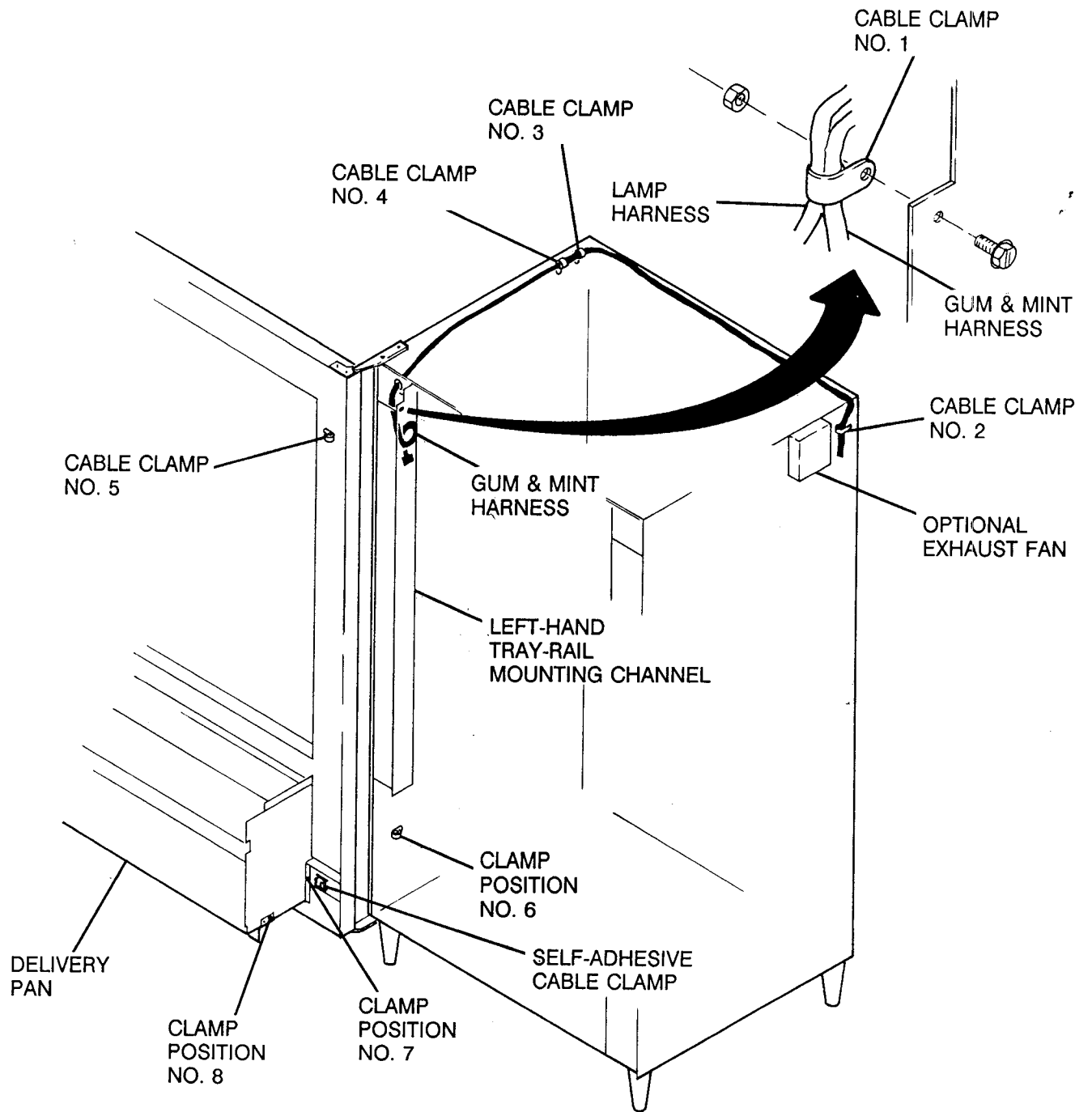


FIGURE 2. Routing the Gum & Mint Harness

CONNECTING THE GUM & MINT HARNESS TO THE ANGLE AND MOTOR ASSEMBLY

Plug the Gum & Mint Harness into the PCB connector located on the right end of the Angle and Motor Assembly. Refer to Figure 3.

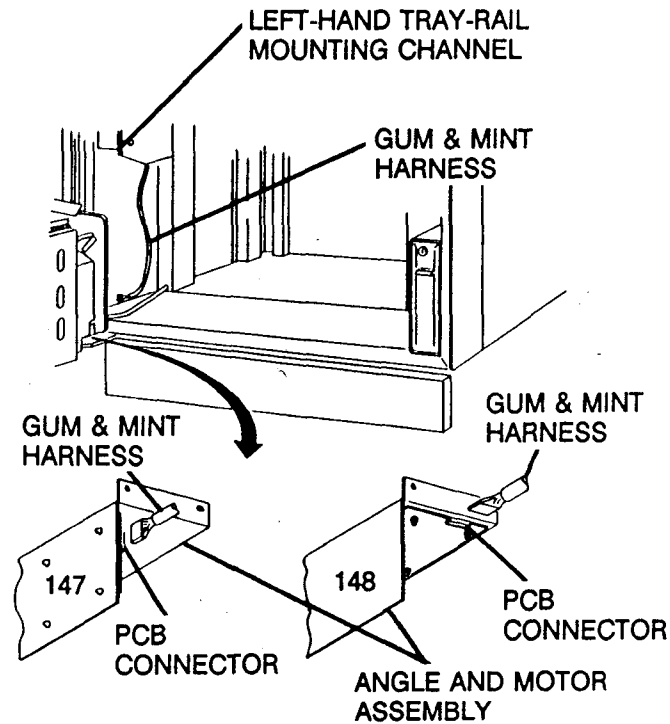


FIGURE 3. Gum & Mint Harness Connection

INSTALLATION OF MAGAZINE ASSEMBLY

1. Remove the four screws securing the delivery pan filler panel and remove the panel from the assembly. Refer to Figure 4.
2. Mount the Gum and Mint Frame Assembly in the position previously occupied by the filler panel. The lower mounting hole should be used on each side. Refer to Figure 5, Detail A. Secure the Frame to each side of the delivery pan using a Gum and Mint pivot stud (Index 9) and a nut (Index 10).

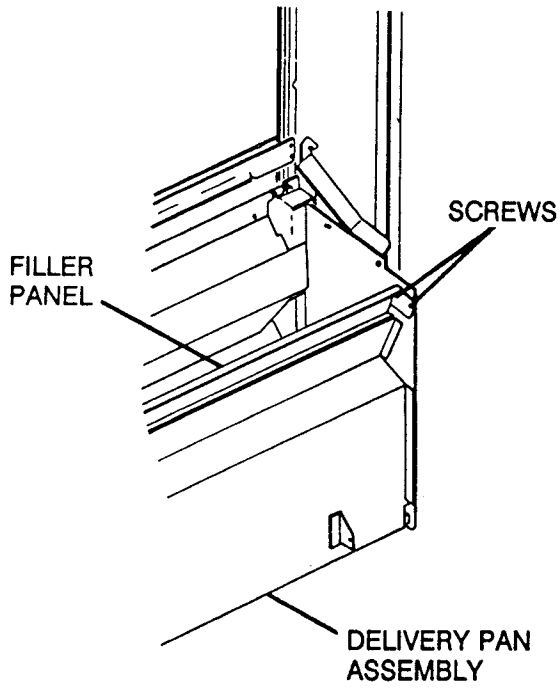


FIGURE 4. Filler Panel Removal

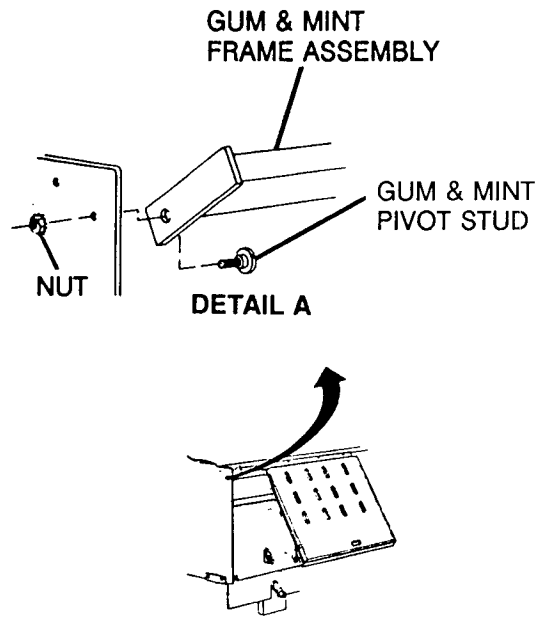


FIGURE 5. Gum & Mint Magazine Assembly Mounting

INSTALLING THE GUM AND MINT SUPPORT ROD BRACKET

1. Assemble the support rod and bracket as shown in Figure 6.

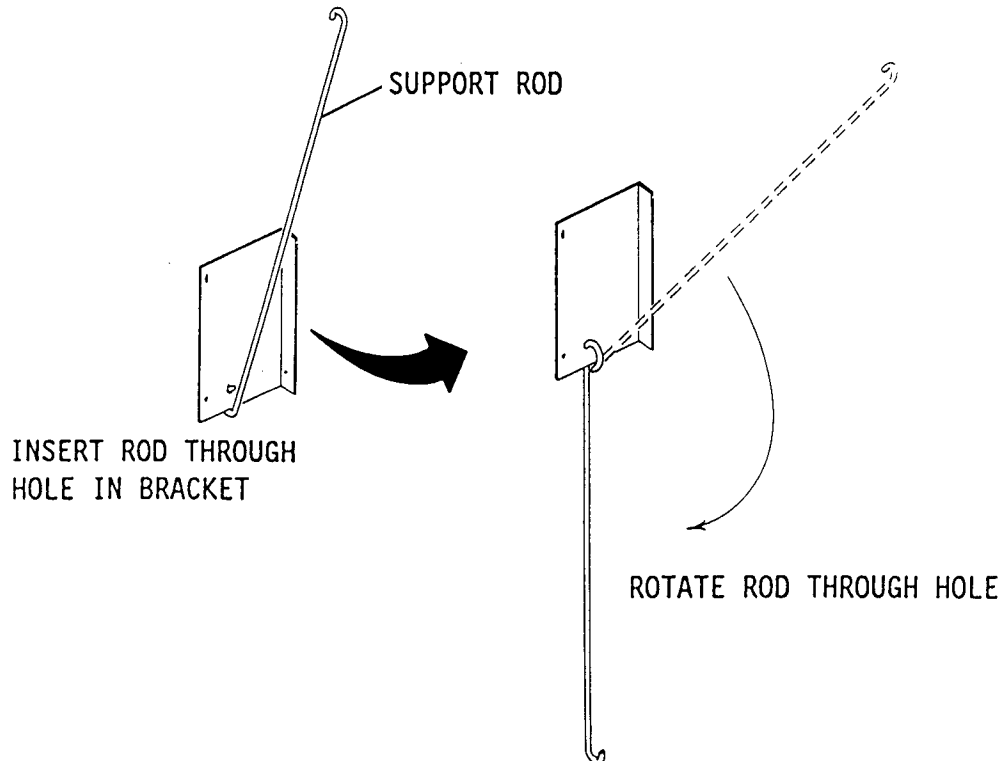


FIGURE 6. Assembling the Support Rod and Rod Bracket

2. Locate the third and fourth screws on the door glass right side retainer bracket above the delivery pan. Remove these screws. See Figure 7.
3. Mount the Gum and Mint Support Rod Bracket at this position using the two screws removed in Step 2. See Figure 7 for correct orientation of rod bracket.
4. Remove the adhesive backing from the self-adhesive cable clamp (Index 15) and press in place at position shown in Figure 2.

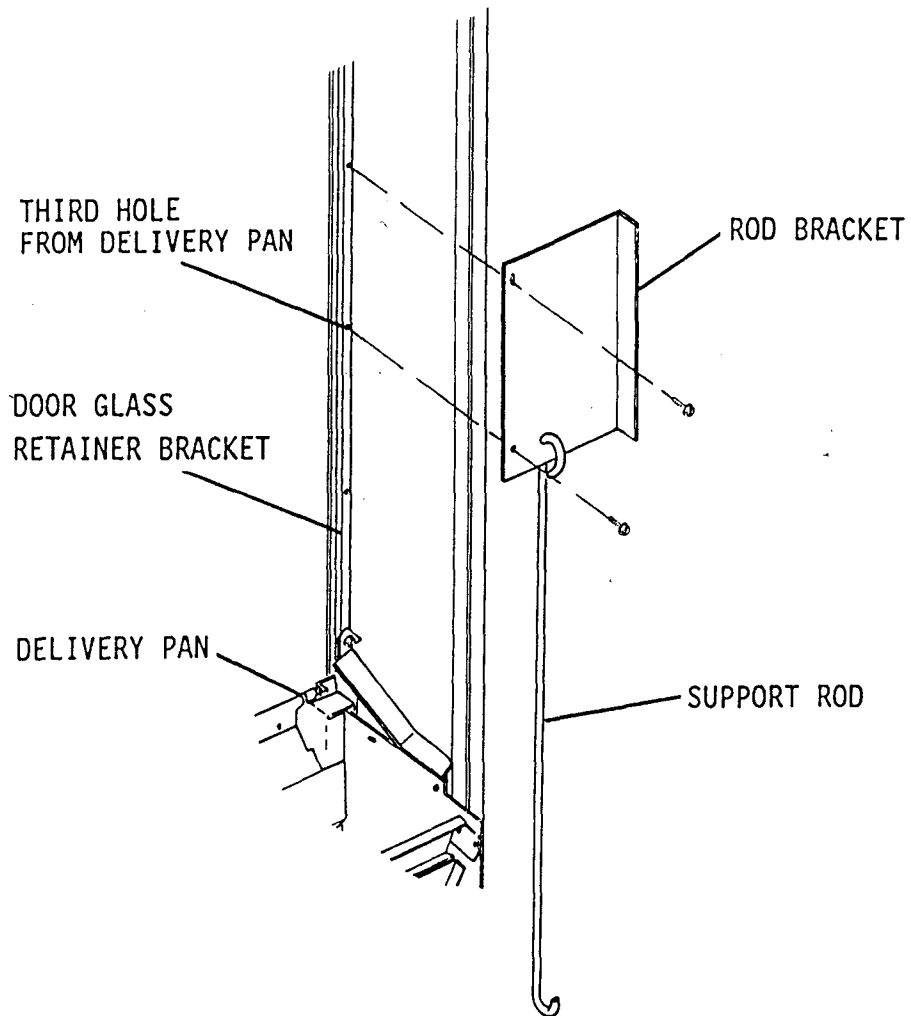


FIGURE 7. Rod Bracket Installation

5. Raise the Gum and Mint Magazine into the loading position and verify that the Support Rod will engage the Door Pull. See Figure 8.

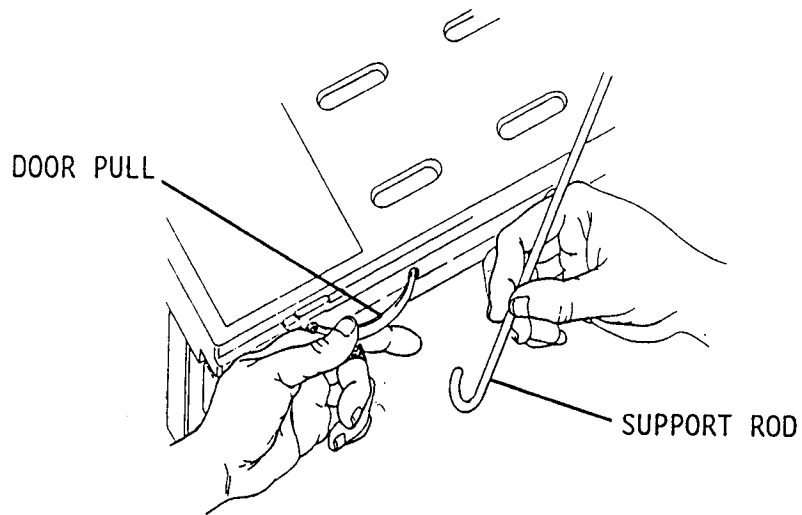


FIGURE 8. Checking the Support Rod Installation

INSTALLING THE COLUMN ID LABEL

1. Remove the adhesive backing from the Column ID Label (Index 8).
2. Position the label on the rear delivery door as shown in Figure 9. Press firmly on the label and rub from end to end to remove any bubbles of trapped air.

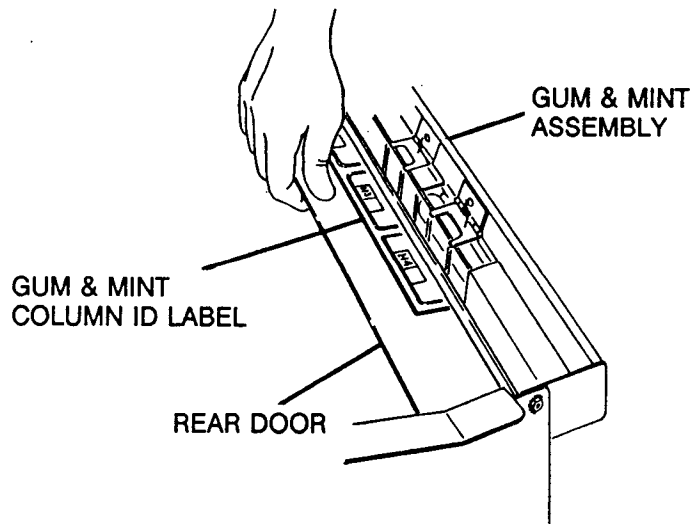


FIGURE 9. Gum & Mint Column ID Label Mounting

INSTALLING THE PRICE TAGS

1. Remove the adhesive backing from a Price Tag (Index 7).
2. Position the Price Tag on the column ID label. Refer to G-5 in the 147/148 Operation and Maintenance Manual. Press firmly and rub the price tag to remove any bubbles of trapped air.
3. Repeat Steps 1 and 2 until price tags have been installed for each of the columns.

LOADING THE GUM & MINT MAGAZINE

1. The Gum & Mint Magazine should be in the loading position. Refer to G-1 in the 147/148 Operation and Maintenance Manual.
2. Adjust the width of the two left-most vending columns if necessary. Refer to G-2 in the 147/148 Operation and Maintenance Manual.
3. Load the Gum & Mint Magazine with product. Refer to G-3 in the 147/148 Operation and Maintenance Manual.
4. Place the Gum & Mint Magazine in the vending position. Refer to G-4 in the 147/148 Operation and Maintenance Manual.

SETTING GUM & MINT PRICING

1. Turn the Main Power Switch to the ON position.
2. The selections in the Gum & Mint Magazine can be priced individually or they can all be given the same price. Refer to P1-1, P1-2 or P1-3 in the 147/148 Programming Guide.
3. Set the prices for the Gum and Mint selections. "H" is used as the tray ID for the Gum & Mint Assembly

CHECKING OPERATION OF THE GUM & MINT ASSEMBLY.

Test vend each of the selections several times. Refer to P13-1 in the 147/148 Programming Guide.