

# Technical Bulletin

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**SUBJECT: MISCELLANEOUS WORLDWIDE NON-RETURNABLE BOTTLE SHIMMING IN WIDE STACK VENDERS.**

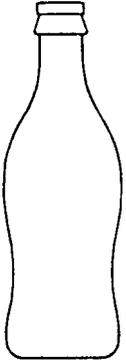
**MODELS AFFECTED: All Series 90 Wide Stack Venders.**

**REASON: To provide the shimming and set-up of various non-returnable glass bottles used worldwide.**

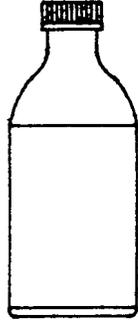
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# PACKAGE SHAPES



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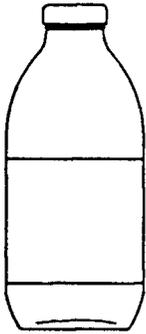
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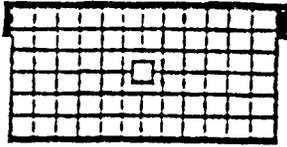
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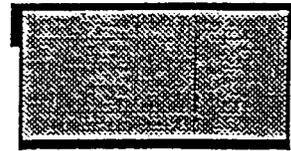
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## PACKAGE DIMENSIONS

Description	Package Size	Country/ Township	Shape	Height Inches (mm)	Diameter Inches (mm)
Gatorade "Wide Mouth"	16 oz.	Argentina	5	7.0" (177.8)	2.91" (73.9)
Fanta	500 ml	Finland	7	9.85" (250.2)	2.75" (69.9)
Coca-Cola	330 ml	Germany	2	6.5" (165.1)	2.56" (65)
Coca-Cola "Contour"	330 ml	Germany	1	8.06" (204.7)	2.44" (62)
Pepsi-Cola	330 ml	Germany	2	6.5" (165.1)	2.56" (65)
Water	330 ml	Germany	2	6.5" (165.1)	2.56" (65)
Coca-Cola	10 oz.	Mexico	2	5.8" (147.3)	2.62" (66.5)
Coca-Cola	12 oz.	Mexico	2	6.75" (171.5)	2.63" (66.8)
Coca-Cola	500 ml	Mexico	2	7.18" (182.4)	2.95" (74.9)
Pepsi-Cola	500 ml	Mexico	2	7.20" (182.9)	2.97" (75.4)
Coca-Cola "Contour"	250 ml	Turkey	1	7.22" (183.4)	2.29" (58.2)
No Brand Name	500 ml	Turkey	2	7.33" (186.2)	2.92" (74.2)
Arizona Iced Tea	20 oz.	United States	4	8.86" (225)	3.09" (78.5)
Coca-Cola "Contour"	12 oz.	United States	1	9.25" (235)	2.48" (63)



Flat Black Shim  
801,804,96x.x1



Flat Grey Shim  
801,805,12x.x1

**Extended Discharge Member instructions:**

1. Remove the nuts and bolts securing the discharge member to the delivery port.
2. Remove the existing discharge member.
3. Install the extended discharge member so holes B & D (see figure 1A or 1B) line up with the back holes in the delivery port (see figure 2).
4. Figure 2 shows what the set-up should now look like.
5. Secure with the nuts and bolts removed in step 1.

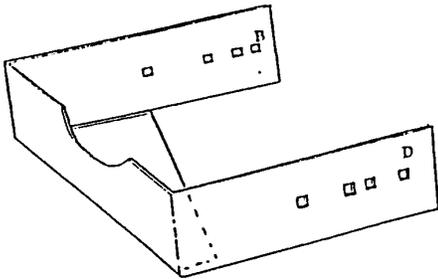


Figure 1A  
Extended Discharge Member Narrow  
493,051,10x.x4

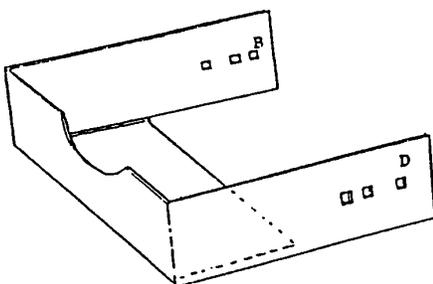


Figure 1B  
Extended Discharge Member Wide  
491,051,70x.x4

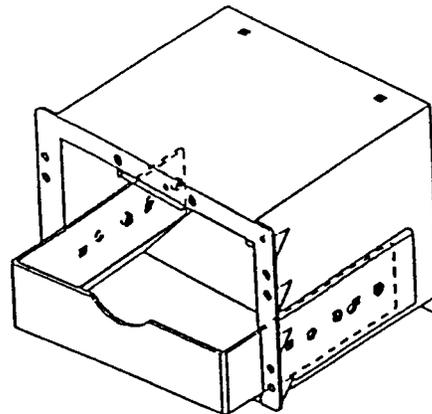


Figure 2

**INSTALLATION OF COLUMN WALL KIT:  
WIDE COLUMNS**

1. Unplug the vender.
2. Move the rear spacers to the rear of each column.
3. Identify the right and left parts for proper placement.
  - A. See Figures 3 and 4 below..

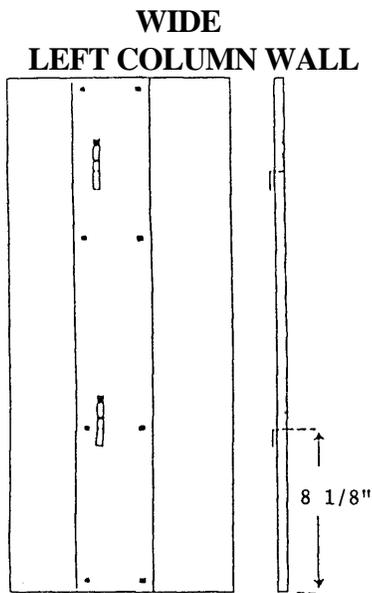
**Note: The dimension on a right side part from the bottom of the part to the first clip is 6-1/8" (155.6mm). The dimension on the left side part from the bottom of the part to the first clip is 8-1/8" (206.4mm). See figures 3 and 4 below.**

4. Take the right kit and locate the "clips" which are welded to the back side of the part.
5. Place the right kit in the column so the "clips" are towards the right column wall.
6. Align the "clips" with the existing slots in the right stack wall.

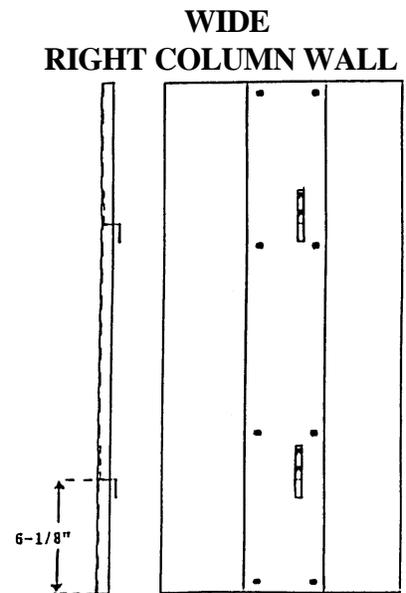
**Note: There are two (2) upper and two (2) lower slots in each stack wall.**

For the right kit use the lower slots at each location.

7. Press the wall in position and ensure the "clips" are seated in the slots.
8. Install the left kit wall by repeating steps 4, 5, 6 and 7 using the upper slots at each location.
9. Set the rear spacer in the proper position.
10. Set the cams in the proper position.
11. Load the product and test for proper vending.

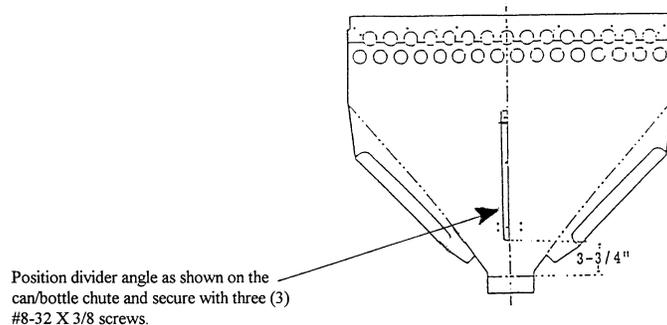


**Figure 3**



**Figure 4**

**DIVIDER ANGLE INSTALLATION:**



**Figure 5**

Use this chart to "set-up" and "shim" the "wide stack" vender.

Series 90, Beginning S/N 0001-3162AO & Up (Except Run Numbers 3164AO, 3166AO and 3167AO).

Pre-Series 90, Beginning S/N 0001-3098AN to 0001-3162AO (Except 1954-3161AO to 2003-3161AO & 2656-3161AO to 2750-3161AO)

(Includes production runs 3164AO, 3166AO and 3167AO)

### NON RETURNABLE GLASS BOTTLES

Wide Columns

All Columns

PACKAGE DESCRIPTION & VENDERS APPROVED	COUNTRY ORIGIN	SEE PAGE(S)	LOADING DEPTH	CAN RETAINERS	PARTS PER COLUMN	CAM SETTING	CAM(S) REQ'D	REAR SPACER LOCATION	OTHER PARTS
16 oz NR Glass Gatorade "Wide Mouth" Bottle in Model 360 WS	Argentina	2, 3, & B1	1	0	0	2 notches	blue/ gold	Hole 11	none
500 ml NR Fanta Glass Bottle in Model 360 WS	Finland	2, 3, 4, & B1	1	0	4 flat black shims & 2 grey shims	2 notches	blue/ gold	Hole 18	discharge member
330 ml NR Glass Coca-Cola Bottle in WS Models	Germany	2, 3, 4, & B1	1	0	8 Flat black shims	2 notches	blue/ gold	Hole 10	none
330 ml Coca-Cola "Contour" NR Glass Bottle in Models 360 WS & 432 WS	Germany	2, 3, 5, & B1	1	0	w/a left & right column walls	2 notches	blue/ gold	Hole 14	None
330 ml NR Glass Water and Pepsi Bottles in WS Models	Germany	2, 3, 4, & B1	1	0	8 Flat black shims	2 notches	blue/ gold	Hole 10	none
10 oz. Coca-Cola Glass Bottle in WS Models	Mexico	2, 3, 4, & B2	2	0	6 flat black shims	4 notches	blue/ gold	Hole 23	none

NA = Not Applicable

PACKAGE DESCRIPTION & VENDERS APPROVED	COUNTRY ORIGIN	SEE PAGE(S)	LOADING DEPTH	CAN RETAINERS	PARTS PER COLUMN	CAM SETTING	CAM(S) REQ'D	REAR SPACER LOCATION	OTHER PARTS
12 oz. Coca-Cola Glass Bottle in WS Models	Mexico	2, 3, 4, & B2	1	0	8 flat black shims	2 notches	blue/gold	Hole 10	none
500 ml Coca-Cola Glass Bottle in WS Models	Mexico	2, 3, 4, 5 & B2	1	0	0	2 notches	blue/gold	Hole 12	divider angle
500 ml Pepsi-Cola NR Glass Bottle in WS Models	Mexico	2, 3, 4, 5, & B2	1	0	0	2 notches	blue/gold	Hole 22	divider angle
250 ml Coca-Cola "Contour" NR Glass Bottle in Model 360 WS	Turkey	2, 3, 4, 5, & B3	1	0	W/A left & right column walls & 2 flat black shims	2 notches	blue/gold	Hole 13	none
500 ml NR Glass Bottle in Model 360 WS	Turkey	2, 3, & B3	1	0	0	2 notches	blue/gold	Hole 13	none
20 oz. Arizona Iced Tea Glass Bottle in Model 360 WS	United States	2, 3, & B3	0	-	DO NOT VEND	-	-	-	-
12 oz Coca-Cola "Contour" NR Glass Bottle in Model 360 WS	United States	2, 3, 4, 5, & B3	1	0	W/A left & right column walls	2 notches	blue/gold	Hole 17	none

## INDIVIDUAL COLUMN SET-UP AND SHIMMING

### 16 oz NR Glass Wide Mouth Gatorade Bottle (Argentina) (In model 360 WS)

Wide Column Set-Up 1 deep

- 1 - 801,806,39x.x1 vending cam, blue
- 1 - 801,806,40x.x1 adjustable cam, gold

No shims required.

Cam setting #1 or 2 notches.

Rear spacers set in hole #11.

SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

### 500 ml NR Glass Fanta Bottle (Finland) (In model 360 WS)

Wide Column Set-Up 1 deep

- 4 - 801,804,96x.x1 flat black shim (2 each side)
- 2 - 801,805,12x.x1 flat grey shim (1 each side)
- 1 - reference list extended discharge member (1 per vender)  
491,051,90x.x4 for all Flat Full Length Sign and Display venders.  
492,051,70x.x4 for wide Coke Landscape, Pepsi Circular, & Generic Circular venders  
493,051,10x.x4 for narrow Coke Landscape, Pepsi Circular, & Dr. Pepper D3 venders
- 1 - 801,806,39x.x1 vending cam, blue
- 1 - 801,806,40x.x1 adjustable cam, gold

Cam setting #1 or 2 notches.

Rear spacer set in hole #18.

SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

### 330 ml NR Glass Coca-Cola Bottle (Germany) (In WS models)

### 330 ml NR Glass Pepsi Bottle (Germany) (In WS models)

### 330 ml NR Glass Water Bottle (Germany) (In WS models)

Wide Column Set-Up 1 deep

- 8 - 801,804,96x.x1 flat black shim (4 each side)
- 1 - 801,806,39x.x1 vending cam, blue
- 1 - 801,806,40x.x1 adjustable cam, gold

Cam setting #1 or 2 notches.

Rear spacer set in hole #10.

### 330 ml NR Coca-Cola "Contour" Glass Bottle (Germany) (In WS Models)

Wide Column Set-Up 1 deep

- 1 - 493,010,30x.x3 360WS w/a wall left
- 1 - 493,010,20x.x3 360WS w/a wall right
- 1 - 443,013,40x.x3 432WS w/a wall left
- 1 - 443,013,50x.x3 432WS w/a wall right
- 1 - 801,806,39x.x1 vending cam, blue
- 1 - 801,806,40x.x1 adjustable cam, gold

Cam setting #1 or 2 notches.

Rear spacer set in hole #14.

SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

### 10 oz. NR Coca-Cola Glass Bottle (Mexico) (In WS models)

Wide Column Set-Up 2 deep

6 - 801,804,96x.x1 flat black shim (3 each side)

1 - 801,806,39x.x1 vending cam, blue

1 - 801,806,40x.x1 adjustable cam, gold

Cam setting #2 or 4 notches.

Rear spacer set in hole #23.

SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**12 oz. NR Coca-Cola Glass Bottle (Mexico) (In WS models)**

Wide Column Set-Up 1 deep

8 - 801,804,96x.x1 flat black shim (4 each side)

1 - 801,806,39x.x1 vending cam, blue

1 - 801,806,40x.x1 adjustable cam, gold

Cam setting #1 or 2 notches.

Rear spacer set in hole #10.

SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**500 ml NR Coca-Cola Glass Bottle (Mexico) (In WS models)**

Wide Column Set-Up 1 deep

1 - 236,010,01x.x3 Divider angle (1 per vender)

1 - 801,806,39x.x1 vending cam, blue

1 - 801,806,40x.x1 adjustable cam, gold

No shims required.

Cam setting #1 or 2 notches.

Rear spacer set in hole #12.

SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**500 ml NR Glass Pepsi-Cola Bottle (Mexico) (In WS models)**

Wide Column Set-Up 1 deep

No shims required.

1 - 236,010,01x.x3 Divider angle (1 per vender)

1 - 801,806,39x.x1 vending cam, blue

1 - 801,806,40x.x1 adjustable cam, gold

Cam setting #1 or 2 notches.

Rear spacer set in hole #22.

Remove can retainer (triangle) from oscillator.

SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**250 ml NR Glass Coca-Cola Bottle (Turkey) (In model 360 WS)**

Wide Column Set-Up 1 deep

- 1 - 493,010,20x.x3 360WS w/a wall right
- 1 - 493,010,30x.x3 360WS w/a wall left
- 2 - 801,804,96x.x1 flat black shim (1 each side behind column wall)
- 1 - 801,806,39x.x1 vending cam, blue
- 1 - 801,806,40x.x1 adjustable cam, gold

Cam setting #1 or 2 notches.

Rear spacer set in hole #13.

SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**500 ml NR Glass Bottle (Turkey) (In model 360 WS)**

Wide Column Set-Up 1 deep

- 1 - 801,806,39x.x1 vending cam, blue
- 1 - 801,806,40x.x1 adjustable cam, gold

No shims required.

Cam setting #1 or 2 notches.

Rear spacer set in hole #13.

SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**20 oz. NR Arizona Iced Tea Glass Bottle (United States) (In model 360 WS)**

Wide Column Set-Up

DO NOT VEND.

**12 oz NR Glass Coca-Cola "Contour" Bottle (United States) (In model 360 WS)**

Wide Column Set-Up 1 deep

- 1 - 443,011,90x.x3 360WS w/a wall left
- 1 - 443,012,00x.x3 360WS w/a wall right
- 1 - 801,806,39x.x1 vending cam, blue
- 1 - 801,806,40x.x1 adjustable cam, gold

Cam setting #1 or 2 notches.

Rear spacer set in hole #17.

SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.