

# Technical Bulletin

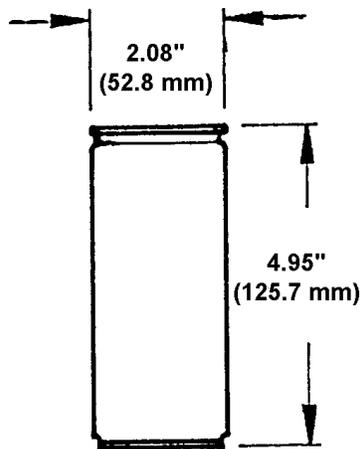
Bulletin Number: 431 Revision Number: R-07

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**SUBJECT:** 7.7 OZ. JUICE BOWL CAN SHIMMING

**MODELS AFFECTED:** DNCB 180, 360, 368 and 440 Series 90 Shimless Stack Venders Serialized 0001-3098AN and up. Also, DNCB 501T Venders serialized 0001-2775DI and up.

**REASON:** To provide kits and instructions to vend the 7.7oz. Juice Bowl cans out of the models listed above.



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Use this chart to set-up and shim the Series 90 Shimless Stack venders serialized 001-3162AO and higher.  
(Except run number 3164AO, 3166DN and 3167AO)

Package Description & Venders Approved	Country	Loading Depth	Parts Per Column	Cam Setting	Cam(s) Req'd	Rear Spacer Location	Loading Depth	Parts Req'd Per Column	Rod In	Rod In	Cam Setting	Other Parts
7.7 oz. Juice Bowl in models 180, 360, 368, & 440	United States	2	right & left column wall	4 notches	blue/gold	Hole 21	2	right column wall, sold-out paddle	A@	-	#3	none

Use this chart to set-up and shim the Pre-Series 90 Shimless Stack venders serialized 0001-3098AO to 0001-3162AO.  
(Except 1954-3161AO to 2003-3161AO and 2656-3161AO to 2750-3161AO)  
Includes run numbers 3164AO, 3166DN, and 3167AO.

Package Description & Venders Approved	Country	Loading Depth	Parts Per Column	Cam Setting	Cam(s) Req'd	Rear Spacer Location	Loading Depth	Parts Req'd Per Column	Rod In	Rod In	Cam Setting	Other Parts
7.7 oz. Juice Bowl in models 180, 360, 368, & 440	United States	2	right & left column wall	4 notches	red/white	Hole 21	2	right column wall, sold-out paddle	A@	-	#3	none

Use this chart to set-up and shim T-model venders serialized 0001-2775DI and higher.

Package Description & Venders Approved	Country	Loading Depth	Parts Per Column	Cam Setting	Cam(s) Req'd	Rear Spacer Location	Loading Depth	Parts Req'd Per Column	Rod In	Rod In	Cam Setting	Other Parts
7.7 oz. Juice Bowl in model 501T	United States	0	Will Not Vend	-	-	Hole 23	3	1 can stop shim right	A@	C@	#1	none

@ = place the 10 3/4" long (<sup>9</sup>/<sub>32</sub>"ID, <sup>17</sup>/<sub>32</sub>"OD) white plastic tube over rod.

**COMPLETE VENDER KITS**

**MODEL DNCB 180 SHIMLESS STACK**

Order Kit #445,011,40x.x4

7.7 oz. Juice Bowl Can Kit

Kit Contents: 5 - 445,011,20x.x3  
5 - 445,011,30x.x3

w/a left column wall  
w/a right column wall

(For Kit Installation See Pages 5 & 6.)

**MODEL DNCB 360 SHIMLESS STACK**

Order Kit #267,015,60x.x4

7.7oz Juice Bowl Can Kit

Kit Contents: 6 - 267,015,10x.x3  
6 - 267,015,20x.x3

w/a left column wall  
w/a right column wall

(For Kit Installation See Pages 5 & 6.)

(For Individual Column Kits See Page 4.)

**MODEL DNCB 368 SHIMLESS STACK**

Order Kit #267,015,70x.x4

7.7oz Juice Bowl Can Kit

Kit Contents: 4 - 267,015,10x.x3  
4 - 267,015,20x.x3  
4 - 267,015,80x.x3  
4 - 432,070,17x.x3  
8 - 267,012,30x.x3  
8 - 901,901,90x.x1

w/a left column wall (wide)  
w/a right column wall (wide)  
w/a right column wall (narrow)  
sold-out paddle  
rod & spring assembly  
white tube

(For Kit Installation See Pages 5 & 6.)

(For Individual Column Kits See Page 4.)

**MODEL DNCB 440 SHIMLESS STACK**

Order Kit:

Not Available At Print

Parts Needed:

4 - 267,015,30x.x3  
4 - 267,015,40x.x3  
4 - 267,015,90x.x3  
4 - 432,070,17x.x3  
8 - 267,012,30x.x3  
8 - 901,901,90x.x1

w/a left column wall (wide)  
w/a right column wall (wide)  
w/a right column wall (narrow)  
sold-out paddle  
rod & spring assembly  
white tube

(For Installation See Pages 5 & 6.)

(For Individual Column Kits See Page 4.)

**MODEL DNCB 501T VENDERS SERIALIZED 0001-2775DI AND UP  
(NARROW COLUMNS ONLY)**

Order Kit #498,010,30x.x4

Kit Contents: 5 - 497,070,14x.x3  
10 - 361,010,10x.x3  
10 - 901,901,90x.x3  
10 - 901,902,32x.x1

can stop shim  
rod & spring assembly  
white tubing  
4" long white tubing

(For venders serialized 0001-6090CQ and higher you also need to order 5 - 801,201,22x.x1 rotor)

(For Kit Installation See Page 6.)

(For Individual Column Kits See Page 4.)

**7.7 OZ JUICE BOWL CAN  
INDIVIDUAL COLUMN KITS**

**MODEL DNCB 360 SHIMLESS STACK**

Wide Column Kit #492,010,10x.x4

Kit Contents: 1 - 267,015,10x.x3  
1 - 267,015,20x.x3

(For Kit Installation See Page 5.)

7.7oz Juice Bowl Can Wide Column Kit

w/a left column wall  
w/a right column wall

**MODEL DNCB 368 SHIMLESS STACK**

Wide Column Kit #492,010,10x.x4

Kit Contents: 1 - 267,015,10x.x3  
1 - 267,015,20x.x3

(For Kit Installation See Page 5.)

7.7oz Juice Bowl Can Wide Column Kit

w/a left column wall  
w/a right column wall

Narrow Column Kit #492,010,20x.x4

Kit Contents: 1 - 267,015,80x.x3  
1 - 432,070,17x.x3  
2 - 267,012,30x.x3  
2 - 901,901,90x.x1

(For Kit Installation See Page 6.)

7.7oz Juice Bowl Can Narrow Column Kit

w/a right column wall  
sold-out paddle  
rod & spring assembly  
white tube

**MODEL DNCB 440 SHIMLESS STACK**

Wide Column Kit # 491,012,20x.x4

Kit Contents: 1 - 267,015,30x.x3  
1 - 267,015,40x.x3

(For Kit Installation See Page 5.)

7.7oz Juice Bowl Can Wide Column Kit

w/a left column wall  
w/a right column wall

Narrow Column Kit # 491,012,30x.x4

Kit Contents: 1 - 267,015,90x.x3  
1 - 432,070,17x.x3  
2 - 267,012,30x.x3  
2 - 901,901,90x.x1

(For Kit Installation See Page 6.)

7.7oz Juice Bowl Can Narrow Column Kit

w/a right column wall  
sold-out paddle  
rod & spring assembly  
white tube

**MODEL DNCB 501T**

Narrow Column Kit #498,010,40x.x4

Kit Contents: 1 - 497,070,14x.x3  
2 - 361,010,10x.x3  
2 - 901,901,90x.x3  
2 - 901,902,32x.x1

(For venders serialized 0001-6090CQ and higher you also need to order 1 - 801,201,22x.x1 rotor)  
(For Kit Installation See Page 8.)

7.7oz Juice Bowl Can Narrow Column Kit

can stop shim  
rod & spring  
white tube  
4" long white tube

**7.7 OZ JUICE BOWL CAN SHIMMING  
FOR 180, 360, 368, & 440 SHIMLESS STACK VENDERS**

**INSTALLATION OF KIT**

**WIDE COLUMNS:**

To install column wall kits follow these steps:

1. Move rear spacers out of the way to the rear of each column.
2. Identify right and left column walls for proper placement.
  - A. See Figures 1 & 2 on page 7 for identification.

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

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

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

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

6. Push into position to secure (clip into slot).
7. Install left kit wall by repeating steps 3, 4, 5, and 6 using the upper slots at each location.
8. Set rear spacer in hole location #21.
9. Set cams so 4 notches appear (hole #2).
10. Load cans double depth.

**NARROW COLUMNS:**

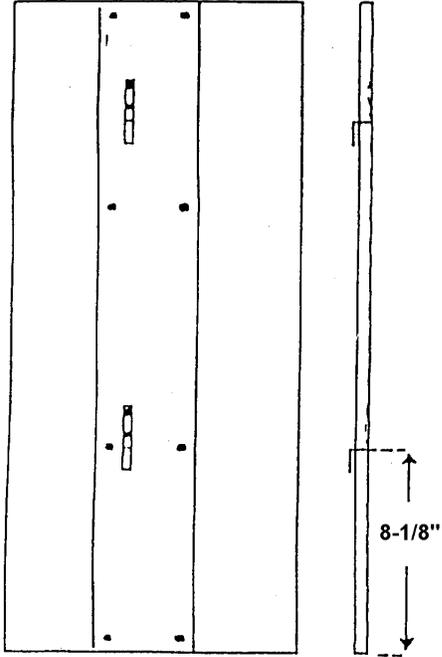
1. Remove any existing shims and rods from rotor.
2. Move rear spacers out of the way to the rear of each column.
3. Take the narrow column wall kit and locate the "clips" which are welded to the back side of the wall. (See figure 3, page 7.)
4. Place the right kit wall into the column, so the clips are towards the right column wall.
5. Align the clips with the existing slots in the right stack wall.

**Note: There are 2 upper and 2 lower slots in each stack wall. Use the lower slots at each location.**

6. Push into position to secure (clip into slot).
7. Set rear spacers in hole #21.
8. Place rods with white tubing in hole A front and back, and hole C front and back.
9. Remove existing sold-out paddle.
10. Install new sold-out paddle (part #432,070,17x.x3).
11. Set cam so 2 notches appear (hole #3).
12. Load cans double depth.

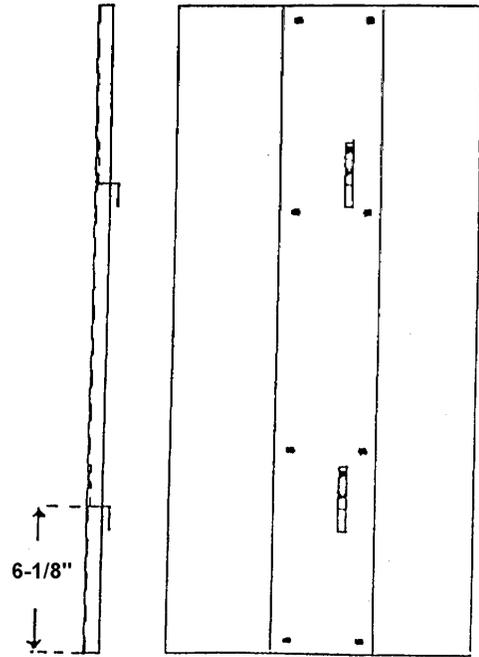
<b>CAPACITIES</b>	<b>MODEL 180</b>	<b>MODEL 360</b>	<b>MODEL 368</b>
Wide Column	46 ea.	76 ea.	76 ea.
Narrow Column	none	none	40 ea.

**WIDE  
LEFT COLUMN WALL**



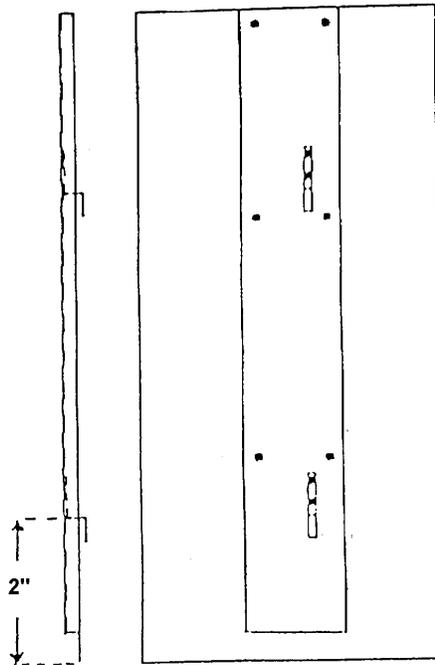
**Figure 1**

**WIDE  
RIGHT COLUMN WALL**



**Figure 2**

**NARROW  
RIGHT COLUMN WALL**



**Figure 3**

**7.7 oz JUICE BOWL CAN SHIMMING  
FOR 501T VENDERS**

**INSTALLATION OF KIT:**

**WIDE COLUMNS:**

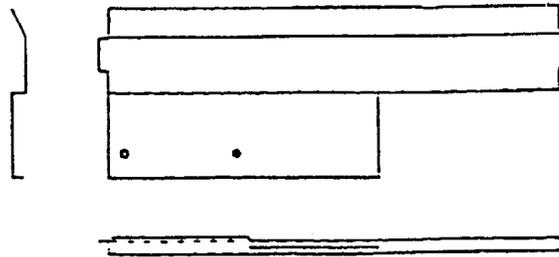
Product will not vend in wide columns of 501T's.

**NARROW COLUMNS (Triple Depth):**

1. Remove existing shims and rod from rotor.
2. In venders serialized 0001-6090CQ and higher remove the triple depth can rotor and install the 801,201,22x.x1 rotor.
3. Place new can stop shim on right side of column. (See Figure 4)
4. Place rods with white tubing in holes A front and back, and hole C front and back.  
**Important: An extra 4 inches of white tubing needs to be added on each rod so the white tubing will cover the full length of the rod.**
5. Set rear spacers in hole #23.
6. Set cam so 3 notches appear (hole #1).
7. Load cans triple depth.

**NOTE: Cans need to be loaded with top of can to the rear of the vender.**

<b>Wide Column Capacity:</b>	<b>0</b>
<b>Narrow Column Capacity:</b>	<b>66</b>



CAN STOP SHIM  
Figure 4