

# *Technical Bulletin*

Bulletin Number: 453 Revision Number: R-15

Release Date: October 16, 1992 Revision Date: October 1, 1999

**SUBJECT: MISCELLANEOUS WORLDWIDE PLASTIC BOTTLE SHIMMING IN SHIMLESS STACK SERIES 90 VENDERS**

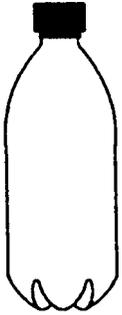
**MODELS AFFECTED: All Shimless Stack Series 90 Venders.**

**REASON: To provide the shimming and set-up of various plastic bottles used Worldwide.**

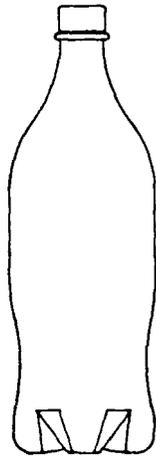
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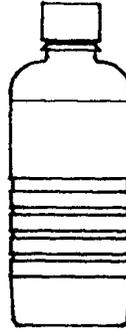
# Package Shapes



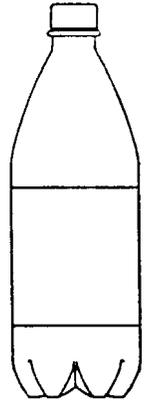
1



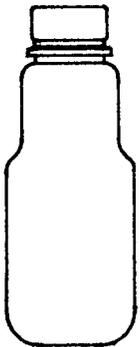
2



3



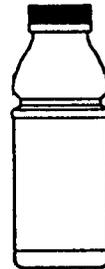
4



5



6



7



8



9

## Package Dimensions

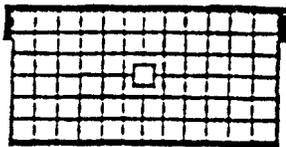
| Description                  | Package Size  | Country/<br>Township | Shape | Height<br>Inches (mm) | Diameter<br>Inches (mm) |
|------------------------------|---------------|----------------------|-------|-----------------------|-------------------------|
| Straight Bottle              | 500 ml        | Africa               | 1     | 8.57" (217.7)         | 2.55" (64.8)            |
| Coca-Cola Contour            | 500 ml        | Australia            | 2     | 8.86" (225)           | 2.66" (67.6)            |
| Coca-Cola Contour            | 600 ml        | Australia            | 2     | 9.53" (242)           | 2.86" (72.6)            |
| Jeema Water                  | 500 ml        | Australia            | 9     | 8.23" (209)           | 2.54" (64.5)            |
| Mount Franklin               | 500 ml        | Australia            | 1     | 7.16" (181.9)         | 2.80" (71.1)            |
| Multi-Brand                  | 600 ml        | Australia            | 4     | 9.41" (239)           | 2.86" (72.6)            |
| Pepsi (Wide Mouth)           | 500 ml        | Australia            | 1     | 9.24" (234.7)         | 2.57" (65.3)            |
| Powerade                     | 500 ml        | Australia            | 7     | 7.47" (189.7)         | 2.72" (69)              |
| Sprite                       | 600 ml        | Australia            | 2     | 9.54" (242.3)         | 2.85" (72.4)            |
| Straight Bottle              | 500 ml        | Australia            | 4     | 8.69" (220.7)         | 2.66" (67.6)            |
| Naya Water                   | 12 oz.        | Canada               | 3     | 6.53" (165.9)         | 2.46" (62.5)            |
| Naya Water                   | 16.9 oz.      | Canada               | 3     | 8.56" (217.4)         | 2.45" (62.2)            |
| Contrex Water                | 50 cl         | France               | 9     | 8.5" (215.9)          | 2.45" (62.2)            |
| Evian Water                  | 50 cl         | France               | 3     | 8.82" (224)           | 2.45" (62.2)            |
| Plastic Bottle               | 500 ml        | Iceland              | 1     | 7.82" (198.6)         | 2.70" (68.6)            |
| Neviot Mineral Water         | 50 cl         | Israel               | 3     | 7.82" (198.6)         | 2.61" (66.3)            |
| Carbonated Water             | 500 ml        | Italy                | 1     | 8.33" (211.6)         | 2.70" (68.6)            |
| Coca-Cola Contour            | 500 ml        | Italy                | 2     | 9.24" (234.7)         | 2.59" (65.8)            |
| Non-Carbonated Water         | 500 ml        | Italy                | 1     | 8.21" (208.5)         | 2.67" (67.8)            |
| Pureza Aga Water             | 355 ml        | Mexico               | 3     | 7.10" (180.3)         | 2.26" (57.4)            |
| Coca-Cola Contour            | 500 ml        | Norway               | 2     | 9.08" (230.6)         | 2.53" (64.3)            |
| Coca-Cola Contour            | 500 ml        | Spain                | 2     | 9.13" (231.9)         | 2.59" (65.8)            |
| Coca-Cola Contour            | 500 ml        | United Kingdom       | 2     | 8.93" (226.8)         | 2.57" (65.3)            |
| Vittel Water (Square Bottle) | 17 oz.        | United Kingdom       | 3     | 7.52" (191)           | 2.44" (62)              |
| Avalon Water                 | 12 oz.        | United States        | 3     | 6.53" (165.9)         | 2.46" (62.5)            |
| Avalon Water                 | 12 oz.        | United States        | 3     | 7.37" (187.2)         | 2.31" (58.7)            |
| Avalon Water                 | 16.9 oz.      | United States        | 3     | 8.52" (216.4)         | 2.45" (62.2)            |
| Avalon Water (Sport Cap)     | 16.9 oz.      | United States        |       | 8.79" (223.3)         | 2.58" (65.5)            |
| Balsams Spring Water         | 16 oz.        | United States        | 6     | 7.25" (184.2)         | 2.64" (67)              |
| Castle Springs Water         | 12 oz.        | United States        | 3     | 7.08" (179.8)         | 2.32" (58.9)            |
| Castle Springs Water         | 16.9 oz.      | United States        | 3     | 7.97" (202.4)         | 2.63" (66.8)            |
| Coca-Cola Contour            | 20 oz.        | United States        | 2     | 9.03" (229.4)         | 2.86" (72.6)            |
| Crystal Light                | 16 oz.        | United States        | 3     | 7.94" (201.7)         | 2.55" (64.8)            |
| Evian Water                  | 330ml/11.2oz. | United States        | 3     | 6.35" (161.3)         | 2.39" (60.7)            |

| <b>Description</b>       | <b>Package Size</b> | <b>Country/<br/>Township</b> | <b>Shape</b> | <b>Height<br/>Inches (mm)</b> | <b>Diameter<br/>Inches (mm)</b> |
|--------------------------|---------------------|------------------------------|--------------|-------------------------------|---------------------------------|
| Evian (On Ice)           | 330 ml              | USA                          | 3            | 6.63" (168.4)                 | 2.45" (62.2)                    |
| Evian Water              | 16.9 oz             | United States                | 3            | 8.74" (222)                   | 2.42" (61.5)                    |
| Evian (On Ice)           | 500 ml              | United States                | 3            | 8.45" (214.6)                 | 2.48" (63)                      |
| Glen Falls Water         | 16 oz.              | United States                | 3            | 8.10" (205.7)                 | 2.49" (63.2)                    |
| Grayson Water            | 16.9 oz.            | United States                | 3            | 9.14" (232.2)                 | 2.50" (63.5)                    |
| LaCroix Water            | 16.9 oz.            | United States                | 3            | 8.05" (204.5)                 | 2.59" (65.8)                    |
| Mistic Sport             | 20 oz.              | United States                | 3            | 9.24" (234.7)                 | 2.81" (71.4)                    |
| Mountain Valley Water    | 12 oz.              | United States                | 3            | 7.26" (184.4)                 | 2.31" (58.7)                    |
| Mountain Valley Water    | 16.9 oz.            | United States                | 3            | 8.15" (207)                   | 2.60" (66)                      |
| Naya Water               | 16.9 oz. (500 ml)   | United States                | 3            | 8.56" (217.4)                 | 2.45" (64.8)                    |
| Pepsi (4 section bottom) | 12 oz.              | United States                | 1            | 6.31" (160.3)                 | 2.64" (67)                      |
| Pepsi Fastbreak          | 20 oz.              | Birmingham, AL               | 1            | 9.08" (230.6)                 | 2.67" (67.8)                    |
| Poland Springs Water     | 12 oz.              | United States                | 3            | 7.07" (179.6)                 | 2.32" (58.9)                    |
| Poland Springs Water     | 16.9 oz.            | United States                | 3            | 7.94" (201.7)                 | 2.63" (66.8)                    |
| Poland Springs Water     | 490 ml              | United States                | 3            | 7.82" (198.6)                 | 2.55" (64.8)                    |
| Zephyrhills Spring Water | 16.9 oz.            | United States                | 3            | 7.82" (198.6)                 | 2.55" (64.8)                    |

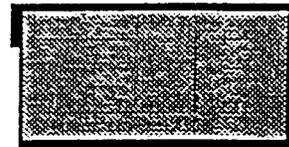
1. Where the symbols \*, + and @ are used refer to the following:  
(Use plastic tubes only where called out.)
  - \* Where the symbol \* appears on the shim chart, place the 10-3/4" long (9/32"ID, 3/8"OD) yellow plastic tube over the rod.
  - + Where the symbol + appears on the shim chart, place the 10-3/4" long (9/32"ID, 7/16"OD) red plastic tube over the rod.
  - @ Where the symbol @ appears on the shim chart, place the 10-3/4" long (9/32"ID, 17/32"OD) white plastic tube over the rod.
  
2. Where **REAR A**/**FRONT C** appears on the shim chart, this means the rod is installed (spring end first) in hole "A" at the rear of the rotor and the front end of the same rod is installed in hole "C".

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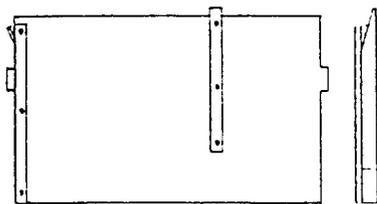
### PARTS ILLUSTRATIONS



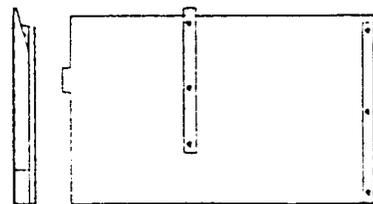
**Black Shim**  
801,804,96x.x1



**Grey Shim**  
801,805,12x.x1



**W/A Shim Left**  
443,010,60x.x3



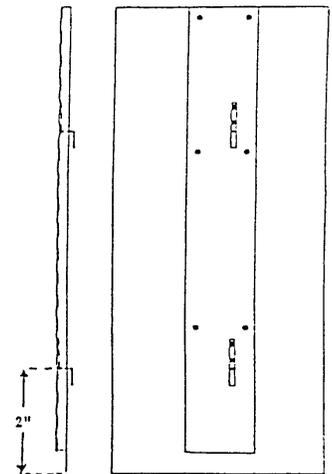
**W/A Shim Right**  
443,010,70x.x3

# INSTALLATION OF COLUMN WALL KIT

## NARROW COLUMNS

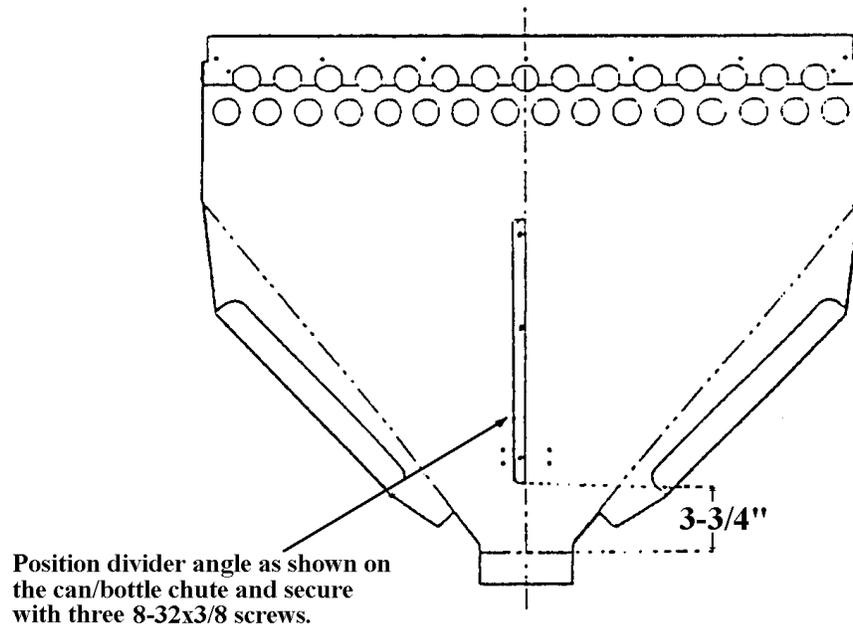
1. Unplug the vender.
2. Remove any existing shims.
3. Move the rear spacers to the rear of each column.
4. Remove the center tie bar.
5. Take the narrow column wall kit and locate the "clips" which are welded to the back side of the wall. See figure below.
6. Place the narrow kit wall in the column so the "clips" are towards the right column wall.
7. Align the "clips" with the existing slots in the right side stack wall.  
Note: There are two (2) upper and two (2) lower slots in each stack wall.  
Use the lower slots at each location.
8. Press the wall in position and ensure the "clips" are seated in the slots.
9. Set the rear spacer in the proper position.
10. Reinstall the center tie bar removed in step 4.
11. If using a Pre-Series 90 T-Model vender, go to step 14.
12. Remove existing sold out paddle.
13. Install new sold out paddle (part #432,070,17x.x3) in Series 90 venders.
14. Set the cams in the proper position.
15. Load the product and test for proper vending.

Narrow Right Column Wall



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## DIVIDER ANGLE INSTALLATION:



# 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 1 and 2 below for identification.

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

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. Push the wall in position to secure (clips in 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.

Wide Left  
Column Wall

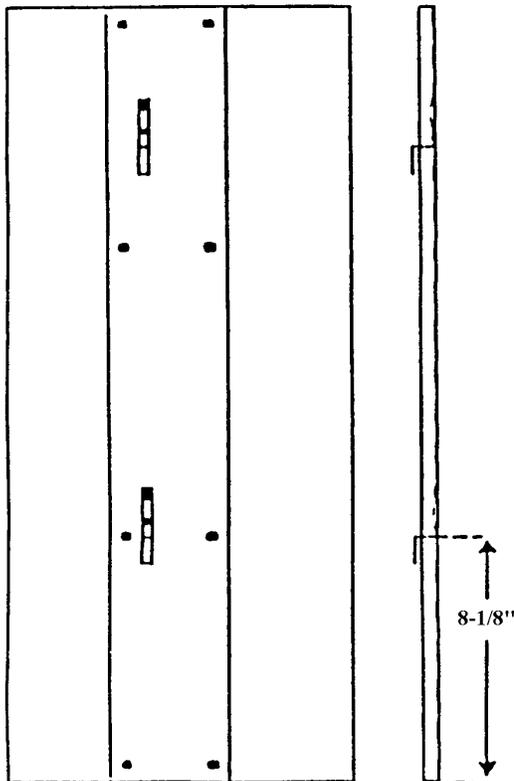


Figure 1

Wide Right  
Column Wall

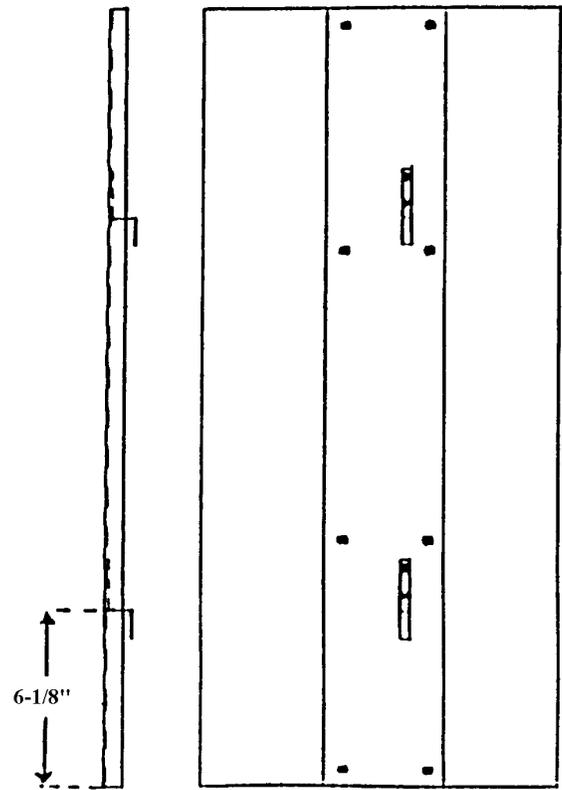


Figure 2

# EXTENDED DISCHARGE MEMBER INSTRUCTIONS

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

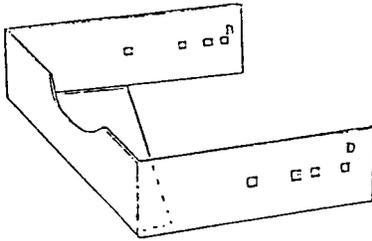


Figure 3A  
Extended Discharge Member Narrow  
493,051,10x.x4

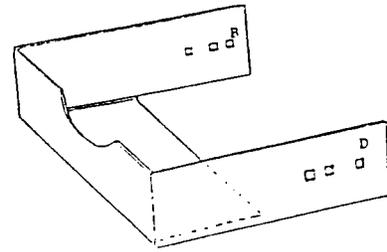


Figure 3B  
Extended Discharge Member Wide  
491,051,70x.x4 - for wide Coke Landscape, Pepsi Magnum Circular, &  
Generic Circular Venders  
491,051,90x.x4 - for All Full Length Sign Flat & Display Venders

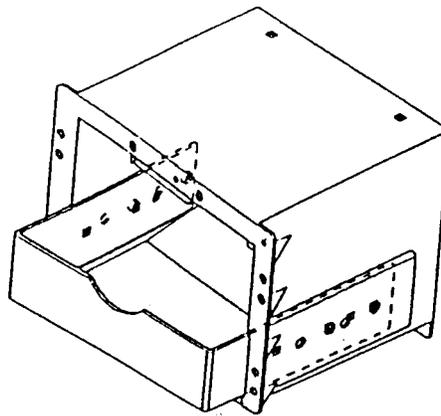


Figure 4

Use This Chart To "Set-Up" And "Shim" The "Shimless Stack" Vender.

Series 90, Beginning 2/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)

### PLASTIC BOTTLES

| PACKAGE DESCRIPTION<br>& VENDERS APPROVED                                                        | COUNTRY                        | SEE<br>PAGE(S)       | LOADING<br>DEPTH | Wide Columns                  |                |                    | REAR SPACER<br>LOCATION | Narrow Columns   |                           |                   |           |                | OTHER<br>PARTS   |
|--------------------------------------------------------------------------------------------------|--------------------------------|----------------------|------------------|-------------------------------|----------------|--------------------|-------------------------|------------------|---------------------------|-------------------|-----------|----------------|------------------|
|                                                                                                  |                                |                      |                  | PARTS PER<br>COLUMN           | CAM<br>SETTING | CAM(S)<br>REQUIRED |                         | LOADING<br>DEPTH | PARTS REQ'D<br>PER COLUMN | ROD<br>IN         | ROD<br>IN | CAM<br>SETTING |                  |
| 500 ml PET Straight Bottle<br>in Models 368 & 440                                                | Africa                         | 2, 3, 5, & B1        | 1                | 4 flat<br>black<br>shims      | 2 notches      | blue/gold          | Hole #16                | 1                | no shims required         | -                 | -         | #4             | none             |
| 500 ml PET Contour Coke<br>Bottle in Models 276, 360, & 440                                      | Australia                      | 2, 3, 5, & B1        | 1                | hem angles<br>and channel     | 2 notches      | blue/gold          | Hole #16                | 1                | 1 grey<br>shim right      | -                 | -         | #4             | none             |
| 600 ml PET Contour Coke,<br>600 ml PET Multi-Brand,<br>600 ml PET Sprite Bottles<br>in Model 440 | Australia                      | 2, 3, & B1           | -                | will not vend<br>at this time | -              | -                  | Hole #18                | 1                | 1 rotor, milled           | -                 | -         | #4             | none             |
| .5 Liter PET Jeema<br>Water Bottle in<br>Model 440                                               | Australia                      | 2, 3, 5, 6,<br>& B2  | 1                | 2 flat<br>black<br>shims      | 2 notches      | blue/gold          | Hole #15                | 1                | 0                         | -                 | -         | #4             | divider<br>angle |
| 500 ml PET "Mount Franklin"<br>Bottle in Models 276, 368, & 440                                  | Australia                      | 2, 3, & B2           | 1                | 1 milled<br>oscillator        | 2 notches      | blue/gold          | Hole #12                | 1                | 0                         | -                 | -         | #4             | none             |
| 500 ml Pepsi "Wide Mouth"<br>(The Slam) Bottle in Model 368                                      | Australia                      | 2, 3, & B2           | 1                | 0                             | 2 notches      | blue/gold          | Hole #17                | 1                | no shims required         | -                 | -         | #4             | none             |
| 500 ml PET Powerade Bottle<br>in Models 368 & 440                                                | Australia                      | 2, 3, B2,<br>& B3    | 1                | 1 milled<br>oscillator        | 2 notches      | blue/gold          | Hole #13                | 1                | 1 milled rotor            | -                 | -         | #4             | none             |
| 500 ml PET Straight Bottle<br>in Models 276 & 440                                                | Australia                      | 2, 3, 5, 6,<br>& B3  | 1                | right & left<br>w/a shim      | 2 notches      | blue/gold          | Hole #15                | 1                | w/a wall right            | Rear A<br>Front C | -         | #4             | divider<br>angle |
| 16.9 oz. Naya Water, 16.9 oz.<br>Avalon in Models 440 & 368                                      | Canada<br><br>United<br>States | 2, 3, 5,<br>& B3     | 1                | 4 flat<br>black<br>shims      | 2 notches      | blue/gold          | Hole #16                | 1                | 1 grey<br>shim<br>right   | B                 | -         | #4             | none             |
| 50 cl Contrex Water<br>Plastic Bottle in<br>Model 368                                            | France                         | 2, 3, 5,<br>B3, & B4 | 1                | 2 flat<br>black<br>shims      | 2 notches      | blue/gold          | Hole #16                | 1                | 1 flat<br>shim<br>right   | A+                | -         | #4             | none             |

NA = Not Applicable  
@, +, and \* see page 5.

| PACKAGE DESCRIPTION & VENDERS APPROVED                                                  | COUNTRY                 | SEE PAGE(S)       | Wide Columns  |                                  |             |               | CAM(S) REQUIRED | REAR SPACER LOCATION | Narrow Columns         |        |        |             |      | OTHER PARTS |
|-----------------------------------------------------------------------------------------|-------------------------|-------------------|---------------|----------------------------------|-------------|---------------|-----------------|----------------------|------------------------|--------|--------|-------------|------|-------------|
|                                                                                         |                         |                   | LOADING DEPTH | PARTS PER COLUMN                 | CAM SETTING | LOADING DEPTH |                 |                      | PARTS REQ'D PER COLUMN | ROD IN | ROD IN | CAM SETTING |      |             |
| 50 cl PET Evian Water Bottle in Model 368                                               | France                  | 2, 3, 5, & B4     | 1             | 4 flat black shims               | 2 notches   | blue/gold     | Hole #16        | 1                    | 1 grey shim right      | B      | -      | #4          | none |             |
| 500 ml PET Bottle in Models 360 & 368                                                   | Iceland                 | 2, 3, & B4        | 1             | 0                                | 2 notches   | blue/gold     | Hole #14        | 1                    | no shims required      | -      | -      | #4          | none |             |
| 50 cl Neviot Mineral Water in Model 440                                                 | Israel                  | 2, 3, 5, B4, & B5 | 1             | 2 flat black shims               | 2 notches   | blue/gold     | Hole #15        | 1                    | 1 grey shim right      | A+     | -      | #4          | none |             |
| 500 ml PET Water Carbonated & Non-Carbonated Plastic Bottle in Model 360                | Italy                   | 2, 3, & B5        | 1             | 0                                | 2 notches   | blue/gold     | Hole #15        | NA                   | NA                     | NA     | NA     | NA          | none |             |
| 500 ml PET Contour Coke Bottle in Models 180, 276, 360, 368, & 414                      | Spain and Italy         | 2, 3, & B5        | 1             | no shims required                | 2 notches   | blue/gold     | Hole #17        | 1                    | no shims required      | -      | -      | #4          | none |             |
| 355 ml PET "Pureza Aga" Water Bottle in Models 440 & 368                                | Mexico                  | 2, 3, 5, & B5     | 1             | 6 flat black shims               | 2 notches   | blue/gold     | Hole #12        | 1                    | 0                      | A+     | -      | #4          | none |             |
| 500 ml PET Contour Coke Bottle in Model 440                                             | Norway                  | 2, 3, 5, & B6     | 1             | 2 flat black & 2 flat grey shims | 2 notches   | blue/gold     | Hole #17        | 1                    | 0                      | -      | -      | #4          | none |             |
| 500 ml Coca Cola "Contour" Plastic Bottle in Models 276 & 360                           | United Kingdom          | 2, 3, 5, & B6     | 1             | w/a right & left shim            | 2 notches   | blue/gold     | Hole #17        | 1                    | 1 grey shim right      | -      | -      | #4          | none |             |
| 17 oz. Vittel Water Bottle in Model 276                                                 | United Kingdom          | 2, 3, & B6        | 0             | WILL NOT VEND                    | -           | -             | Hole #12        | 1                    | no shims required      | -      | -      | #4          | none |             |
| 12 oz. Avalon Spring Water & 12 oz Naya Spring Water Plastic Bottle in Models 368 & 440 | United States<br>Canada | 2, 3, 5, & B7     | 1             | 4 flat black shims               | 2 notches   | blue/gold     | Hole #10        | 1                    | 0                      | A+     | -      | #4          | none |             |
| 12 oz. Avalon Spring Water Plastic Bottle In Models 168 & 276                           | United States           | 2, 3, 5, 7, & B6  | 1             | 4 flat black shims               | 2 notches   | blue/gold     | Hole #12        | 1                    | no shims required      | A+     | C+     | #4          | none |             |

NA = Not Applicable  
 @, +, and \* see page 5.

| Wide Columns                                                                                                     |               |                   |               |                            |             |                 | All Columns          | Narrow Columns |                                              |                     |        |             |                           |
|------------------------------------------------------------------------------------------------------------------|---------------|-------------------|---------------|----------------------------|-------------|-----------------|----------------------|----------------|----------------------------------------------|---------------------|--------|-------------|---------------------------|
| PACKAGE DESCRIPTION & VENDERS APPROVED                                                                           | COUNTRY       | SEE PAGE(S)       | LOADING DEPTH | PARTS PER COLUMN           | CAM SETTING | CAM(S) REQUIRED | REAR SPACER LOCATION | LOADING DEPTH  | PARTS REQ'D PER COLUMN                       | ROD IN              | ROD IN | CAM SETTING | OTHER PARTS               |
| 16.9 oz. Avalon Spring Water Sport Cap<br>In Models 168 & 276                                                    | United States | 2, 3, 5, & B7     | 1             | 2 flat black shims         | 2 notches   | blue/gold       | Hole #16             | 1              | no shims required<br>1 hole plug             | -                   | -      | #4          | none                      |
| 16 oz. PET Balsams Spring Water Bottle<br>in Model 368                                                           | United States | 2, 3, 5, B7, & B8 | 1             | 4 flat black shims         | 2 notches   | blue/gold       | Hole #12             | 1              | 1 grey shim right                            | front A+<br>Rear B+ | -      | #4          | none                      |
| 12 oz Castle Springs & 12 oz Poland Spring Water Plastic Bottle in Models 368 & 440                              | United States | 2, 3, 4, 5, & B8  | 1             | 6 flat black shims         | 2 notches   | blue/gold       | Hole #12             | 1              | 0                                            | A+                  | -      | #4          | none                      |
| 16.9 oz Mountain Valley Spring, 16.9 oz PET Castle Springs, 16.9 oz. PET Poland Spring Water Bottle in Model 368 | United States | 2, 3, 4, 5, & B8  | 1             | 2 flat black shims         | 2 notches   | blue/gold       | Hole #15             | 1              | 0                                            | B                   | -      | #4          | none                      |
| 20 oz. PET Contour Coke Bottle in model 180                                                                      | United States | 2, 3, 8, & B8     | 1             | 1 oscillator milled        | 2 notches   | blue/gold       | Hole #17             | NA             | NA                                           | NA                  | NA     | NA          | extended discharge member |
| 16 oz. PET Crystal Light Bottle in Model 368                                                                     | United States | 2, 3, 5, & B9     | 1             | 2 flat black shims         | 2 notches   | blue/gold       | Hole #14             | 1              | 0                                            | B                   | -      | #4          | none                      |
| 330 ml (11.2 oz) Evian Water Bottle in all Models                                                                | United States | 2, 3, 5, 7, & B9  | 1             | 1 right & left column wall | 2 notches   | blue/gold       | Hole #10             | 1              | 1 grey shim right                            | B                   | -      | #4          | none                      |
| 330 ml PET Evian "On Ice" Water Bottle in Model 360                                                              | United States | 2, 3, 4, & B9     | 1             | 6 flat black shims         | 2 notches   | blue/gold       | Hole #11             | NA             | NA                                           | NA                  | NA     | NA          | none                      |
| 500 ml PET Evian "On Ice" Water Bottle in Models 360 & 368                                                       | United States | 2, 4, & B9        | 1             | 4 flat black shims         | 2 notches   | blue/gold       | Hole #16             | 1              | 0                                            | -                   | -      | #4          | none                      |
| 16.9 oz. PET Evian Water Bottle in Models 360 & 368                                                              | United States | 2, 4, 5, & B10    | 1             | 8 flat black shims         | 2 notches   | blue/gold       | Hole #16             | 1              | 1 grey shim right                            | B                   | -      | #4          | none                      |
| 16 oz. PET Glen Falls Water Bottle in Models 276, 300, 368 & 440                                                 | United States | 2, 4, 5, & B10    | 1             | 4 flat black shims         | 2 notches   | blue/gold       | Hole #15             | 1              | 1 grey shim right                            | B                   | -      | #4          | divider angle             |
| 16.9 oz. PET Grayson Water Bottle in models 368 & 440                                                            | United States | 2, 4, 5, & B10    | 1             | 4 flat black shims         | 2 notches   | blue/gold       | Hole #17             | 1              | 1 grey shim right<br>1 hole plug rear spacer | B                   | -      | #4          | none                      |

NA = Not Applicable  
@, +, and \* see page 5.

| Wide Columns                                                              |                |                |               |                     |             |                 | All Columns          | Narrow Columns |                         |        |        |             |             |
|---------------------------------------------------------------------------|----------------|----------------|---------------|---------------------|-------------|-----------------|----------------------|----------------|-------------------------|--------|--------|-------------|-------------|
| PACKAGE DESCRIPTION & VENDERS APPROVED                                    | COUNTRY        | SEE PAGE(S)    | LOADING DEPTH | PARTS PER COLUMN    | CAM SETTING | CAM(S) REQUIRED | REAR SPACER LOCATION | LOADING DEPTH  | PARTS REQ'D PER COLUMN  | ROD IN | ROD IN | CAM SETTING | OTHER PARTS |
| 16.9 oz PET LaCroix Water Bottle<br>In Models 360 & 368                   | United States  | 2, 3, 4, & B11 | 1             | 2 flat black shims  | 2 notches   | blue/gold       | Hole #15             | 1              | 0                       | B      | -      | #4          | none        |
| 20 oz. Mystic Sport Bottle<br>in Models 414 & 440                         | United States  | 2, 4, & B11    | 1             | 1 oscillator milled | 2 notches   | blue/gold       | Hole #17             | 1              | 1 rear spacer hole plug | -      | -      | #4          | none        |
| 12 oz. Mountain Valley Spring Water Plastic Bottle<br>In Models 368 & 440 | United States  | 2, 3, 5, & B8  | 1             | 6 flat black shims  | 2 notches   | blue/gold       | Hole #12             | 1              | 0                       | B+     | -      | #4          | none        |
| 16.9 oz. (500 ml) Naya Water Plastic Bottle<br>In Models 168 & 276        | United States  | 2, 4, 5, & B11 | 1             | 4 flat black shims  | 2 notches   | blue/gold       | Hole #16             | 1              | no shims                | B      | -      | #4          | none        |
| 12 oz. PET Pepsi Bottle<br>in Model 440                                   | United States  | 2,4, B11 & B12 | 1             | no shims required   | 2 notches   | blue/gold       | Hole #10             | 1              | no shims required       | -      | -      | #4          | none        |
| 20 oz. PET Pepsi "Fast Break" Bottle<br>in Model 368                      | Birmingham, AL | 2, 4, & B12    | 1             | no shims required   | 2 notches   | blue/gold       | Hole #18             | 1              | no shims required       | -      | -      | #4          | none        |
| 490 ml Poland Spring Water Plastic Bottle<br>in Models 368 & 440          | United States  | 2, 4, 5, & B12 | 1             | 2 flat black shims  | 2 notches   | blue/gold       | Hole 15              | 1              | 1 grey shim right       | A+     | -      | #4          | none        |
| 16.9 oz. Zephyrhills Spring Water Bottle<br>in Model 440                  | United States  | 2, 4, 5, & B12 | 1             | 2 flat black shims  | 2 notches   | blue/gold       | Hole 15              | 1              | 0                       | B      | -      | #4          | none        |

NA = Not Applicable  
@, +, and \* see page 5.

# INDIVIDUAL COLUMN SET-UP & SHIMMING

## 500 ml PET Straight Bottle (East Africa) (In models 368 & 440)

### Wide Column Set-Up 1 deep

- 4 - 801,804,96x.x1 flat black shim (2 each side)
  - 1 - 801,806,39x.x1 cam, blue vending
  - 1 - 801,806,40x.x1 cam, gold adjustable
- Cam setting #1 or 2 notches.  
Rear spacer set in hole #16.

### Narrow Column Set-Up 1 deep

- No shims required.
- 1 - 267,012,30x.x3 rod and spring assembly
- Place rod in hole "B" of rotor.  
Cam setting #4 or 1 notch.  
Rear spacer set in hole #16.  
SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

## 500 ml PET Contour Coke Bottle (Australia) (In models 276, 360, & 440)

### Wide Column Set-Up 1 deep

- 1 - 801,806,39x.x1 cam, blue vending
  - 1 - 801,806,40x.x1 cam, gold adjustable
  - 2 - 267,070,46x.x3 440 hem channel wide
  - 2 - 267,070,48x.x3 440 hem angle left
  - 2 - 267,070,47x.x3 440 hem angle right
  - 1 - 270,070,17x.x3 276 hem channel wide
  - 2 - 270,070,19x.x3 276 hem angle left
  - 2 - 270,070,18x.x3 276 hem angle right
  - 5 - 270,070,17x.x3 360 hem channel wide
  - 1 - 270,070,19x.x3 360 hem angle left
  - 1 - 270,070,18x.x3 360 hem angle right
- Cam setting #1 or 2 notches.  
Rear spacer set in hole #16.

### Narrow Column Set-Up 1 deep

- 1 - 801,805,12x.x1 flat grey shim, right
- Cam setting #4 or 1 notch.  
Rear spacer set in hole #16.  
SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

## 600 ml PET Coca-Cola Contour Bottle (Australia) (In model 440)

## 600 ml PET Multi-Brand Bottle (Australia) (In models 414 and 440)

## 600 ml PET Sprite Bottle (Australia) (In model 440)

### Wide Column Set-Up

Will not vend at this time.

### Narrow Column Set-Up

- No shims required.
- 1 - 801,201,53x.x1 milled rotor, 20 oz.
- Cam setting #4 or 1 notch.  
Rear spacer set in hole #18.  
SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**.5 Liter PET Jeema Water (Australia) (In model 440)**

Wide Column Set-Up 1 deep

2 - 801,804,96x.x1 flat black shim (1 each side)  
1 - 801,806,39x.x1 cam, blue vending  
1 - 801,806,40x.x1 cam, gold adjustable  
Cam setting #1 or 2 notches.  
Rear spacer set in hole #15.

Narrow Column Set-Up 1 deep

No shims required.  
1 - 236,010,01x.x3 divider angle (1 per vender)  
Cam setting #4 or 1 notch.  
Rear spacer set in hole #15.  
SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**500 ml PET Mt. Franklin Bottle (Australia) (In models 276, 368, & 440)**

Wide Column Set-Up 1 deep

1 - 491,072,70x.x3 milled oscillator assy., 1¼" deeper  
1 - 801,806,39x.x1 cam, blue vending  
1 - 801,806,40x.x1 cam, gold adjustable  
No shims required.  
Cam setting #1 or 2 notches.  
Rear spacer set in hole #12.

Narrow Column Set-Up 1 deep

No shims required.  
Cam setting #4 or 1 notch.  
Rear spacer set in hole #12.  
SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**500 ml PET Pepsi "Wide Mouth" (The Slam) (Australia) (In model 368)**

Wide Column Set-Up 1 deep

1 - 801,806,39x.x1 cam, blue vending  
1 - 801,806,40x.x1 cam, gold adjustable  
No shims required.  
Cam setting #1 or 2 notches.  
Rear spacer set in hole #17.

Narrow Column Set-Up 1 deep

No shims required.  
Cam setting #4 or 1 notch.  
Rear spacer set in hole #17.  
SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**500 ml PET Powerade Bottle (Australia) (In models 368 & 440)**

Wide Column Set-Up 1 deep

1 - 491,072,70x.x3 milled oscillator assy., 1-¼" deeper  
1 - 801,806,39x.x1 cam, blue vending  
1 - 801,806,40x.x1 cam, gold adjustable  
No shims required.  
Cam setting #1 or 2 notches.  
Rear spacer set in hole #13.

**500 ml PET Powerade Bottle (Australia) (In models 368 & 440)**

Continued

Narrow Column Set-Up 1 deep

No shims required.

1 - 801,201,50x.x1 milled rotor, 1-1/4" deeper shimless

Cams setting #4 or 1 notch.

Rear spacer set in hole #13.

SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**500 ml PET Straight Bottle (Australia) (In models 276 and 440)**

Wide Column Set-Up 1 deep

1 - 443,010,60x.x3 w/a left bottle shim -2

1 - 443,010,70x.x3 w/a right bottle shim -2

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

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

Cam setting #1 or 2 notches.

Rear spacer set in hole #15.

Narrow Column Set-Up 1 deep

1 - 443,013,90x.x3 440 w/a wall, right

1 - 443,013,80x.x3 276 w/a wall, right

1 - 267,012,30x.x3 rod and spring assembly

1 - 236,010,01x.x3 divider angle

Place rod in hole "C" in front and hole "A" in rear of rotor.

Cam setting #4 or 1 notch.

Rear spacer set in hole #15.

SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**16.9 oz PET Naya Water Bottle (Canada) (In model 440)**

**16.9 oz PET Avalon Water Bottle (United States) (In models 440 & 368)**

Wide Column Set-Up 1 deep

4 - 801,804,96x.x1 flat black shim (2 each side)

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

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

Cam setting #1 or 2 notches.

Rear spacer set in hole #16.

Narrow Column Set-Up 1 deep

1 - 801,805,12x.x1 flat grey shim, right

1 - 267,012,30x.x3 rod and spring assy.

Place rod in hole "B" of rotor.

Cam setting #4 or 1 notch.

Rear spacer set in hole #16.

SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**50 cl Contrex Water Plastic Bottle (France) (In model 368)**

Wide Column Set-Up 1 deep

2 - 801,804,96x.x1 flat black shim (1 each side)

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

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

Cam setting #1 or 2 notches.

Rear spacer set in hole #16.

**50 cl Contrex Water Plastic Bottle (France) (In model 368)**

Continued

Narrow Column Set-Up 1 deep

- 1 - 801,805,12x.x1 flat grey shim, right
  - 1 - 267,012,30x.x3 rod and spring assembly
  - 1 - 901,902,00x.x1 red tubing
- Place rod with red tube in hole "A" of rotor.  
Cam setting #4 or 1 notch.  
Rear spacer set in hole # 16.

**50 cl PET Evian Water (France) (In model 368)**

Wide Column Set-Up 1 deep

- 4 - 801,804,96x.x1 flat black shim (2 each side)
  - 1 - 801,806,39x.x1 cam, blue vending
  - 1 - 801,806,40x.x1 cam, gold adjustable
- Cam setting #1 or 2 notches.  
Rear spacer set in hole #16.

Narrow Column Set-Up 1 deep

- 1 - 801,805,12x.x1 flat grey shim, right
  - 1 - 267,012,30x.x3 rod and spring assembly
- Place rod in hole "B" of rotor.  
Cam setting #4 or 1 notch.  
Rear spacer set in hole #16.  
SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**500 ml PET Bottle (Iceland) (In models 360 & 368)**

Wide Column Set-Up 1 deep

- No shims required.
- 1 - 801,806,39x.x1 cam, blue vending
  - 1 - 801,806,40x.x1 cam, gold adjustable
- Cam setting #1 or 2 notches.  
Rear spacer set in hole #14.

Narrow Column Set-Up 1 deep

- No shims required.  
Cam setting #4 or 1 notch.  
Rear spacer set in hole #14.  
SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES

**50 cl PET Neviot Mineral Water Plastic Bottle (Israel) (In model 440)**

Wide Column Set-Up 1 deep

- 2 - 801,804,96x.x1 flat black shim (1 each side)
  - 1 - 801,806,39x.x1 cam, blue vending
  - 1 - 801,806,40x.x1 cam, gold adjustable
- Cam setting #1 or 2 notches.  
Rear spacer set in hole #15.

Narrow Column Set-Up 1 deep

- 1 - 801,805,12x.x1 flat grey shim, right
  - 1 - 267,012,30x.x3 rod & spring assembly
  - 1 - 901,902,00x.x1 red tubing
- Place rod with red tubing in hole "A" of rotor.  
Cam setting #4 or 1 notch.  
Rear spacer set in hole #15.  
SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**500 ml PET Water Carbonated Plastic Bottle (Italy) (In model 360)**

**500 ml PET Water Non-Carbonated Plastic Bottle (Italy) (In model 360)**

Wide Column Set-Up 1 deep

No shims required.

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

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

Cam setting #1 or 2 notches.

Rear spacer set in hole #15.

SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**500 ml PET Coca-Cola Contour Bottle (Spain) (In models 180, 276, 360, 368, and 414)**

**500 ml PET Coca-Cola Contour Bottle (Italy) (In models 368, 414, and 440)**

Wide Column Set-Up 1 deep

No shims required.

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

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

Cam setting #1 or 2 notches.

Rear spacer set in hole #17.

Narrow Column Set-Up 1 deep

No shims required.

Cam setting #4 or 1 notch.

Rear spacer set in hole #17.

SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**355 ml PET Pureza Aga Water Bottle (Mexico) (In models 440 & 368)**

Wide Column Set-Up 1 deep

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

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

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

Cam setting #1 or 2 notches.

Rear spacer set in hole #12.

Narrow Column Set-Up 1 deep

1 - 267,012,30x.x3 rod and spring assembly

1 - 901,902,00x.x1 red tubing

Place rod with red tubing in hole "A" of rotor.

Cam setting #4 or 1 notch.

**500 ml PET Contour Coke Bottle (Norway) (In model 440)**

Wide Column Set-Up 1 deep

2 - 801,804,96x.x1 flat black shim (1 each side)

2 - 801,805,12x.x1 flat grey shim (1 each side)

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

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

Cam setting #1 or 2 notches.

Rear spacer set in hole #17.

Narrow Column Set-Up 1 deep

No shims required.

Cam setting #4 or 1 notch.

Rear spacer set in hole #17.

SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**500 ml Coca-Cola "Contour" Plastic Bottle (United Kingdom) (In model 276 & 360)**

Wide Column Set-Up 1 deep

1 - 443,010,60x.x3 w/a left bottle shim -2  
1 - 443,010,70x.x3 w/a right bottle shim -2  
1 - 801,806,39x.x1 cam, blue vending  
1 - 801,806,40x.x1 cam, gold adjustable  
Cam setting #1 or 2 notches.  
Rear spacer set in hole #17.

Narrow Column Set-Up 1 deep

1 - 801,805,12x.x1 flat grey shim, right  
Cam setting #4 or 1 notch.  
Rear spacer set in hole #17.

SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**17 oz. PET Vittel (Square) Water Bottle (United Kingdom) (In model 276)**

Wide Column Set-Up

Will Not Vend.

Narrow Column Set-Up 1 deep

No shims required.  
Cam setting #4 or 1 notch.  
Rear spacer set in hole #12.

SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**12 oz. Avalon Spring Water (7.37"ht. x 2.31"dia.) (United States) (In models 168 & 276)**

Wide Column Set-Up 1 deep

4 - 801,804,96x.x1 flat black shim (2 each side)  
1 - 801,806,39x.x1 cam, blue vending  
1 - 801,806,40x.x1 cam, gold adjustable  
Cam setting #1 or 2 notches.  
Rear spacer set in hole #12.

Narrow Column Set-Up 1 deep

No shims required.  
2 - 267,012,30x.x3 rod and spring assembly  
2 - 901,902,00x.x1 red tubing  
Place one rod with red tubing in hole "A" of rotor.  
Place one rod with red tubing in hole "C" of rotor.  
Cam setting #4 or 1 notch.  
Rear spacer set in hole #12.

SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**12 oz. Avalon Spring Water Bottle (6.53"ht. x 2.46" dia.) (United States) (In model 440)**

**12 oz Naya Spring Water Plastic Bottle (Canada) (In models 368 & 440)**

Wide Column Set-Up 1 deep

4 - 801,804,96x.x1 flat black shim (2 each side)  
1 - 801,806,39x.x1 cam, blue vending  
1 - 801,806,40x.x1 cam, gold adjustable  
Cam setting #1 or 2 notches.  
Rear spacer set in hole #10.

Narrow Column Set-Up 1 deep

No shims required.  
1 - 267,012,30x.x3 rod and spring assembly  
1 - 901,902,00x.x1 red tubing  
Place rod with red tubing in hole "A" of rotor.  
Cam setting #4 or 1 notch.  
Rear spacer set in hole #10.

**16.9 oz. PET Avalon Spring Water Sport Cap Bottle (USA) (In model 168 & 276)**

Wide Column Set-Up 1 deep

2 - 801,804,96x.x1 flat black shim (1 each side)  
1 - 801,806,39x.x1 cam, blue vending  
1 - 801,806,40x.x1 cam, gold adjustable  
Cam setting #1 or 2 notches.  
Rear spacer set in hole #16.

Narrow Column Set-Up 1 deep

No shims required.  
1 - 801,903,04x.x1 hole plug  
Cam setting #4 or 1 notch.  
Rear spacers set for bottles.  
SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**16 oz. PET Balsams Spring Water (United States) (In model 368)**

Wide Column Set-Up 1 deep

4 - 801,804,96x.x1 flat black shim (2 each side)  
1 - 801,806,39x.x1 cam, blue vending  
1 - 801,806,40x.x1 cam, gold adjustable  
Cam setting #1 or 2 notches.  
Rear spacer set in hole #12.

Narrow Column Set-Up 1 deep

1 - 801,805,12x.x1 flat grey shim, right  
1 - 267,012,30x.x3 rod & spring assembly  
1 - 901,902,00x.x1 red tubing  
Place rod with red tubing in hole "A" front and hole "B" rear of rotor.  
Cam setting #4 or 1 notch.  
Rear spacer set in hole #12.  
SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**12 oz Mountain Valley Spring Water Plastic Bottle (United States) (In models 368 & 440)**

**12 oz Poland Spring Water Plastic Bottle (United States) (In models 368 & 440)**

**12 oz Castle Springs Water Plastic Bottle (United States) (In models 368 & 440)**

Wide Column Set-Up 1 deep

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

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

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

Cam setting #1 or 2 notches.

Rear spacer set in hole #12.

Narrow Column Set-Up 1 deep

No shims required.

1 - 267,012,30x.x3 rod and spring assembly

1 - 901,902,00x.x1 red tubing

Place one rod with red tubing in hole "A" of rotor for Poland Spring & Castle Springs bottles.

Place one rod with red tubing in hole "B" of rotor for Mountain Valley Spring bottle.

Cam setting #4 or 1 notch.

Rear spacer set in hole #12.

**16.9 oz. Mountain Valley Spring Water Bottle (United States) (In model 368)**

**16.9 oz. PET Castle Springs Water Bottle (United States) (In models 368 & 440)**

**16.9 oz. PET Poland Spring Water (United States) (In model 368)**

Wide Column Set-Up 1 deep

2 - 801,804,96x.x1 flat black shim (1 each side)

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

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

Cam setting #1 or 2 notches.

Rear spacer set in hole #15.

Narrow Column Set-Up 1 deep

1 - 267,012,30x.x3 rod & spring assembly

Place rod in hole "B" of rotor.

Cam setting #4 or 1 notch.

Rear spacer set in hole #15.

SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**20 oz. PET Coca-Cola "Contour" Bottle (United States) (In model 180)**

Wide Column Set-Up 1 deep

No shims required.

1 - 491,075,20x.x3 milled oscillator, 20 oz.

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

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

1 - see list below extended discharge member (1 per vender)

491,051,70x.x4 for Wide Coke Circular and Generic Circular venders

491,051,90x.x4 for Full Length Sign and Display venders

Cam setting #1 or 2 notches.

Rear spacer set in hole #17.

SET CLOSURE STRIP FOR BOTTLES.

**16 oz. PET Crystal Light Bottle (United States) (In model 368)**

Wide Column Set-Up 1 deep

- 2 - 801,804,96x.x1 flat black shim (1 each side)
  - 1 - 801,806,39x.x1 cam, blue vending
  - 1 - 801,806,40x.x1 cam, gold adjustable
- Cam setting #1 or 2 notches.  
Rear spacer set in hole #14.

Narrow Column Set-Up 1 deep

- 1 - 267,012,30x.x3 rod and spring assembly
- Place rod in hole "B" of rotor.  
Cam setting #4 or 1 notch.  
Rear spacer set in hole #14.  
SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**330 ml (11.2 oz.) PET Evian Water Bottle (United States) (In all models)**

Wide Column Set-Up 1 deep

- 1 - reference list w/a column wall left
    - 443,011,50x.x3 440, 414
    - 443,011,30x.x3 276, 348, 360, 368
    - 445,010,80x.x3 180
  - 1 - reference list w/a column wall right
    - 443,011,60x.x3 440, 414
    - 443,011,40x.x3 276, 348, 360, 368
    - 445,010,90x.x3 180
- Cam setting #1 or 2 notches.  
Rear spacer set in hole #10.

Narrow Column Set-Up 1 deep

- 1 - 801,805,12x.x1 flat grey shim, right
  - 1 - 267,012,30x.x3 rod and spring assembly
- Place rod in hole "B" of rotor.  
Cam setting #4 or 1 notch.  
Rear spacer set in hole #10.

**330 ml PET Evian "On Ice" Water Plastic Bottle (United States) (In model 360)**

Wide Column Set-Up

- 6 - 801,804,96x.x1 flat black shim (3 each side)
  - 1 - 801,806,39x.x1 cam, blue vending
  - 1 - 801,806,40x.x1 cam, gold adjustable
- Cam setting #1 or 2 notches.  
Rear spacer set in hole #11.  
SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**500 ml PET Evian "On Ice" Water Bottle (United States) (In models 360 & 368)**

Wide Column Set-Up 1 deep

- 4 - 801,804,96x.x1 flat black shim (2 each side)
  - 1 - 801,806,39x.x1 cam, blue vending
  - 1 - 801,806,40x.x1 cam, gold adjustable
- Cam setting #1 or 2 notches.  
Rear spacer set in hole #16.

Narrow Column Set-Up 1 deep

- No shims required.
- Cam setting #4 or 1 notch.  
Rear spacer set in hole #16.  
SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**16.9 oz. PET Evian Water Bottle (United States) (In models 360 & 368)**

Wide Column Set-Up 1 deep

8 - 801,804,96x.x1 flat black shim (4 each side)  
1 - 801,806,39x.x1 cam, blue vending  
1 - 801,806,40x.x1 cam, gold adjustable  
Cam setting #1 or 2 notches.  
Rear spacer set in hole #16.

Narrow Column Set-Up 1 deep

1 - 801,805,12x.x1 flat grey shim, right  
1 - 267,012,70x.x3 rod & spring assembly  
Install rod in hole "B" of rotor.  
Cam setting #4 or 1 notch.  
Rear spacer set in hole #16.

SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**16 oz. PET Glen Falls Water Bottle (United States) (In models 276, 300, 368, & 440)**

Wide Column Set-Up 1 deep

4 - 801,804,96x.x1 flat black shim (2 each side)  
1 - 801,806,39x.x1 cam, blue vending  
1 - 801,806,40x.x1 cam, gold adjustable  
Cam setting #1 or 2 notches.  
Rear spacer set in hole #15.

Narrow Column Set-Up 1 deep

1 - 801,805,12x.x1 flat grey shim, right  
1 - 267,012,30x.x3 rod & spring assembly  
1 - 236,010,01x.x3 divider angle (1 per vender)  
Place rod in hole "B" of rotor.  
Cam setting #4 or 1 notch.  
Rear spacer set in hole #15.

SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**16.9 oz. PET Grayson Water Bottle (United States) (In models 368 & 440)**

Wide Column Set-Up 1 deep

4 - 801,804,96x.x1 flat black shim (2 each side)  
1 - 801,806,39x.x1 cam, blue vending  
1 - 801,806,40x.x1 cam, gold adjustable  
Cam setting #1 or 2 notches.  
Rear spacer set in hole #15.

Narrow Column Set-Up 1 deep

1 - 801,805,12x.x1 flat grey shim, right  
1 - 267,012,30x.x3 rod & spring assembly  
1 - 801,903,04x.x1 hole plug, rear spacer bottom hole  
Install the rod in hole "B" of the rotor.  
Cam setting #4 or 1 notch.  
Rear spacer set in hole #15.

SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**16.9 oz PET LaCroix Water Bottle (United States) (In models 360 & 368)**

Wide Column Set-Up 1 deep

- 2 - 801,804,96x.x1 flat black shim (1 each side)
  - 1 - 801,806,39x.x1 cam, blue vending
  - 1 - 801,806,40x.x1 cam, gold adjustable
- Cam setting #1 or 2 notches.  
Rear spacer set in hole #15.

Narrow Column Set-Up 1 deep

- 1 - 267,012,30x.x3 rod and spring assy.
- Install the rod in hole "B" of the rotor.  
Cam setting #4 or 1 notch.  
Rear spacer set in hole #15.  
**SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.**

**16.9 oz. (500 ml) PET Naya Water Bottle (United States & Canada) (168 & 276)**

Wide Column Set-Up 1 deep

- 4 - 801,804,96x.x1 flat black shim (2 each side)
  - 1 - 801,806,39x.x1 cam, blue vending
  - 1 - 801,806,40x.x1 cam, gold adjustable
- Cam setting #1 or 2 notches.  
Rear spacer set in hole #16.

Narrow Column Set-Up 1 deep

- No shims required.
  - 1 - 267,012,30x.x3 rod and spring assy.
- Place one rod in hole "B" of rotor.  
Cam setting #4 or 1 notch.  
Rear spacer set in hole #16.  
**SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.**

**20 oz. PET Mystic Sport Bottle (United States) (In models 414 & 440)**

Wide Column Set-Up 1 deep

- No shims required.
  - 1 - 491,075,20x.x3 milled oscillator, 20 oz.
  - 1 - 801,806,39x.x1 cam, blue vending
  - 1 - 801,806,40x.x1 cam, gold adjustable
- Cam setting #1 or 2 notches.  
Rear spacer set in hole #17.

Narrow Column Set-Up 1 deep

- No shims required.
  - 1 - 801,903,04x.x1 hole plug, rear spacer
- Install hole plug in lower hole of rear spacer.  
Cam setting #4 or 1 notch.  
Rear spacer set in hole #17.  
**SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.**

**12 oz. PET Pepsi Bottle (4 section bottom) (United States) (In model 440)**

Wide Column Set-Up 1 deep

No shims required.

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

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

Cam setting #1 or 2 notches.

Rear spacer set in hole #10.

Narrow Column Set-Up 1 deep

No shims required.

Cam setting #4 or 1 notch.

Rear spacer set in hole #10.

**20 oz. PET Pepsi “Fast Break” Bottle (Birmingham, AL) (In model 368)**

Wide Column Set-Up 1 deep

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

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

No shims required.

Cam setting #1 or 2 notches.

Rear spacer set in hole #18.

Narrow Column Set-Up 1 deep

Cam setting #4 or 1 notch.

Rear spacer set in hole #18.

SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**490 ml Poland Spring Water Plastic Bottle (In models 368 & 440)**

Wide Column Set-Up 1 deep

2 - 801,804,96x.x1 flat black shim (1 each side)

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

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

Cam setting #1 or 2 notches.

Rear spacer set in hole #15.

Narrow Column Set-Up 1 deep

1 - 801,805,12x.x1 flat grey shim, right

1 - 267,012,30x.x3 rod & spring assembly

1 - 901,902,00x.x1 red tubing

Place one rod with red tubing in hole “A” of rotor.

Cam setting #4 or 1 notch.

Rear spacer set in hole #15.

SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

**16.9 oz PET Zephyrhills Spring Water Bottle (United States) (In model 440)**

Wide Column Set-Up 1 deep

2 - 801,804,96x.x1 flat black shim (1 each side)

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

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

Cam setting #1 or 2 notches.

Rear spacer set in hole #15.

Narrow Column Set-Up 1 deep

1 - 267,012,30x.x3 rod and spring assembly

Place rod in hole “B” of rotor.

Cam setting #4 or 1 notch.

Rear spacer set in hole #15.

SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.