

Technical Bulletin

Bulletin Number: 450 Revision Number: R-16

Release Date: October 15, 1992 Revision Date: February 26, 1998

SUBJECT: MISCELLANEOUS WORLDWIDE CAN 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 cans used Worldwide.

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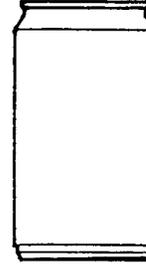
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Package Illustrations



1



2

Package Dimensions

Description	Package Size	Country/ Township	Shape	Height Inches (mm)		Diameter Inches (mm)	
No Brand Name	375 ml	Australia	2	5.15"	(130.8)	2.59"	(65.8)
Pepsi-Cola	375 ml	Australia	2	5.15"	(130.8)	2.59"	(65.8)
Sprite	500 ml	Australia	2	6.63"	(168.4)	2.61"	(66.3)
No Brand Name	300 ml	Bahrain	2	4.19"	(106.4)	2.60"	(66)
No Brand Name	330 ml	Europe	2	4.56"	(115.8)	2.59"	(65.8)
Pepsi-Cola	500 ml	Germany	2	6.65"	(168.9)	2.59"	(65.8)
No Brand Name	25 cl	Italy	1	3.62"	(91.9)	2.60"	(66)
No Brand Name	250 ml	Japan	1	5.24"	(133.4)	2.08"	(52.8)
No Brand Name	250 ml	Jordan	1	5.24"	(133.4)	2.08"	(52.8)
No Brand Name	250 ml	Korea	1	5.24"	(133.4)	2.08"	(52.8)
No Brand Name	340 ml	Mauritius	2	4.64"	(117.9)	2.60"	(66)
No Brand Name	355 ml	Mexico	2	4.84"	(122.9)	2.60"	(66)
No Brand Name	10 oz.	Panama	1	4.84"	(122.9)	2.36"	(59.9)
Fruti Natural	7.1 oz.	Puerto Rico	2	2.96"	(75.2)	2.59"	(65.8)
Malta India	10 oz.	Puerto Rico	1	4.85"	(123.2)	2.37"	(60.2)
No Brand Name	7.6 oz.	Puerto Rico	2	3.43"	(87.1)	2.60"	(66)
No Brand Name	450 ml	South Africa	1	6.00"	(152.4)	2.58"	(65.5)
No Brand Name	25 cl	Spain	1	3.62"	(91.9)	2.60"	(66)
Mr. Brown Coffee	250 gm	Taiwan	2	3.63"	(92.2)	2.59"	(65.8)
No Brand Name	150 ml	United Kingdom	1	3.48"	(88.4)	2.08"	(52.8)
No Brand Name	250 ml	United Kingdom	1	5.24"	(133.4)	2.08"	(52.8)
Arizona Iced Tea	16 oz.	United States	2	6.22"	(158)	2.59"	(65.8)
Coffee	8 oz.	United States	2	3.50"	(88.9)	2.65"	(67.3)
Ghirardelli Coffee Can	7.5 oz.	United States	2	5.06"	(128.5)	2.08"	(52.8)
HI-C	7.7 oz.	United States	1	4.95"	(125.7)	2.08"	(52.8)
Juice Bowl	7.7 oz.	United States	1	5.24"	(133.1)	2.08"	(52.8)
Mistic	11.5 oz.	United States	2	4.85"	(123.2)	2.59"	(65.8)
Mistic	15.5 oz.	United States	2	6.22"	(158)	2.59"	(65.8)
No Brand Name	8.4 oz.	United States	1	4.82"	(122.4)	2.17"	(55.1)
No Brand Name	12 oz.	United States	2	4.84"	(122.9)	2.60"	(66)
No Brand Name (Fluted)	12 oz.	United States	2	4.87"	(123.7)	2.60"	(66)
No Brand Name (Vision Shrink Wrap)	12 oz.	United States	2	4.84"	(122.9)	2.60"	(66)
Shasta	8 oz.	United States	2	3.45"	(87.6)	2.60"	(66)
"202" Can	12 oz.	United States	2	4.84"	(122.9)	2.60"	(66)

1. Where the symbols *, + and @ are used refer to the following:
(Use plastic tubes only where called out.)

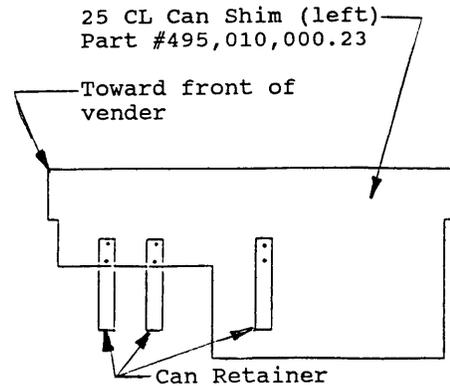
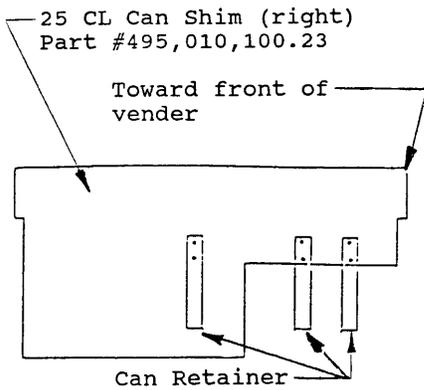
* Where the symbol * appears on the shim chart, place the 10-3/4" long (9/32"ID, 3/8"OD) yellow plastic tube over the rod.

+ 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.

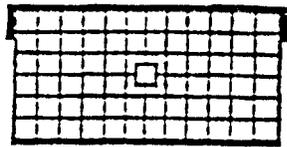
@ Where the symbol @ appears on the shim chart, place the 10-3/4" long (9/32"ID, 17/32"OD) white plastic tube over the rod.

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".

PARTS ILLUSTRATIONS



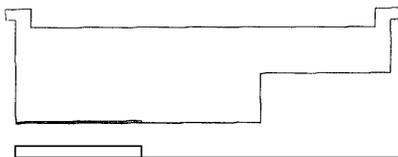
300 ml Can Shim
432,010,89x.x3



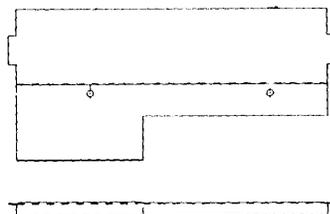
Flat Black Shim
801,804,96x.x1



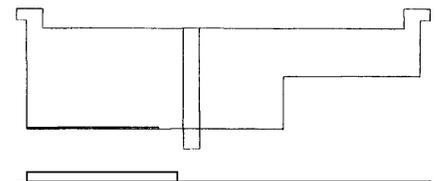
Can Stop Shim
463,010,01x.x3



Can Shim
493,070,03x.x3



Can Stop Shim
270,010,12x.x3



Can Shim
493,070,40x.x3

DNCB 180 & DNCB 300

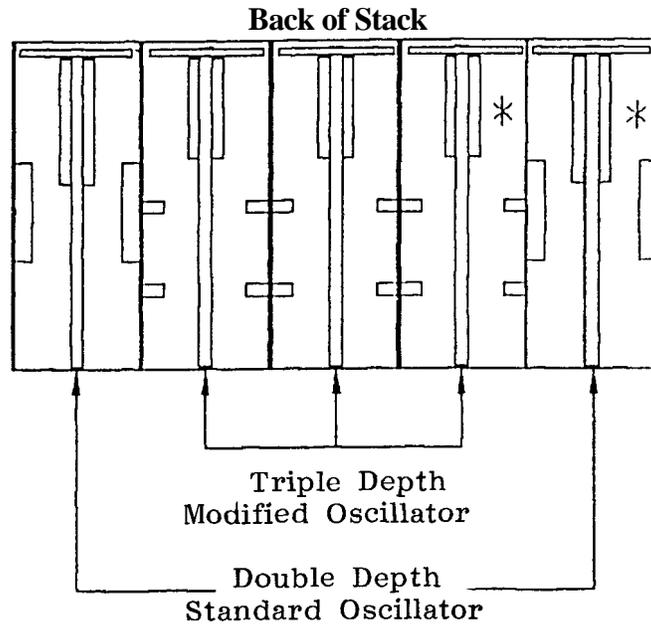


Figure 1

DNCB 360

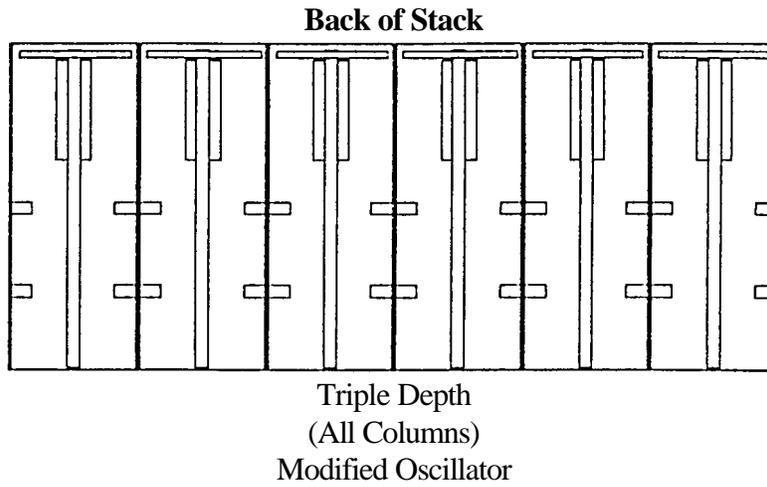


Figure 2

INSTALLATION OF COLUMN WALL KIT OR CAN DIVIDER 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 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 1 & 2 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.

**WIDE
LEFT COLUMN WALL**

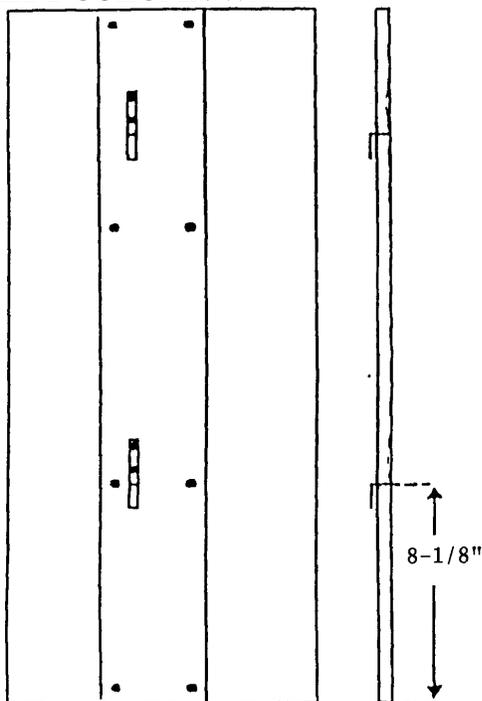


Figure 1

**WIDE
RIGHT COLUMN WALL**

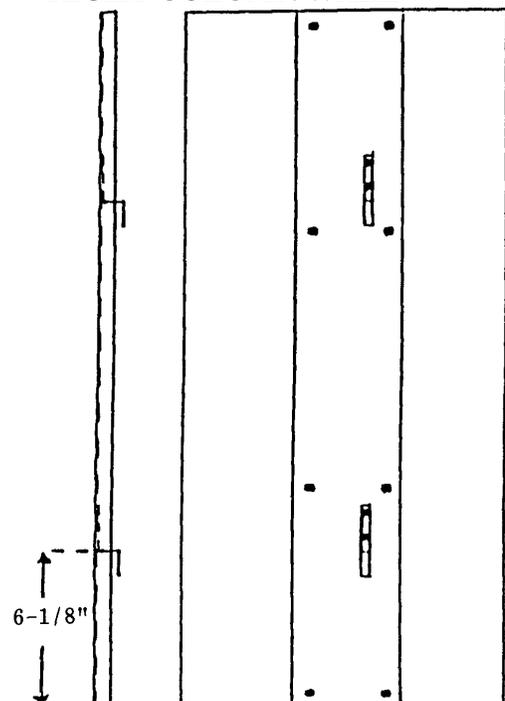


Figure 2

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. Take the narrow column wall kit and locate the "clips" which are welded to the back side of the wall. See figure 1 below.
5. Place the narrow kit wall in the column so the "clips" are towards the right column wall.
6. 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.
7. Press the wall in position and ensure the "clips" are seated in the slots.
8. Set the rear spacer in the proper position.
9. Remove existing sold out paddle.
10. Install new sold out paddle (part #432,070,17x.x3).
11. Set the cams in the proper position.
12. Load the product and test for proper vending.

NARROW RIGHT COLUMN WALL

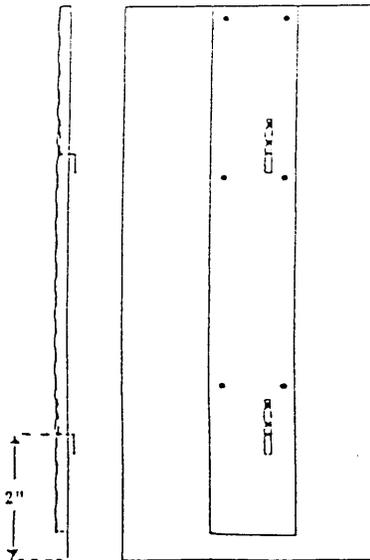
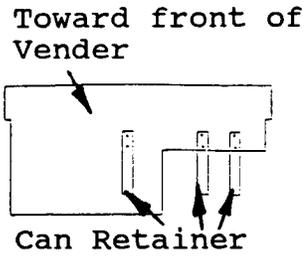


Figure 1

25 CL Can Shim (right)
Part #495,010,10x.x3



25 CL Can Shim (Left)
Part #495,010,00x.x3

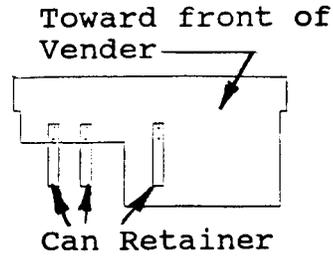


Figure 1

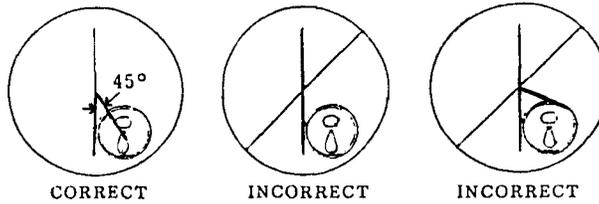


Figure 2

To remove 1/2" from the can retainer:

- A.) Locate the can retainer in the bottom of the rotor.
- B.) Measure 1/2" (12.7 mm) from the end of the retainer and mark. (See figure 3 below.)
- C.) Cut the can retainer at the mark. (See figure 4 below.)
- D.) Ensure all sharp edges are removed with a file or emery cloth.

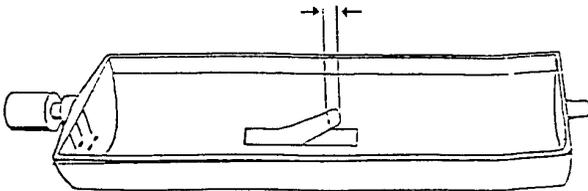


Figure 3

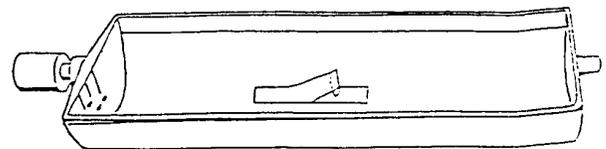


Figure 4

To bend the can retainer:

- A.) Locate the can retainer in the bottom of the rotor.
- B.) Measure 1/2" (12.7 mm) from the end of the retainer and mark. (See figure 3 above.)
- C.) Reverse bend the can retainer at the mark. (See figure 4 above.)
- D.) With a pair of pliers, ensure the bend is pinched together tight.

Use This Chart To "Set-Up" and "Shim" the "Shimless 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 run numbers 3164AO, 3166AO and 3167AO)

CANS

PACKAGE DESCRIPTION & VENDERS APPROVED	COUNTRY ORIGIN	SEE PAGE(S)	LOADING DEPTH	PARTS PER COLUMN	CAM SETTING	CAM(S) REQUIRED	Wide Columns		All Columns		Narrow Columns		OTHER PARTS
							REAR SPACER LOCATION	LOADING DEPTH	PARTS REQUIRED PER COLUMN	ROD IN	ROD IN	CAM SETTING	
375 ml Can and 375 ml Pepsi Can in Models 276, 368, & 440	Australia	2 & B1	2	0	4 notches	blue/gold	Hole 20	2	0	-	-	#3	None
500 ml Sprite Can in Model 276	Australia	2 & B1	1	0	2 notches	blue/gold	Hole 9	1	0	-	-	#4	None
300 ml Can in Models 180, 360, & 440	Bahrain	2, 3, 5, & B1	2	right & left can divider	4 notches	blue/gold	Wide: Hole 22 Narrow: Hole 15	2	can shim right side	-	-	#3	None
330 ml Can in all Shimless Stack Models	Europe	2, B1, & B2	2	0	4 notches	blue/gold	Hole 17	2	0	-	-	#3	None
500 ml Pepsi Can in Models 180, 300, 368, & 440	Germany	2 & B2	1	0	2 notches	blue/gold	Hole 10	1	0	-	-	#4	None
25 cl. Can in Models 180, 300, 360, 368, & 440	Italy & Spain	2, 3, 4, 5, 7, & B2	3	See individual column set-up	See individual column set-up	See individual column set-up	See set-up on Page B2	3	can shim right side	-	-	#1	None
250 ml Can in Models 180, 276, 360, 368 & 440	Japan, Korea, Jordan & U.K.	2, 5, 6, & B3	2	w/a right & left column wall	4 notches	blue/gold	Hole 21	2	w/a right column wall, 1 sold out paddle	A	C@	#3	None
340 ml Can in Models 180, 300, & 440	Mauritus	2 & B9	2	0	4 notches	blue/gold	Hole 18	2	0	-	-	#3	None

PACKAGE DESCRIPTION & VENDERS APPROVED	COUNTRY ORIGIN	SEE PAGE(S)	LOADING DEPTH	PARTS PER COLUMN	CAM SETTING	CAM(S) REQUIRED	REAR SPACER LOCATION	LOADING DEPTH	PARTS REQUIRED PER COLUMN	ROD IN	ROD IN	CAM SETTING	OTHER PARTS
355 ml Can in Models 180, 276, & 440	Mexico	2 & B3	2	0	4 notches	blue/gold	Hole 19	2	0	-	-	#3	None
10 oz. Can in Models 360 & 368	Panama	2, 3, & B3	2	4 flat black shims	4 notches	blue/gold	Hole 18	2	1 can stop shim, right	-	-	#3	None
7.1 oz. Fruti Natural Can in Models 180, 300 & 440	Puerto Rico	2, 5, & B4	2	right & left can dividers	4 notches	blue/gold	Hole 19	0	DO NOT VEND	-	-	-	None
10 oz. Malta Can in Models 360, 414, 440	Puerto Rico	2, 3, & B4	2	6 flat black shims	4 notches	blue/gold	Hole 18	2	1 can stop shim, right	-	-	#3	None
7.6 oz. (225 ml) Can in Models 180 & 300	Puerto Rico	2, 3, 4, 5, 7, & B4	2 & 3	See individual column set-up	4 notches & 6 notches	blue/gold & green gold	See set-up On Page B4	NA	NA	NA	NA	NA	None
7.6 oz. (225 ml) Can in Model 360	Puerto Rico	2, 5, & B4	3	See individual column set-up	6 notches	blue/gold	Hole 21	NA	NA	NA	NA	NA	None
450 ml Can in Model 440	South Africa	2 & B5	1	0	2 notches	blue/gold	Hole 8	1	0	-	-	#4	None
250 GM Mr Coffee Can in Model 276	Taiwan	2, 4, 5, & B5	2 & 3	see individual column set-up	-	-	Wide: Hole 23 Narrow: Hole 21	2	w/a can shim right	-	-	#3	None
150 ml Can in Model 276	U.K.	2, 3, 4, 5, 6, B5, & B6	3	Oscillator, w/a wall left & right, 25 cl Can shim left & right	6 notches	green/gold	Hole 20	3	sold out paddle, w/a wall right	A@	-	#1	None

PACKAGE DESCRIPTION & VENDERS APPROVED	COUNTRY ORIGIN	SEE PAGE(S)	LOADING DEPTH	PARTS PER COLUMN	CAM SETTING	CAM(S) REQUIRED	REAR SPACER LOCATION	LOADING DEPTH	PARTS REQUIRED PER COLUMN	ROD IN	ROD IN	CAM SETTING	OTHER PARTS
16 oz. Arizona Iced Tea Can in models 276 & 368	United States	2 & B6	1	0	2 notches	blue/gold	Hole 9	1	0	-	-	#4	None
8 oz. Coffee Can in Models 276 & 368	United States	2, 3, 4, 5, 7, & B6	2 & 3	see individual column set-up	-	-	Wide: Hole 22 Narrow: Hole 12	2	25 cl can shim	-	-	#2	None
7.5 oz. Ghirardelli Coffee Can in Model 440	United States	2, 3, 5, 6, & B7	2	w/a right & left column wall	4 notches	blue/gold	Hole 21	2	w/a right column wall, 300 ml can shim, 1 sold-out paddle	A+	C@	#3	None
7.7 oz. "HI-C" Can in Models 180, 276, & 440	United States	2, 5, 6, & B7	2	w/a right & left column wall	4 notches	blue/gold	Hole 21	2	w/a right column wall, 1 sold-out paddle	A@	C@	#3	None
7.7 ounce Juice Bowl Can in Models 180, 360 & 368	United States	2, 5, 6, B7 & B8	2	w/a right & left column wall	4 notches	blue/gold	Hole 21	2	w/a right column wall, 1 sold-out paddle	A	C@	#3	None
11.5 Mystic Can in Model 368	United States	2 & B8	2	0	2 notches	blue/gold	Hole 19	2	0	-	-	#1	None
15.5 oz. Mystic Can in Model 440	United States	2 & B1	1	0	2 notches	blue/gold	Hole 9	1	0	-	-	#4	None
8.4 oz. Can in Models 180, 276, 368, & 440	United States	2, 5, 6, & B8	2	w/a right & left column wall	4 notches	blue/gold	Hole 21	2	w/a right column wall, 1 sold-out paddle	A@	C@	#3	None

PACKAGE DESCRIPTION & VENDERS APPROVED	COUNTRY ORIGIN	SEE PAGE(S)	LOADING DEPTH	PARTS PER COLUMN	CAM SETTING	CAM(S) REQUIRED	REAR SPACER LOCATION	LOADING DEPTH	PARTS REQUIRED PER COLUMN	ROD IN	ROD IN	CAM SETTING	OTHER PARTS
12 oz. Can, 12 oz. "202" Can, 12 oz. "Fluted" Can, 12 oz. "Vision Shrink Wrap" Can in Shimless Stack Models	United States	2 & B9	2	0	4 notches	blue/gold	Hole 19	2	0	-	-	#3	None
8 oz. Shasta Can in Models 180 & 300	United States	2, 3, 4, 5, 7, & B4	2 & 3	See individual column set- up	4 notches & 6 notches	blue/gold & green/gold	Hole 22	NA	NA	NA	NA	NA	None
8 oz. Shasta Can in Model 360	United States	2, 3, 4, 5, 7, & B4	3	See individual column set- up	6 notches	green/gold	Hole 22	NA	NA	NA	NA	NA	None

INDIVIDUAL COLUMN SET-UP & SHIMMING

375 ml CAN (Australia) (In models 276, 368, & 440)

375 ml PEPSI CAN (Australia) (In models 276, 368, & 440)

Wide Column Set-Up 2 deep

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

No shims required.

Cam setting #2 or 4 notches.

Rear spacer set in hole #20.

Narrow Column Set-Up 2 deep

No shims required.

Cam setting #3 or 2 notches.

Rear spacer set in hole #20.

500 ml SPRITE CAN (Australia) (In model 276)

15.5 oz. MISTIC CAN (United States) (In model 440)

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 #9.

Narrow Column Set-Up 1 deep

No shims required.

Cam setting #4 or 1 notch.

Rear spacer in hole #9.

SET DISCHARGE MEMBER AND CLOSURE STRIP FOR BOTTLES.

300 ml CAN (Bahrain) (In models 180, 360, 368, & 440)

Wide Column Set-Up 2 deep

- 1 - 432,014,00x.x3 440 can divider, 79" left
- 1 - 432,014,10x.x3 440 can divider, 79" right
- 1 - 290,010,80x.x3 360 can divider, 72" left
- 1 - 290,010,70x.x3 360 can divider, 72" right
- 1 - 275,011,30x.x3 180 can divider, 56" left
- 1 - 275,011,40x.x3 180 can divider, 56" right
- 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 #22.

Narrow Column Set-Up 2 deep

- 1 - 432,010,89x.x3 can shim, right

Cam setting #3 or 2 notches.

Rear spacer set in hole #15.

330 ml CAN (Europe) (In all shimless stack models)

Wide Column Set-Up 2 deep

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

No shims required.

Cam setting #2 or 4 notches.

Rear spacer set in hole #17.

330 ml CAN (Europe) (In all shimless stack models)

Continued

Narrow Column Set-Up 2 deep.
No shims required.
Cam setting #3 or 2 notches.
Rear spacer set in hole #17.

500 ml PEPSI CAN (Germany) (In models 180, 300, 368, & 440)

Wide Column Set-Up of models 180, 300, 368, & 440: 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 #10.
Remove can retainer (triangle) from oscillator.

Narrow Column Set-Up of models 180, 300, 368, & 440: 1 deep
No shims required.
Cam setting #4 or 1 notch.
Rear spacer set in hole #10.

25 cl CAN (Spain) (In models 180, 276, 300, 360, & 368)

25 cl CAN (Italy) (In models 180, 276, 300, 360, 368 & 440)

Wide Column Set-Up for Columns 1 & 5 in models 180 and 300; 1 & 3 in model 276; 1 & 4 in models 368 & 440: 2 deep
1 - 432,017,00x.x3 440 can divider left
1 - 432,017,10x.x3 440 can divider right
1 - 448,010,10x.x4 276/368 can divider kit
Includes: 1 - 290,010,50x.x3 300/368/276 can divider right
1 - 290,010,60x.x3 300/368/276 can divider left
1 - 275,011,10x.x3 180 can divider left
1 - 276,011,20x.x3 180 can divider right
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.

Wide Column Set-Up for Columns 2, 3, & 4 in models 180 and 300; 2 in model 276; 1,2,3,4,5,& 6 in model 360;
2 & 3 in models 368 & 440: 3 deep
1 - 801,201,26x.x1 oscillator, long (See page 5.)
1 - 801,806,41x.x1 vending cam, green
1 - 801,806,40x.x1 adjustable cam, gold
1 - 495,010,00x.x3 25 cl can shim left
1 - 495,010,10x.x3 25 cl can shim right
Bend can retainer at 45⁰ angle. (See page 8.)
Cam setting #2 or 6 notches.
Rear spacer set in hole #21.
Remove can retainer (triangle) from oscillator.

Narrow Column Set-Up 3 deep
1 - 493,070,40x.x3 25 cl can shim
Bend can retainer at 45⁰ angle. (See page 8.)
Cut 1/2" off the can retainer tab that is in the rotor. (See page 8.)
Cam setting #1 or 3 notches.
Rear spacer set in hole #21.

250 ml CAN (Japan, Korea, Jordan, and United Kingdom) (In models 180, 276, 360, 368, & 440)

Wide Column Set-Up 2 deep

1 - 267,015,30x.x3 440 w/a wall left
1 - 267,015,40x.x3 440 w/a wall right
1 - 267,015,10x.x3 276, 360 & 368 w/a wall left
1 - 267,015,20x.x3 276, 360 & 368 w/a wall right
1 - 445,011,20x.x3 180 w/a wall left
1 - 445,011,30x.x3 180 w/a wall right
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 #21.

Narrow Column Set-Up 2 deep

1 - 267,015,90x.x3 440 w/a wall right
1 - 267,015,80x.x3 276 & 368 w/a wall right
1 - 432,070,17x.x3 sold out paddle
2 - 267,012,30x.x3 rod and spring assembly
1 - 901,901,90x.x1 white tubing

Place one rod in hole A of rotor.

Place one rod with white tube in hole C of rotor.

Cam setting #3 or 2 notches.

Rear spacer set in hole #21.

355 ml CAN (Mexico) (In models 180, 276, & 440)

Wide Column Set-Up 2 deep

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

No shims required.

Cam setting #2 or 4 notches.

Rear spacer set in hole #18 for 340 ml can.

Rear spacer set in hole #19 for all 12 oz cans and 355 ml can.

Narrow Column Set-Up 2 deep

No shims required.

Cam setting #3 or 2 notches. Exception: Models 348 and 414 vending 12 oz. cans.

Rear spacer set in hole #18 for 340 ml can.

Rear spacer set in hole #19 for all 12 oz cans and 355 ml cans.

10 oz. CAN (Panama) (In models 360 & 368)

Wide Column Set-Up 2 deep

4 - 801,804,96x.x1 flat black shim (2 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 #18.

Narrow Column Set-Up 2 deep

1 - 270,010,12x.x3 can stop shim, right

Cam setting #3 or 2 notches.

Rear spacer set in hole #18.

7.1 oz FRUTI NATURAL CAN (Puerto Rico) (In models 180, 300, & 440)

Wide Column Set-Up 2 deep

1 - 432,017,00x.x3 440 can divider left
1 - 432,017,10x.x3 440 can divider right
1 - 448,010,10x.x4 300 can dividers left and right
1 - 275,011,10x.x3 180 can divider left
1 - 275,011,20x.x3 180 can divider right
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 #19.

Narrow Column Set-Up

DO NOT VEND IN NARROW COLUMNS

10 oz. MALTA CAN (Puerto Rico) (In models 360, 414, & 440)

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 #18.

Narrow Column Set-Up 2 deep

1 - 463,010,01x.x3 can stop shim, right
Cam setting #3 or 2 notches.
Rear spacer set in hole #18.

7.6 oz (255 ml) CAN (Puerto Rico) (In models 180, 300, & 360)

8 oz SHASTA CAN (United States) (In models 180, 300, & 360)

Wide Column Set-Up for columns 1 and 5 of Models 180 & 300: 2 deep

1 - 275,011,10x.x3 180 can divider left
1 - 275,011,20x.x3 180 can divider right
1 - 448,010,10x.x4 300 can dividers left & right
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 for 7.6 oz can.
Rear spacer set in hole #21 for 8 oz can.

Wide Column Set-Up for columns 2, 3 & 4 of Models 180 & 300, and all columns of Model 360: 3 deep

1 - 801,201,26x.x1 oscillator, long (See pg. 5.)
1 - 801,806,41x.x1 vending cam, green
1 - 801,806,40x.x1 adjustable cam, gold
1 - 495,010,00x.x3 25 cl can shim, left
1 - 495,010,10x.x3 25 cl can shim, right
Bend can retainer spring on shim at 45° angle.
Cam setting #2 or 6 notches.
Rear spacer set in hole #21 for 7.6 oz can.
Rear spacer set in hole #22 for 8 oz. can.

Narrow Column Set-Up

Not applicable.

450 ml CAN (South Africa) (In model 440)

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 #8.

Narrow Column Set-Up 1 deep

- No shims required.
- Cam setting #4 or 1 notch.
- Rear spacer set in hole #8.

250 GM MR. COFFEE CAN (Taiwan) (In model 276)

Wide Column Set-Up for columns 1 and 3: 2 deep

- 1 - 448,010,10x.x4 can divider kit
- Includes: 290,010,50x.x3 can divider right
- 290,010,60x.x3 can divider left
- 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.

Wide Column Set-Up for column 2: 3 deep

- 1 - 801,201,26x.x1 oscillator, long (See page 5.)
- 1 - 801,806,41x.x1 vending cam, green
- 1 - 801,806,40x.x1 adjustable cam, gold
- 1 - 495,010,00x.x3 25 cl can shim, left
- 1 - 495,010,10x.x3 25 cl can shim, right
- Bend can retainer at 45⁰ angle. (See page 8.)
- Cam setting #2 or 6 notches.
- Rear spacer set in hole #21.
- Remove can retainer (triangle) from oscillator.

Narrow Column Set-Up 3 deep

- 1 - 493,070,40x.x3 w/a 25 cl can shim, right
- Bend can retainer at 45⁰ angle. (See page 8.)
- Bend the front can retainer in the rotor down 180⁰, 1/2" from its end.
- Cam setting #1 or 3 notches.
- Rear spacer set in hole #21.

150 ml CAN (United Kingdom) (In model 276)

Wide Column Set-Up 3 deep

- 1 - 801,201,26x.x1 oscillator, long (See page 5.)
- 1 - 801,806,41x.x1 vending cam, green
- 1 - 801,806,40x.x1 adjustable cam, gold
- 1 - 267,016,30x.x3 w/a wall, left
- 1 - 267,016,40x.x3 w/a wall, right
- 1 - 495,010,00x.x3 25 cl can shim, left**
- 1 - 495,010,10x.x3 25 cl can shim, right**
- Install column walls. (See instructions.)
- ** Install 25 cl shims in front of walls.
- Cam setting #2 or 6 notches.
- Rear spacer set in hole #20.

150 ml CAN (United Kingdom) (In model 276)

Narrow Column Set-Up 3 deep

- 1 - 443,070,17x.x3 sold out paddle
- 1 - 267,016,20x.x3 w/a wall, right
- 1 - 267,012,30x.x3 rod & spring assy.
- 1 - 901,901,90x.x1 white tubing
- 1 - 901,902,32x.x1 white tubing, short

Place long and short white tubing on rod in hole "A" of the rotor.

Install the new sold out paddle.

Install column wall. (See instructions.)

Cam setting #1 or 3 notches.

Rear spacer set in hole #20.

16 oz. CAN "ARIZONA ICED TEA" (United States) (In models 276 & 368)

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 #9.

Narrow Column Set-Up 1 deep

No shims required.

Cam setting #4 or 1 notch

Rear spacer set in hole #9.

8 oz. CAN COFFEE (United States) (In models 276 & 368)

Wide Column Set-Up for columns 1 and 3 in 276; 1 & 4 in 368: 2 deep

- 1 - 448,010,10x.x4 can divider kit
- Includes: 290,010,50x.x3 can divider right
- 290,010,60x.x3 can divider left
- 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 #22.

Wide Column Set-Up for column 2 in 276; 2 & 3 in 368: 3 deep

- 1 - 801,201,26x.x1 oscillator, long (See pg. 5)
- 1 - 801,806,41x.x1 vending cam, green
- 1 - 495,010,00x.x3 25 cl can shim, left
- 1 - 495,010,10x.x3 25 cl can shim, right

Bend can retainer at 45⁰ angle. (See page 8.)

Cam setting #2 or 6 notches.

Rear spacer set in hole #22.

Remove can retainer (triangle) from oscillator.

Narrow Column Set-Up 2 deep

- 1 - 493,070,03x.x3 25 cl can shim right

Cut ½" off of the can retainer tab that is in the rotor. (See page 8.)

Cam setting #3 or 2 notches.

Rear spacer set in hole #12.

7.5 oz. GHIRARDELLI COFFEE CAN (United States) (In model 440)

Wide Column Set-Up 2 deep

1 - 267,015,30x.x3 440 w/a wall left
1 - 267,015,40x.x3 440 w/a wall right
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 #21.

Narrow Column Set-Up 2 deep

1 - 267,015,90x.x3 440 w/a wall right
1 - 432,010,89x.x3 300 ml can shim, left
2 - 267,012,30x.x3 rod & spring assy.
1 - 901,901,90x.x1 white tubing
1 - 901,902,00x.x1 red tubing
1 - 432,070,17x.x3 sold out paddle, narrow
Place one rod with white tube in hole "C" of rotor.
Place one rod with red tube in hole "A" of rotor.
Cam setting #3 or 2 notches.

7.7 oz. "HI-C" CAN (United States) (In models 180, 276, & 440)

Wide Column Set-Up 2 deep

1 - 267,015,30x.x3 440 w/a wall left
1 - 267,015,40x.x3 440 w/a wall right
1 - 267,015,10x.x3 276 w/a wall left
1 - 267,015,20x.x3 276 w/a wall right
1 - 445,011,20x.x3 180 w/a wall left
1 - 445,011,30x.x3 180 w/a wall right
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 #21.

Narrow Column Set- Up 2 deep

1 - 276,015,90x.x3 440 w/a wall right
1 - 276,015,80x.x3 276 w/a wall right
2 - 267,012,30x.x3 rod & spring assembly
2 - 901,901,90x.x1 white tubing
1 - 432,070,17x.x3 sold-out paddle, narrow
Place one rod with white tube in hole "A" of rotor.
Place one rod with white tube in hole "C" of rotor.
Cam setting #3 or 2 notches.
Rear spacer set in hole #21.

7.7 oz. "JUICE BOWL" CAN (United States) (In models 180, 360, & 368)

Wide Column Set-Up 2 deep

1 - 267,015,10x.x3 360 & 368 w/a wall left
1 - 267,051,20x.x3 360 & 368 w/a wall right
1 - 445,011,20x.x3 180 w/a wall left
1 - 445,011,30x.x3 180 w/a wall right
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 #21.

7.7 oz. “JUICE BOWL” CAN (United States) (In models 180, 360, & 368)

Continued

Narrow Column Set-Up 2 deep

- 1 - 267,015,80x.x3 368 w/a wall right
 - 2 - 267,012,30x.x3 rod & spring assembly
 - 1 - 901,901,90x.x1 white tubing
 - 1 - 432,070,17x.x3 sold-out paddle, narrow
- Place one rod with white tube in hole “C” of rotor.
Place one rod in hole “A” of rotor.
Cam setting #3 or 2 notches.
Rear spacers set in hole #21.

11.5 oz. MISTIC CAN (United States) (In model 368)

Wide Column Set-Up 2 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 #19.

Narrow Column Set-Up 2 deep

- No shims required.
- Cam setting #1 or 2 notches.
- Rear spacer set in hole #19.

8.4 oz. CAN (United States) (In models 180, 276, 368, & 440)

Wide Column Set-Up 2 deep

- 1 - 267,015,30x.x3 440 w/a wall left
 - 1 - 267,015,40x.x3 440 w/a wall right
 - 1 - 267,015,10x.x3 276, 360 & 368 w/a wall left
 - 1 - 267,015,20x.x3 276, 360 & 368 w/a wall right
 - 1 - 445,011,20x.x3 180 w/a wall left
 - 1 - 445,011,30x.x3 180 w/a wall right
 - 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 #21.

Narrow Column Set-Up 2 deep

- 1 - 267,015,90x.x3 440 w/a wall right
 - 1 - 267,015,80x.x3 276 & 368 w/a wall right
 - 1 - 432,070,17x.x3 sold out paddle
 - 2 - 267,012,30x.x3 rod and spring assembly
 - 2 - 901,901,90x.x1 white tubing
- Place one rod with white tube in hole A of rotor.
Place one rod with white tube in hole C of rotor.
Cam setting #3 or 2 notches.
Rear spacer set in hole #21.

12 oz CAN (United States) (In all shimless stack models)

12 oz "202" CAN (United States) (In all shimless stack models)

12 oz "FLUTED" CAN (United States) (In all shimless stack models)

12 oz "VISION SHRINK WRAP" CAN (United States) (In all shimless stack models)

340 ml CAN (Mauritius) (In all shimless stack models)

355 ml CAN (Mexico) (In models 180, 276, & 440)

Wide Column Set-Up 2 deep

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

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

No shims required.

Cam setting #2 or 4 notches.

Rear spacer set in hole #18 for 340 ml can.

Rear spacer set in hole #19 for all 12 oz. cans and 355 ml can.

Narrow Column Set-Up

No shims required.

Cam setting #3 or 2 notches. Exception: Models 348 & 414.

Rear spacer set in hole #18 for 340 ml can.

Rear spacer set in hole #19 for all 12 oz. cans and 355 ml cans.