

# CONVERSION INSTRUCTIONS

## BAJA FRESH MODEL ED 150BCH CARB TO NONCARB VALVE #6 SWITCH-OVER KIT P/N 629088312

Table 1: Parts List

Item No.	Part Number	Description	Qty.
1	29317	Manifold 1V	2
2	620407703	Manifold 2V	1
3	620607435	Beverage Tubing 1/4	36 in.
4	620607436	Beverage Tubing 3/8	12 in.
5	50249	Insulation Tubing	48 in.
6	50126	Insulation Presstite	30 in.
7	50326	Insulation Tape	30 in.
8	77062100	Fitting Barb Tee 3/8 X 1/4 (2)	1
9	77040700	Fitting Barb Splicer 3/8 X 1/4	1
10	311908000	O-clamp 1/4	10
11	309853000	O-clamp 3/8	5
12	629088312INS	Installation Instructions	1

The following procedure is to convert beverage valve # 6 to non-carbonated on Baja Fresh units, part numbers 621055516 and 621055522, manufactured prior to the incorporation of the Total Flex system of carb / noncarb manifold blocks:



**WARNING:**

Disconnect power to the unit before servicing. Follow all lock out/tag out procedures established by the user. Verify all power is off to the unit before performing any work.

**Failure to comply could result in serious injury, death or damage to the equipment.**



**WARNING:**

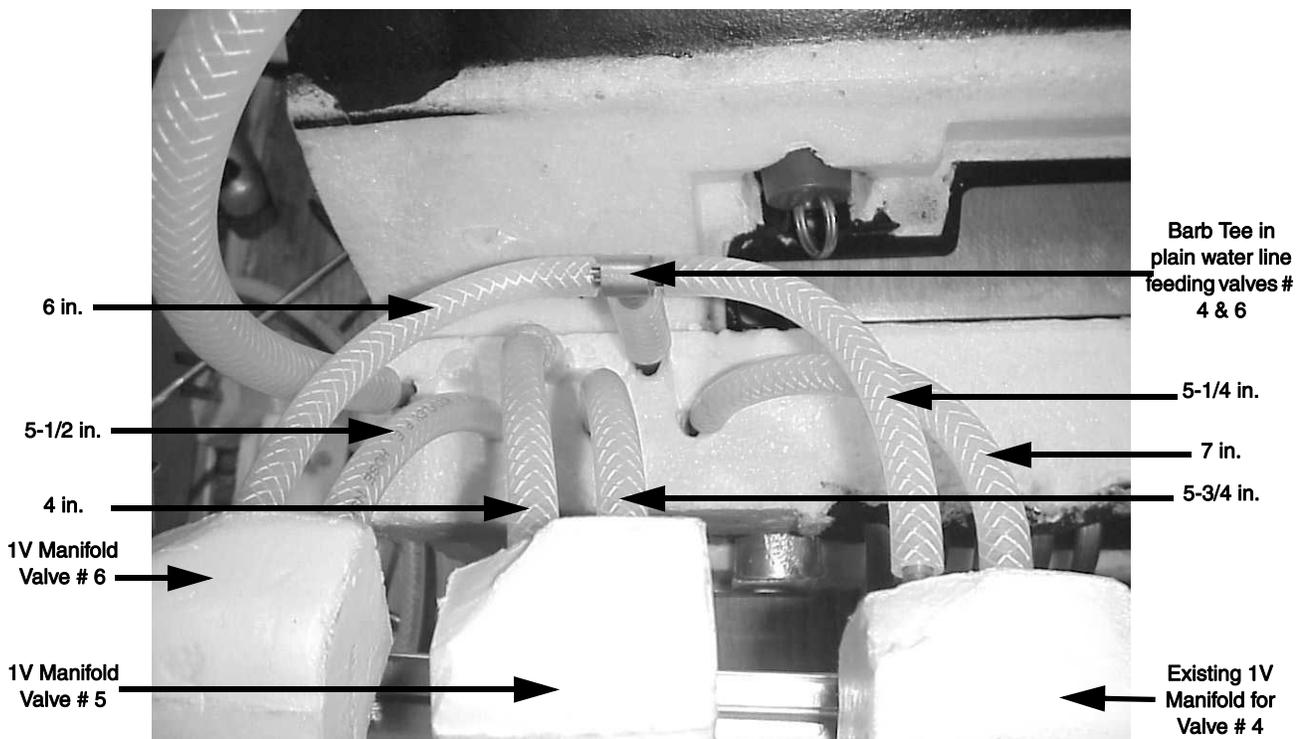
Water and CO<sub>2</sub> to the system must be turned off and the system depressurized prior to performing this service.

**Failure to comply could result in serious injury, death or damage to the equipment.**

1. Remove the merchandiser by lifting up on the sides to disengage the mounting “hooks” from the cabinet slots and rotating forward.
2. Remove the ice chute cover (snap fit) and the ice chute from the ice storage hopper (4 nuts).
3. Remove the lower front panel (2 screws) from the dispenser cabinet.
4. Lower the beverage valve mounting panel by removing (6) screws that secure it to the cabinet. It will be necessary to access the rear of the panel in order to change the manifolds on the left bank of valves. The flexibility of the water and syrup lines feeding the manifolds will allow the panel to be bent downward to provide working space.
5. Refer to Figure 1 and Figure 2 (621055516) or Figure 3 and Figure 4 (621055522) for the new manifold configuration required to switch valve # 6 (far left hand valve as viewed from the front of the unit) to noncarb.
6. Remove the valves affected by this switch-over (#5 & #6 for 621055516 or #4, #5, #6 for 621055522) from the mounting blocks. Remove the mounting blocks (4 screws) from the beverage panel.
7. Remove the insulation at the rear of the manifold(s) to expose the water and syrup line connections. Cut these lines. The old manifolds can now be removed and discarded. Disconnect these water and syrup lines at the coldplate outlet fittings and discard these lines. It will be necessary to “re-plumb” the new manifolds to the coldplate because the length of these product lines is critical to reassembling the completed beverage panel assembly to the cabinet. If the line lengths are too short or too long, then leaks can develop due

to the resulting stress on the manifold fittings at the valve mounting blocks when the beverage panel is mounted to the cabinet.

8. Refer to the appropriate figure and cut the tubing lengths required to connect the new manifold configuration. Insulate the water and syrup lines and connect to the cold plate outlets. Finish connecting the tubing to the manifolds. Assemble the manifold beverage valve fittings to the beverage panel mounting holes. There is a slot in the manifold valve fittings (behind the o-rings) which secures the fittings to the beverage panel cut-out. Secure the mounting blocks (4 screws) to the beverage panel.
9. Finish insulating the product lines and both coldplate and manifold fitting areas with presstite and insulation tape. It is important to completely insulate all areas of the product line connections to prevent condensation.
10. Re-assemble the beverage panel to the cabinet and the valves to the mounting blocks. Turn on water and CO<sub>2</sub> supplies to the dispenser. Connect electrical power to the dispenser and the carbonator pump & motor unit. Energize each beverage valve to bleed air from the system. Check for leaks and repair as needed.
11. Replace the lower front panel, ice chute, and merchandiser. The unit is now ready for operation.



**Figure 1. 621055516 Top View of Manifold Inlets (looking down at the rear of the beverage panel – left side) with Insulation Removed.**

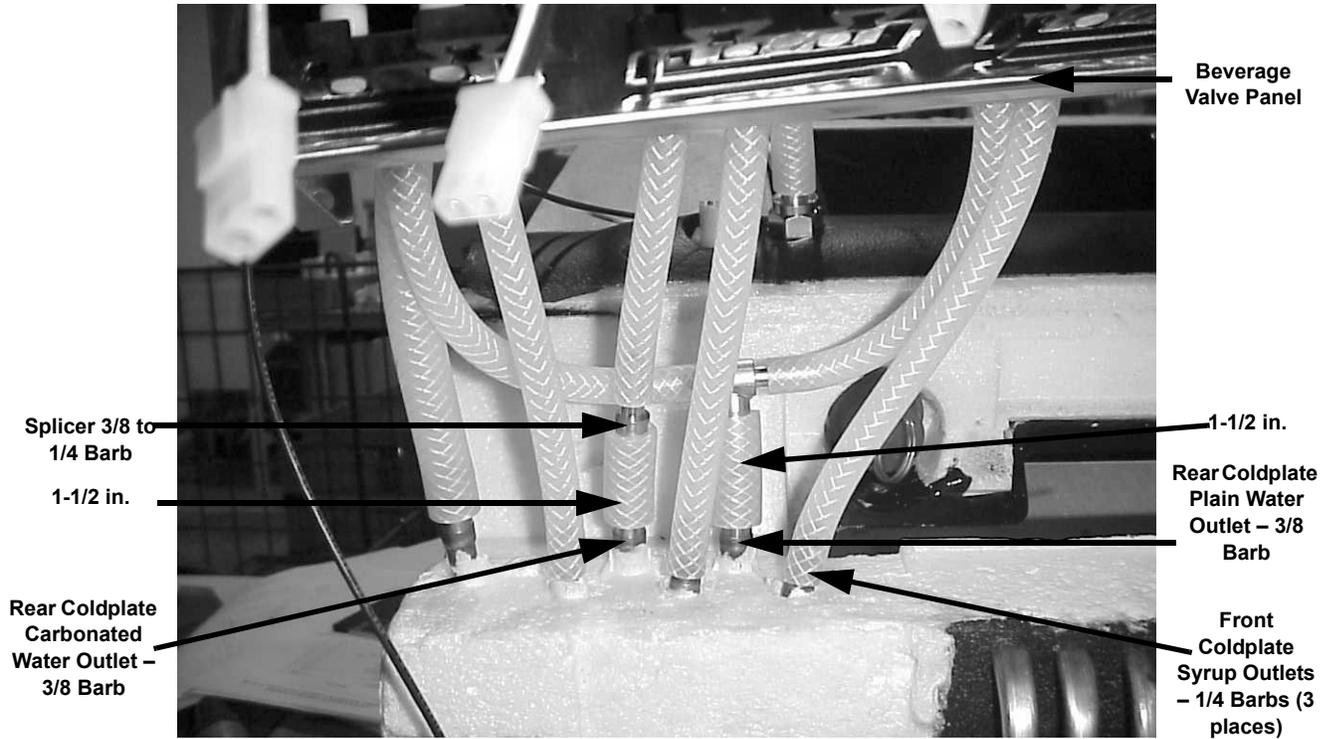


Figure 2. 621055516 Front View of Coldplate Outlets

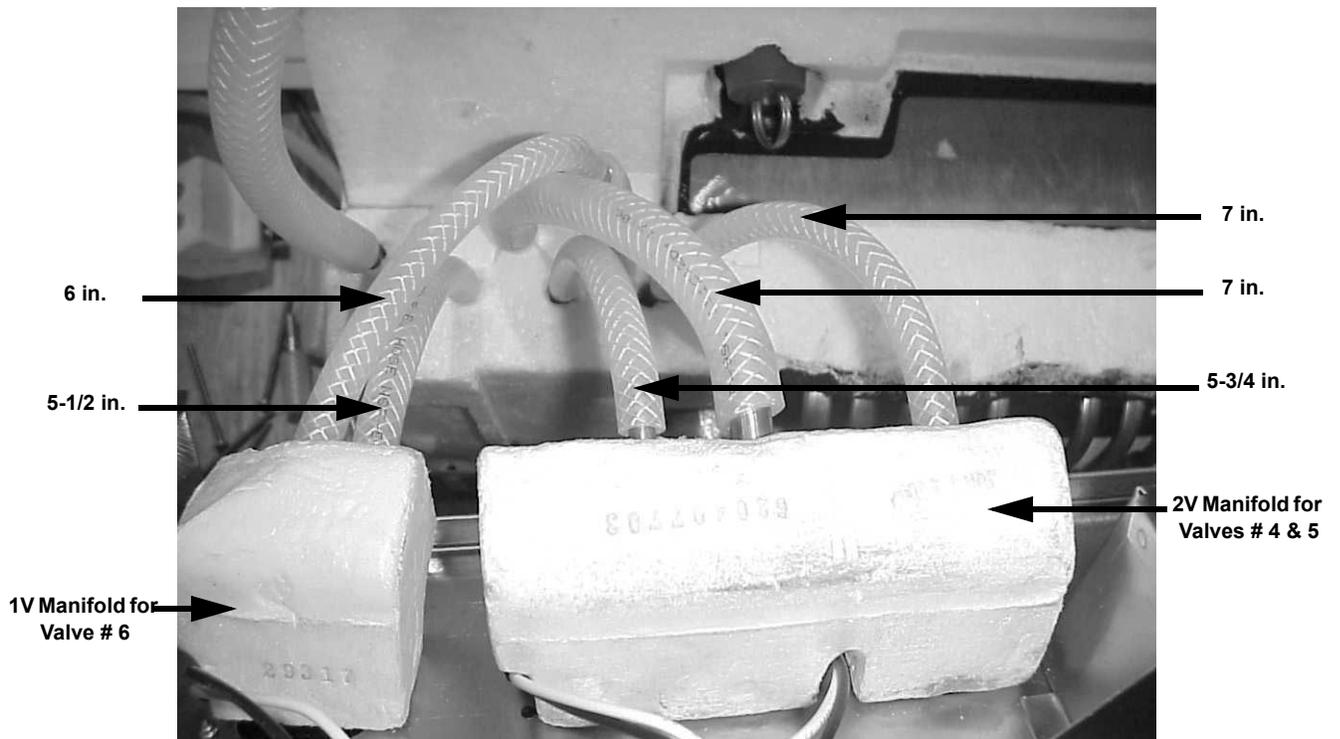


Figure 3. 621055522 Top View of Manifold inlets (looking down at the rear of the beverage panel- left side)

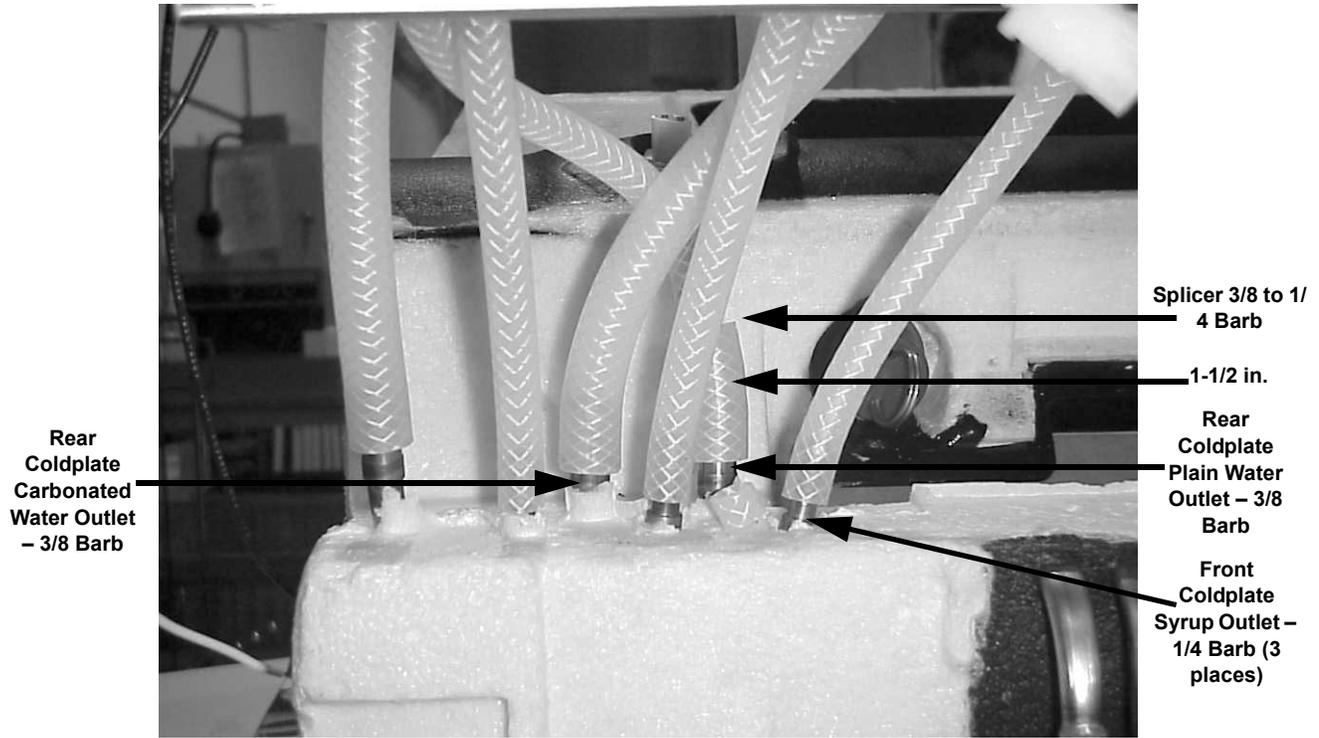


Figure 4. 62105522 Front View of Coldplate Outlets