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TITAN 2425 WASH WATER MANIFOLD ADJUSTMENT

1. Requirements for Optimum Washing

- a. Nozzle spray diverges outward as a fan as it leaves the nozzle tip. Therefore, the longer distance the spray travels, the more vertical coverage of the basket wall. The more overlap of the individual sprays, the better wash distribution and less chance to miss vertical coverage of the sugar wall.
- b. The six nozzles should be aligned with the spray slots vertical for proper distribution and vertical coverage.
- c. A constant water pressure at the nozzles, while delivering water, should be 50 to 60 PSIG.
- d. The vertical spray coverage must include spraying under the outer rim of the basket cap and also spraying the basket bottom to slightly undercut the sugar wall top and bottom. This assures good sugar quality top and bottom.

2. Initial Adjustment

The initial adjustment provides a good starting point for adjusting the wash manifold. Due to build tolerances, this may not be the final optimum position.

a. Horizontal Adjustment

As shown in the figure below, the manifold should be rotated so that the face of the nozzles is 19" from the basket cap.

b. Vertical Adjustment

The distance from the bottom of the nozzle manifold to the bottom of the basket should be set to 28".



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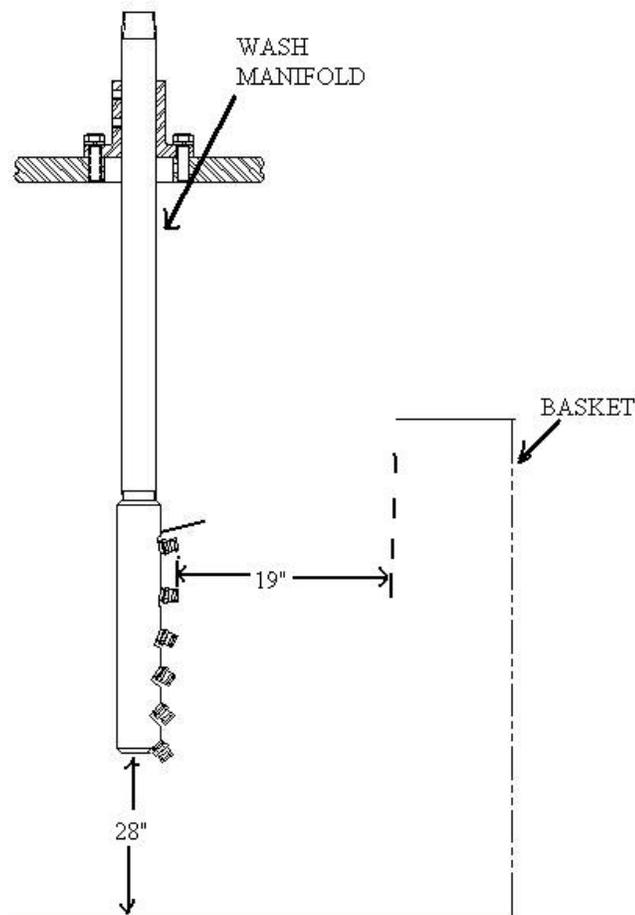
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3. Final Adjustment

A final nozzle adjustment is normally required to obtain the optimum result of a smooth sugar wall and good sugar quality.

- a. With an empty basket, manually spray wash water while jogging the machine. Visually verify that the water spray is touching the edge of the basket cap and is hitting the basket bottom as required. Readjust the wash manifold as necessary.
- b. The small tab above the top nozzle may need to be bent up slightly to allow the basket cap edge to be sprayed adequately.
- c. Raising or lowering the manifold will raise and lower the spray fan in relation to the sugar wall. The total height of the spray fan will not change



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- d. Rotating the manifold assembly will change the size of the spray fan in relation to the sugar wall. Rotate the manifold so the nozzles are closer to the basket cap to decrease the height of the spray fan.
- e. Using normal wash times run a cycle at full load. Stop the machine before discharge.
- f. Discharge the basket in manual mode and observe the sugar along the basket height.
- g. Readjust nozzles and/or wash times as required.
- h. Repeat until optimum washing is achieved.