

Aligning CBW Module Baskets

APPLIES TO: 76032 CBW

A misalignment may exhibit itself in several different ways, the worst of which is baskets rubbing on the shell. The cause of the problem is support rollers that have been replaced with no regard for the alignment of the roller to the shell.

ALIGNING BASKETS ON 76032 CBW's

This procedure would ideally never be required if support rollers are replaced properly. The baskets are aligned at the Milnor factory when the machine is assembled. The position of the support roller bracketry should remain in the exact same position through the life of the CBW.

This procedure assumes that the CBW frame is aligned from end to end. Each module opening should be at the same elevation from the wire. If not, the frame must be aligned first.

1. Setting alignment wire:

Locate the center of the CBW and mount a piece of steel wire pulled tight above the machine from Module 1 to the last module of the machine. The wire must be the same height above the frame on both ends. It must be possible to measure from the wire to a point on both inlet and discharge sides of the module 1 basket, as well as the same point on the basket of the discharge end of all other modules.

2. Lifting the baskets and checking adjustment of Module 1:

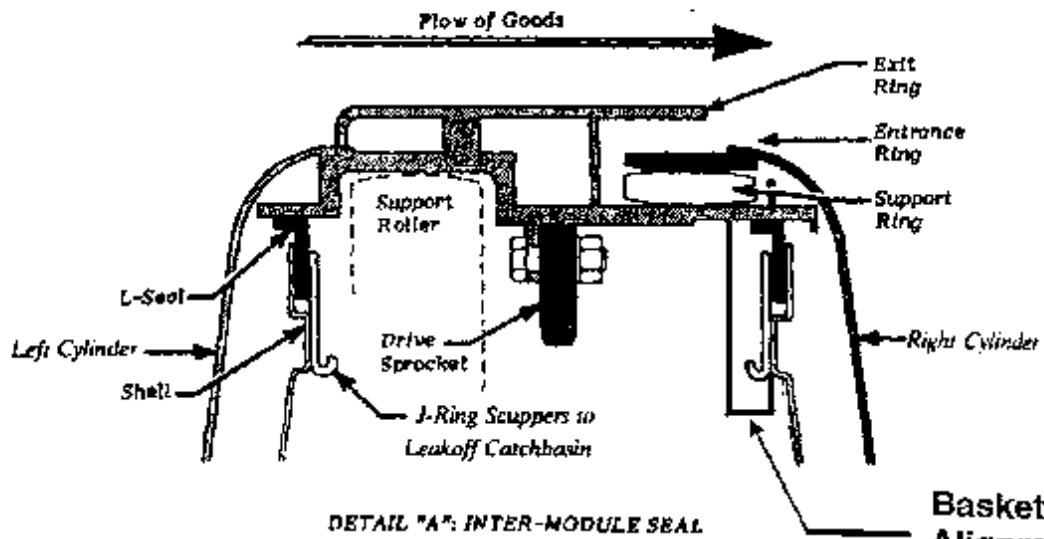
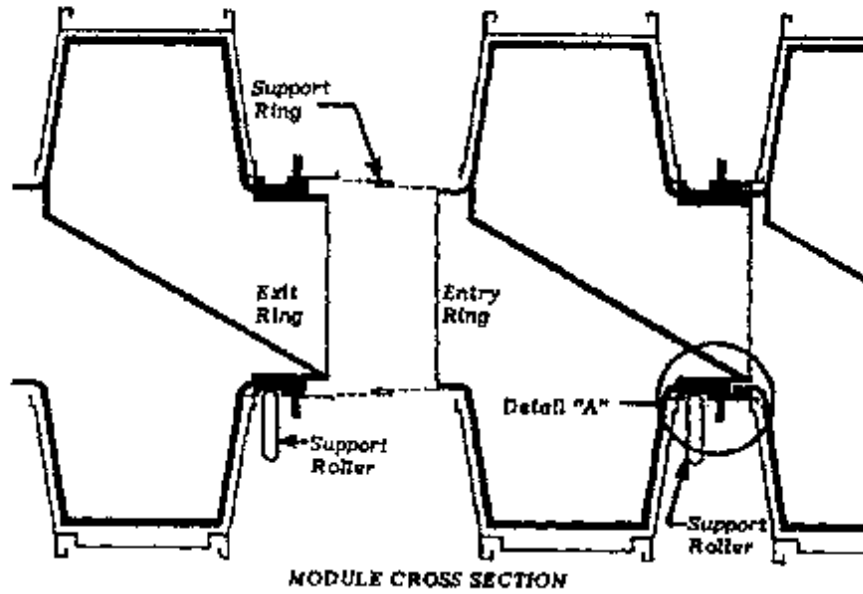
Place timbers or pipes on top of module 1 so that they extend about 2 feet in front of and behind the module. Use a cable come along attached to the timbers/pipes to lift the basket slightly. Use the MILNOR basket aligning tool (PN 06 20100) to center the basket in both sides of the shell of the first module, and use the support rollers to maintain the basket in the center. (See the attached drawing showing use of the tool for centering of the basket in the opening)

Centering should be checked at a minimum 6 points around the basket. The first module is the only module that has 4 support rollers, 2 on the load side shell and 2 on the discharge side shell. The tool uses a raised ring around the shell opening to locate the basket in the opening.

With the basket centered, measure from the wire to the point "a" on the tool. Use drawing and record the dimension. Note that "a" is actually at the highest point of the exposed part of the basket. Once module 1 has been aligned, we now have a bench mark that we can use to align the rest of the machine.

3. Use the dimension determined in number 2 and the tool to center the basket in the discharge end of module 2.

4. Continue this procedure for each module until the entire machine is completed.



**Basket
Alignment
Tool
PN 06 20100**

76032CBW

