



## AIMING TOOL MANUAL

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**This procedure must be done individually for every VectorJet nozzle in the pool.**

**Warning Please follow the Paramount layout. The placement of the body and nozzle are critical. Failure to do so will result in poor system performance.**



Fig. 1

Paramount builds every VectorJet nozzle with a preset cleaning angle. There is a label (Fig. 1) on each nozzle that shows the pool plan number, the zone the nozzle goes to, the preset cleaning angle and jet size. This information will correspond to the cleaning system layout provided by Paramount.

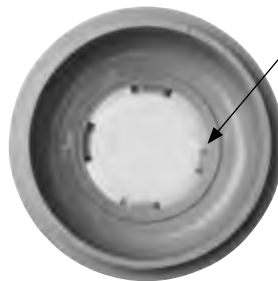


Fig. 2

Smaller Lug

The VectorJet bodies are keyed (Fig. 2) so that the VectorJet nozzle only fits in one way so that the nozzle can only be put in to face the direction intended. The VectorJet nozzle will drop into the body when the nozzle is aligned correctly. There is no need to force the VectorJet nozzle in, just rotate it until you find the position where it drops in. If it will not go in check the body for obstructions.

**Note:** The VectorJet nozzle will fit into the PCC2000, Vanquish or Vantage body in four positions. Only one position is correct after the VectorJet nozzle is properly aligned. If after locked in place the nozzle does not clean the correct direction you must remove it, rotate it 90, 180 or 270 degrees and reinsert it.

## FINDING THE CLEANING ANGLE USING THE VECTORJET AIMING TOOL

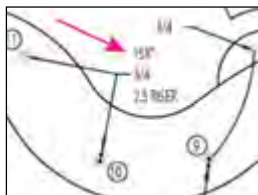
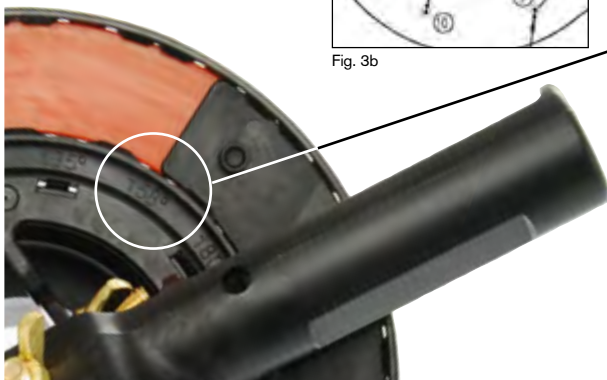


Fig. 3b

**Note:** This next step can be done at pre-plaster or pre acid washing / sanding of the pebble finish, or when the pool has water in it. This step must be done with either VectorJet or PCC, Vanquish or Vantage bodies whichever is used.

On the aiming tool expose the orange color ring (Fig. 3a) to the degree that matches the cleaning angle (Fig. 3b) on the Paramount layout drawing for that circuit and nozzle.

Fig. 3a



If the pool has VectorJet bodies installed then use the aiming tool part number 004-562-4600-00. It will only fit in the body in one position. (Aiming tool with black base)

Fig. 4

If the pool has PCC, Vanquish or Vantage bodies use a different aiming tool part number 004-552-4600-00. It will fit in four different positions. (Aiming tool with white base)

Fig. 5

Both tools will snap fit onto a telescopic pole for pools full of water.

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# FINDING THE CLEANING ANGLE USING THE VECTORJET AIMING TOOL

Fig. 6



Insert the aiming tool into the VectorJet or PCC2000, Vanquish or Vantage body completely so that it rests against the pool floor.

Rotate the top of the tool by hand or with the pool pole until the orange part of the aiming tool matches the orientation marked on the pool plan for that nozzle.

The exposed orange colored portion of the tool should match the right and left angle marks on the layout plan for that nozzle.

Remove the aiming tool from the body and look at the bottom of the tool flange (Fig. 6) to read the closest number that the indicator rib points to. Record these setting numbers for each nozzle location.

## SETTING THE CLEANING ANGLE

Fig. 7



Locking Tool

Find the last counter clockwise position of the preset cleaning angle by actuating the nozzle. This is done by placing the nozzle stem on a flat surface. Hold the retainer and push down gently and allowing it to return to the up position. Each actuation will advance the nozzle one position (Fig. 8)

You will be able to detect the final clockwise position by observing the aiming mark (Fig. 10) on the top of the nozzle as you push down on the retainer. When you see the aiming mark move clockwise as you start the downward push on the retainer.

**STOP! DO NOT COMPLETE THAT STROKE.**

Fig. 8: Push down on retainer to actuate nozzle



Using the locking tool (part number 004-562-2700-00) (pic7) place it on the VectorJet nozzle. (Note: one of the three slots is larger than the others so it will only fit one way.) Holding the VectorJet nozzle retainer in one hand, turn the locking tool clockwise to unlock (Fig. 9).

Keeping the locking tool in place and fully unlocked clockwise, turn the stem (bottom) of the nozzle (Fig. 11) until the aiming mark (Fig. 10) on the top of the nozzle points to the number on the inside of the aiming tool (Fig. 12) that corresponds to the number (pic6) recorded from the aiming tool for that nozzle.

Once lined up, lock the VectorJet nozzle directional setting in place by holding the nozzle retainer and turning the locking tool counter clockwise (Fig. 13) until the lock snaps in place.

The VectorJet is now aimed and ready for installation into the corresponding body in the pool. The nozzle may be set aside to be put into the pool later after all nozzles are set. The label on the nozzle notes where they will be installed later. Once the valve has circulated a few times and all the lines are cleared of debris install the VectorJet nozzles into the pool with the VectorJet/PCC2000 installation tool.

**NOTE:** If the pool has PCC2000, Vanquish or Vantage bodies then the VectorJet nozzle will fit in four positions 90 degrees apart. Only one of these positions will point the nozzle the correct direction. The nozzle may need to be removed and rotated until it points the correct direction.

Fig. 9: To unlock turn tool clockwise



Aiming Mark

Fig. 10



Fig. 11: Twist nozzle to line up mark



Fig. 12: Aiming mark lined up with number on tool



Fig. 13: To lock turn tool counter clockwise