

Re-aligning and Tightening the 14-port Valve

The 14-port valve is used to select the line that sample will be pulled from. If the 14-port valve is loose or misaligned, then samples might not be drawn.

Materials Needed

- 9/64" hex ball driver (Part #: 011964)

Instructions

1. Initialize the instrument to ensure the actuator is positioned correctly.
2. Loosen the Allen screw, located at the side of the 14-port valve collar, using a 9/64" hex ball driver (**Figure 1**).

3. Realign the 14-port valve making sure that the flat end of the alignment shaft points towards the alignment pin hole. Align the adapter notch so that it points toward the alignment pin (**Figure 1**).
4. Make sure the 14-port valve is positioned correctly. Check that port 1 is in the 12 o'clock position and the alignment hole and alignment pin are in line (**Figure 1**).
5. The valve needs to be fully seated against the collar so that there is no gap between the collar and the valve (**Figure 2**).
6. Thoroughly tighten the collar using a 9/64" hex ball driver on the Allen screw.

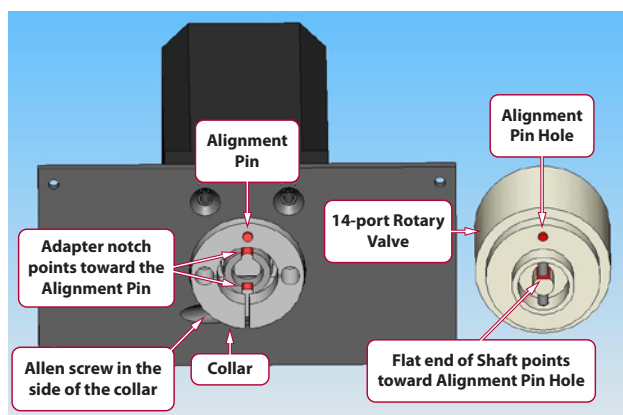


Figure 1. The alignment of the shaft and the adapter notch.



Figure 2a. Valve is not fully seated.



Figure 2b. Valve is fully seated.