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.

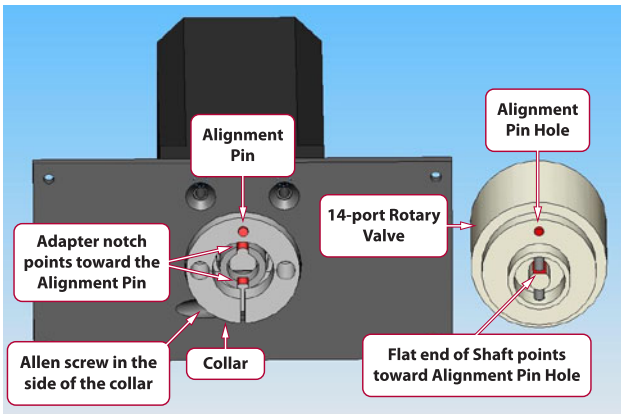

Figure 1. *The alignment of the shaft and the adapter notch.*

Figure 2a. *Valve is not fully seated.*

Figure 2b. *Valve is fully seated.*