

# Q&A

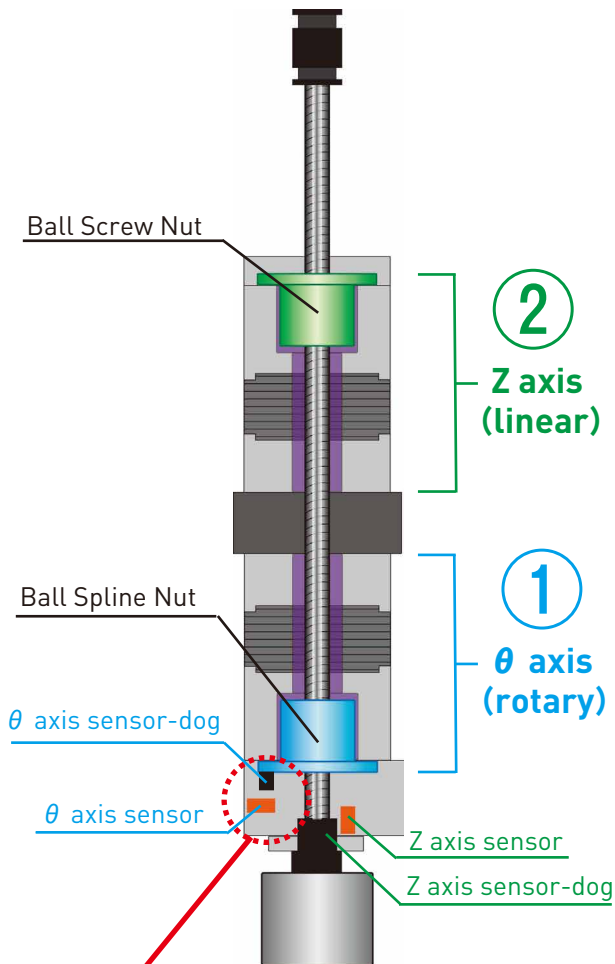
Question:

Does V-Z- $\theta$  Actuator has any orders to return to home position?

In order to apply home positioning, we recommend that  $\theta$ -axis should be the first, then followed by Z-axis. If Z-axis home positioning is first, then zero position may move after  $\theta$ -axis home positioning. The reason is shown below diagram.

**[Recommended procedure of home positioning]**

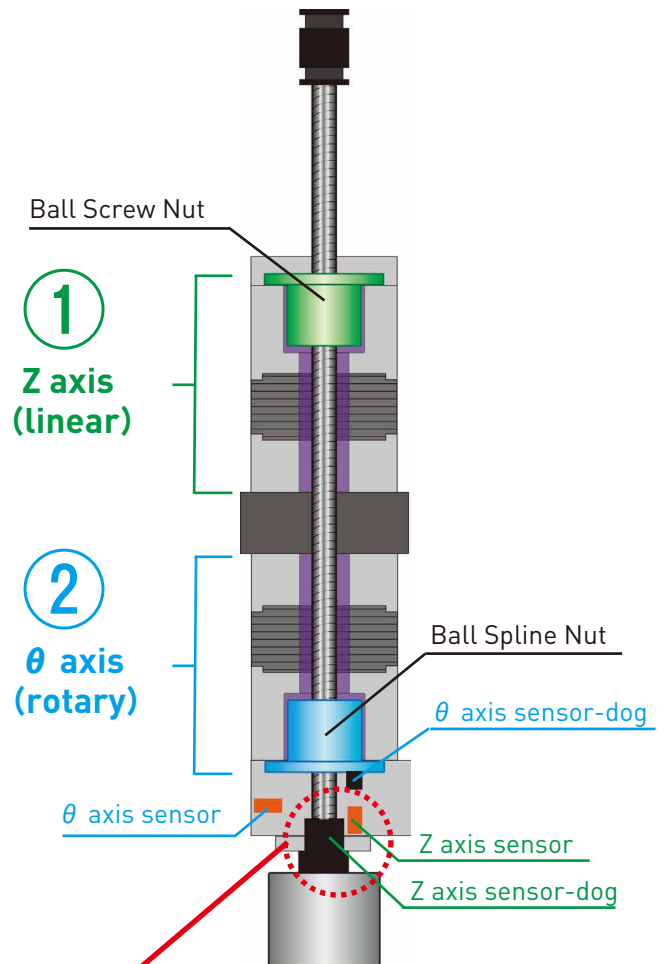
$\theta \Rightarrow Z$  axis



$\theta$ -axis home positioning has been done in zero position. In this situation, Z-axis home positioning should be applied.  $\theta$ -axis will never move because Ball Spline Nut only plays a role of guide for linear motion.

**[In case of home positioning]**

Z  $\Rightarrow$   $\theta$  axis



Z-axis home positioning has been done in zero position. In this situation, if  $\theta$ -axis home positioning is applied, BSSP Shaft (Ball Screw with Ball Spline) will move up or down with rotary movement at the same time of CW/CCW home positioning.

There is the appropriate order to apply home positioning...!