

## HORNET II: MAINTENANCE

### Pinch Valve Assembly Kit Replacement

The pinch valve is located on the stroke cylinder assembly.



The pinch valve should be replaced after 500,000 cycles or if the stroke arm assembly loses speed control during upward saw blade movement.

A kit for pinch valve replacement is available. Contact MiTek Automation Support to order.



To replace the pinch valve assembly, use the following procedure.

1. Lockout/tagout both the electrical and pneumatic systems. See [Lockout/Tagout Guidelines on page 6](#) for more information.
2. Open the front saw chamber door using saw door key.
3. Locate the pinch valve on the stroke cylinder assembly. See [Figure 7-32](#).

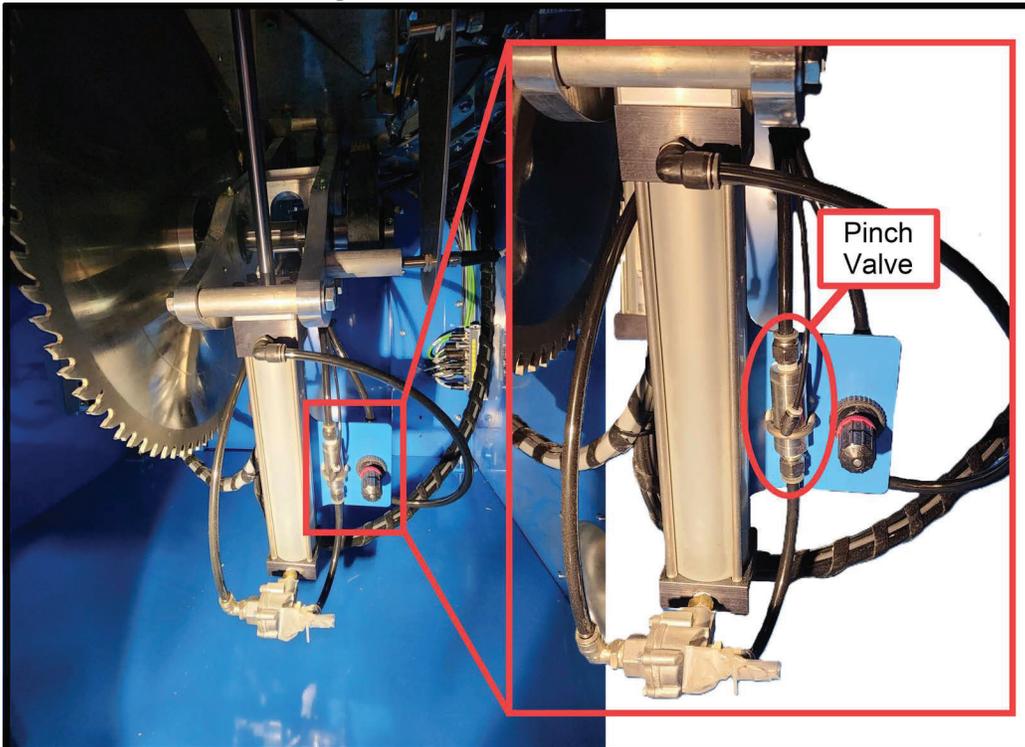


Wrench

Saw chamber door key

Pinch Valve Kit

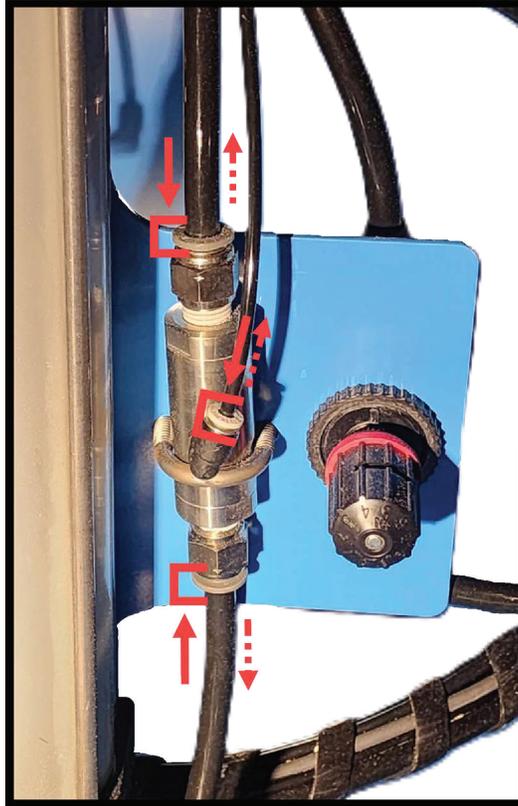
**Figure 7-32: Pinch Valve Location**



4. Remove the three pneumatic tubes connected to the pinch valve assembly.
  - a) Lightly push the tube towards the push-in fitting, then gently pull with a side-to-side motion to remove.
  - b) Note which tube is in which push-in fitting for attaching to the replacement pinch valve assembly. See drawing 76711-501 for more information.

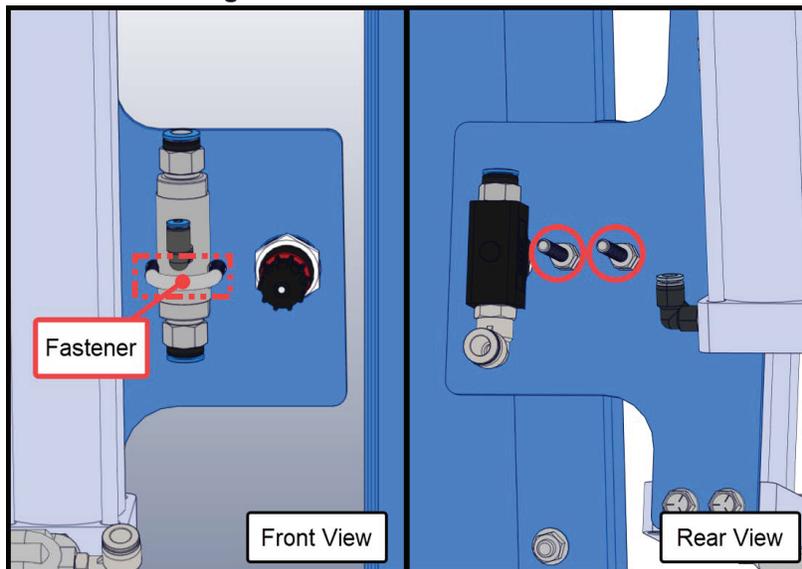
## HORNET II: MAINTENANCE

Figure 7-33: Pneumatic Tube Removal



5. Remove the U-shaped fastener securing the pinch valve assembly to the bracket by loosening and removing the nuts on the back of the fastener, then pulling the fastener towards the front of the saw, freeing it from the bracket.
  - a) Be sure to support the pinch valve assembly while removing the fastener as it will not be secured to the bracket after removing the nuts.

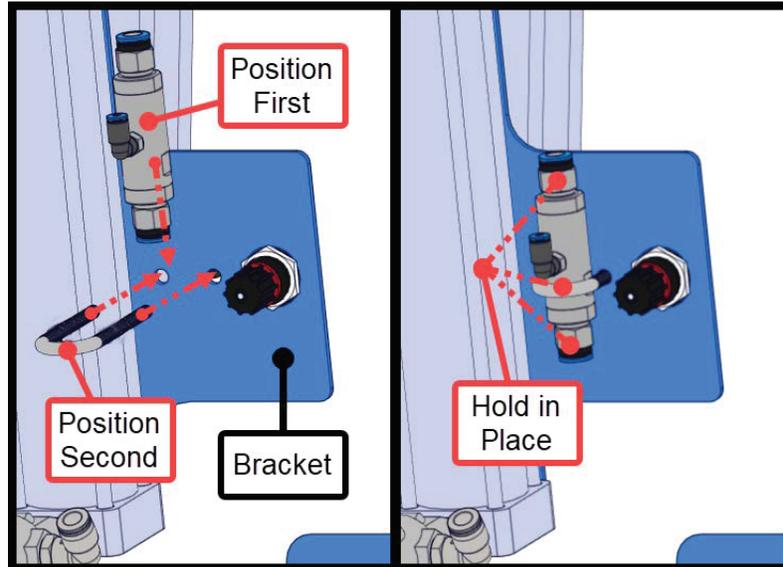
Figure 7-34: Pinch Valve Fastener



## HORNET II: MAINTENANCE

6. Position the replacement pinch valve assembly on the bracket where the previous assembly was.
7. While holding the pinch valve assembly in place, position the U-shaped fastener over the assembly and feed it through the holes on the bracket. See [Figure 7-35](#).

**Figure 7-35: Positioning the Replacement Pinch Valve Assembly**



8. Secure the pinch valve assembly and U-shaped fastener by tightening both nuts onto the threaded portion on the rear of the fastener while holding the assembly and fastener in place. See [Figure 7-34](#).
9. Once the pinch valve assembly is secured, attach the three pneumatic tubes that were removed in Step 4 to the assembly.
  - a) Attach the pneumatic tubes by pushing them into the appropriate push-in fitting. See [Figure 7-33](#) and/or drawing 76711-501 for more information.