Thermal 3 Head
Yaw Adjustment Procedure

Visual Reference Guide English

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When to use this procedure:

- If you are changing the head polarity due to a stuck pixel
- If you suspect that the yaw setting is incorrect
- If you are installing a new head, or upgrading from TH2 to TH3

1

If the device has an edge detect camera, remove the camera before you begin.

Check the polarity setting:

- Type `TH3>>set sys polarity`. The polarity value should match the value highlighted on the label.

If the polarity setting is incorrect, adjust it by typing the command

TH3>>`set sys polarity` [`0 or 1`]

NOTE: 0 is high polarity (Hi) and 1 is low polarity (Lo).

2

Locate the yaw adjustment on the carriage. Check the yaw setting:

- The yaw value on the carriage should match the value highlighted on the label.



3

If the yaw setting is incorrect, you must adjust the yaw. Note the yaw value (positive or negative, in mils) on the label on top of the head.

Polarity	Micron	YAW
Hi 0	+3	+0.18
Lo 1	-2	-0.12

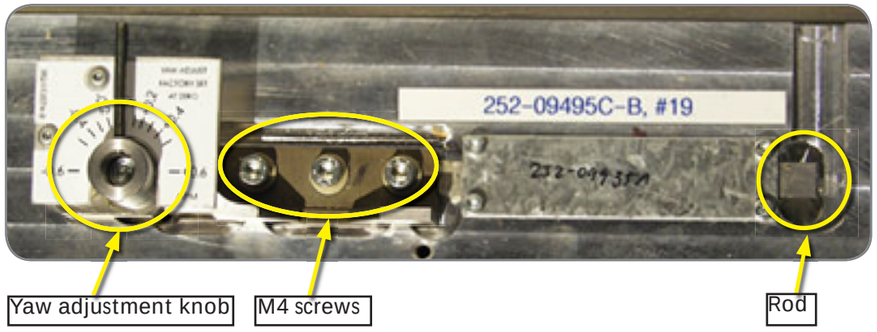


In this example, the polarity of the head is 1 (Lo) and the yaw value is – 0.12 mils.

4

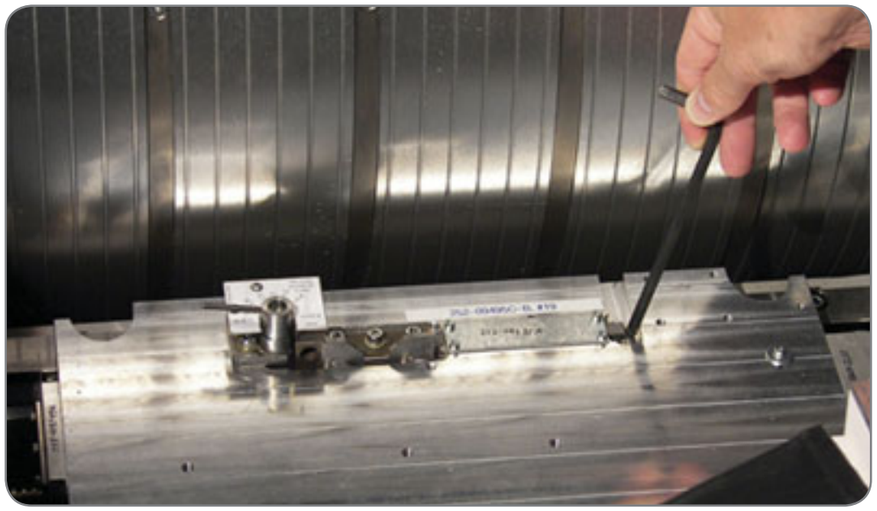
Loosen the three M4 screws in the front V–groove.

Loosen the screw in the center of the yaw adjustment knob.



5

Using an 8mm hex key, reposition the rod: place the head of the hex key beside the rod and gently twist. This applies pressure to the rod and moves it to the left.



6

Using an 8mm hex key, apply steady downward pressure on the mechanical reference points. Turn the yaw adjustment knob to the value indicated on the label. If the setting is negative you must reposition the rod again (see step 5).



7

Tighten the three M4 screws. Tighten the screw in the center of the adjustment knob.

