

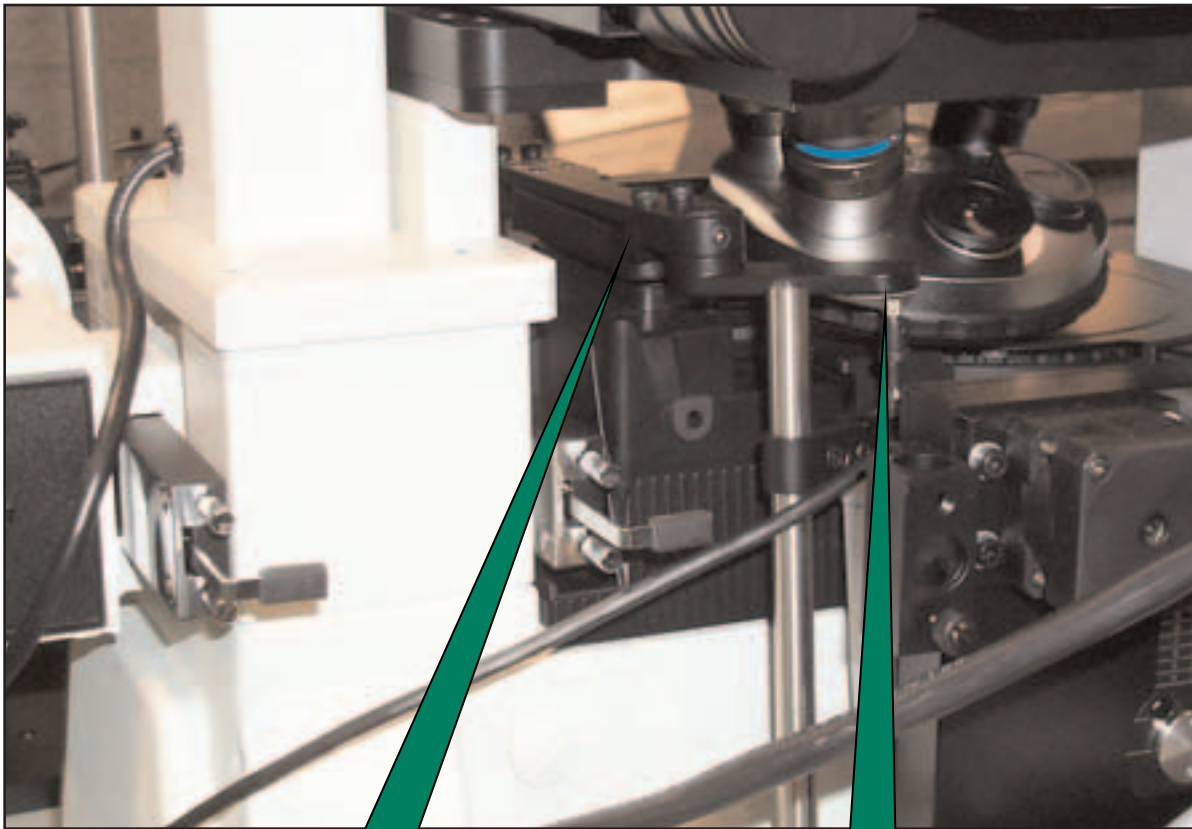
INSTRUCTIONS FOR MOUNTING PRIOR SCIENTIFIC, INC. MODEL H394, Z ENCODER BRACKET TO NIKON TE2000

Tools required:

Flat end screwdriver

Metric Allen Keys

1. Clamp probe reference bracket onto the rear of the microscope nosepiece by tightening the M6 grub screw and thrust pad assembly. The glass contact plate should be facing down. If this is not the case then you need to reverse the contact plate by loosening the set screw that holds the contact plate onto the bracket and turning the plate over. The contact plate should extend out to the left of the microscope and angle slightly towards the front of the microscope. See below.



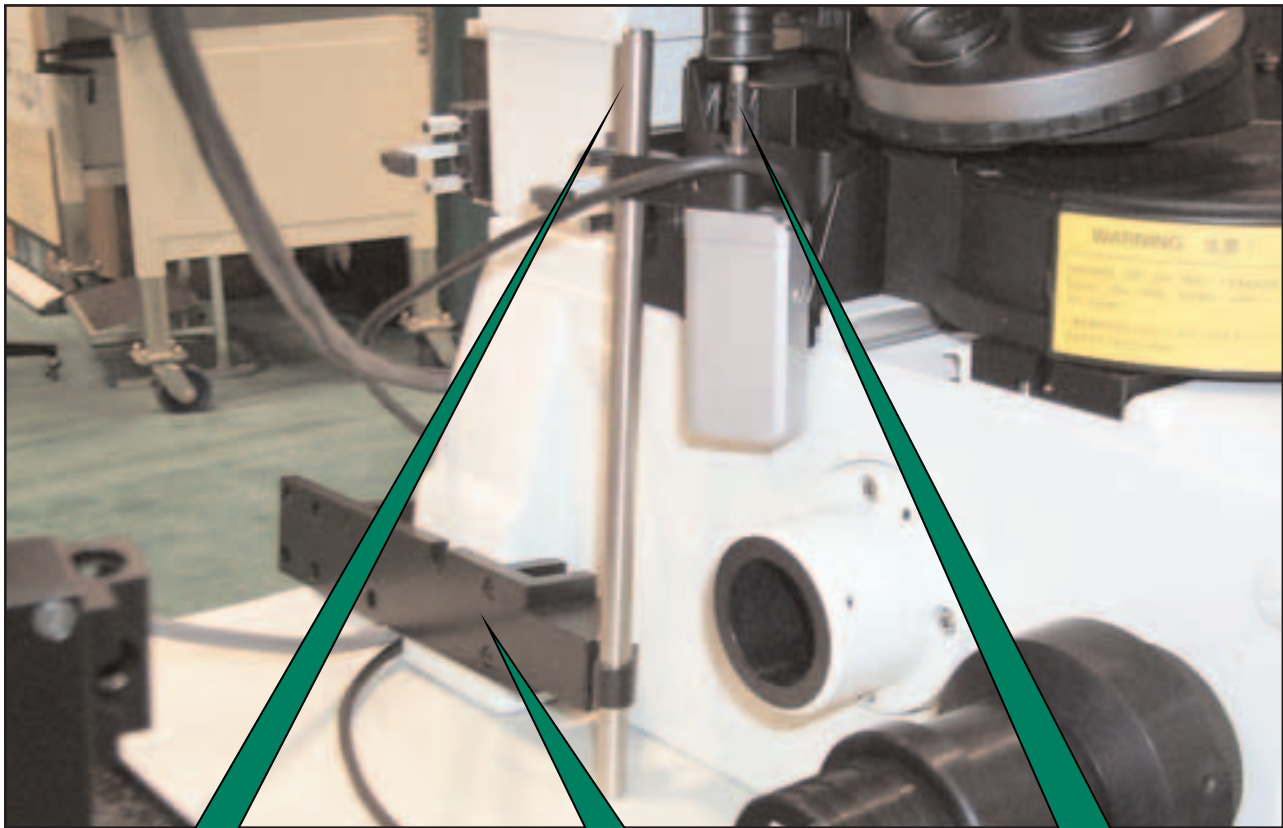
Probe reference bracket



Glass contact plate

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2. Clamp the frame bracket onto the left hand side leg of the microscope as shown below. The probe rod assembly can then be installed into the frame bracket with the encoder itself in the inverted position shown below. Adjust the encoder rod clamp so that the plunger of the encoder probe comes into contact with the glass contact plate at roughly the center. See below.



Probe rod assembly



Frame bracket



Encoder plunger

3. Check to see that the encoder probe maintains contact with the glass contact plate throughout the required focus travel. If the probe loses contact you will need to adjust the encoder rod clamp up or down.

4. Verify that the Prior controller has not been powered on, and plug the encoder probe into the location in the rear of the controller marked "Enc. Z". Installation is now complete. When you turn the controller on, it will run an auto-initialize routine to confirm that the encoder is plugged in and working properly.