

# INSTALLATION INSTRUCTIONS

## Adjust Microscope Focus Mechanism Tension.

In order to ensure proper operation of the Computerized Z-Motor, the rotational torque of the microscope focus mechanism must be correctly adjusted. Rotate the Coarse Tension Adjustment Ring (the innermost of the three focus control knobs on the left side of the instrument). Torque should be increased (rotate coarse tension adjustment ring counterclockwise) if the stage lowers under its own weight. Consult "Coarse Tension Adjustment" in your Nikon microscope instruction manual.

## Adjust Coarse Focus Stopper.

The Coarse Focus Stopper must be properly adjusted and clamped in place before installing the Motor Unit. (The Motor Unit will be retained on the Coarse Focus Stopper Knob and thus it must be firmly clamped in place.) Check your Nikon microscope instruction manual for instructions for proper adjustment of the Focus Stopper. The function of the Coarse Focus Stopper is to limit the upward motion of the stage to prevent a "crash" of the specimen with the objective lens.



- 1) Remove the fine-focus wheel on the right side of the microscope by unscrewing the two small screws while holding the fine focus knob on the opposite side of the microscope.



continued



- 2) Attach the large focus gear (provided), using the two screws previously removed.

NOTE: Make sure the bat handle on the motor mount unit is flipped to the right, disengaging the gears.



- 3) Place the large circular opening of the motor mount over the large focus gear. The back of the motor mount unit should be flush with the microscope. Loosen the three sunken screws in the front of the motor mount, push towards the center, and retighten. The unit should be secured onto the microscope.

NOTE: When removing the motor mount unit, loosen the screws, push them outwards, and retighten. If this is not done, the clips on the back side may interfere with removal.



- 4) Flip the bat handle up, engaging the gears. (It may be necessary to slightly rotate the left fine focus knob to fully engage the gears.)