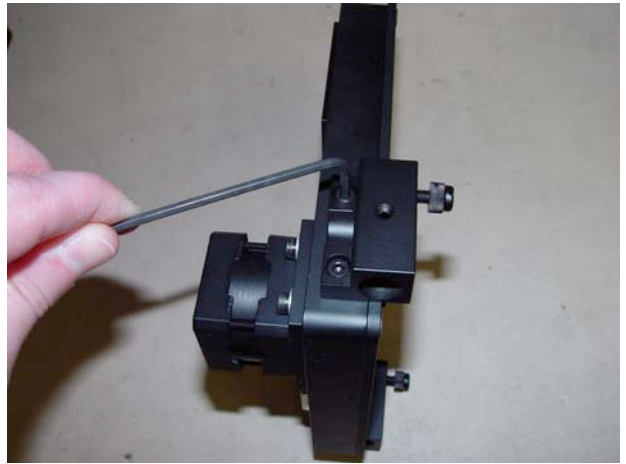


**EMISSION FILTER WHEEL UP KIT FOR NIKON TI
(MODEL NO. HF248)
INSTALLATION INSTRUCTIONS**

Metric Allen keys required (not included).

These instructions assume installation with a previously purchased filter wheel. If the filter wheel was purchased with the up kit, skip ahead to step 7.

1. Remove the blocks mounted to either side of the filter wheel that allow it to be mounted on the stand.



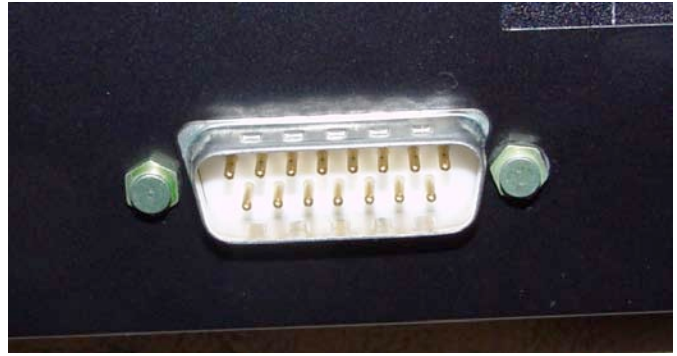
2. Remove the adapter mounting plate.



3. Remove the cover plate, exposing the inside of the wheel. Set the screws aside, as they will be used later.



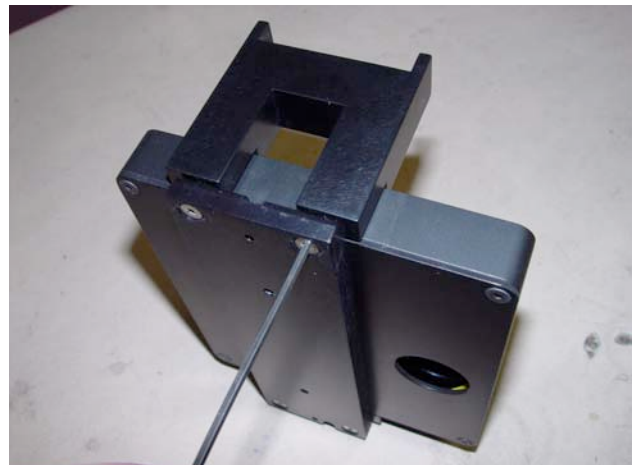
4. Remove the standoffs from either side of the connector and replace them with the provided posts.



5. Attach mounting plate and base to filter wheel with the (4) M4 countersunk screws that were removed along with the cover plate. The aperture in the plate should line up with the aperture in the wheel housing on the opposite side (remove the magnetic cover).

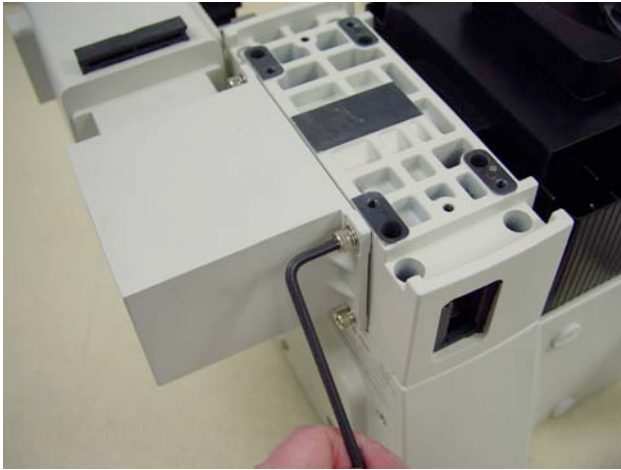


6. Attach turret supports to the base as shown. Note the proper orientation of the supports on the following page.

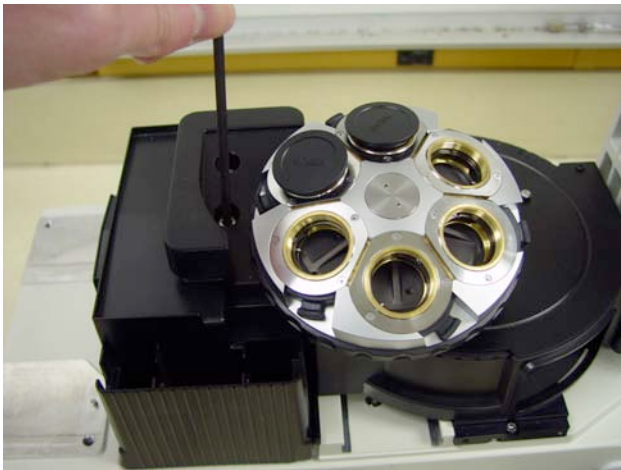




7. Remove the illumination pillar, epi-fluorescence arm, and pillar riser from the microscope.



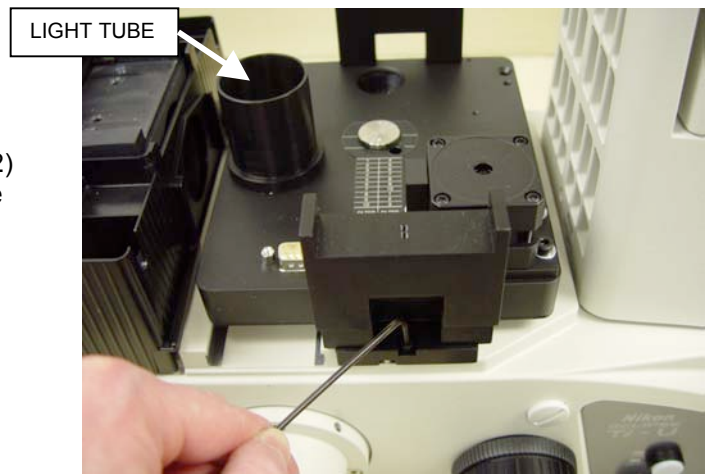
8. Remove the nosepiece and filter turret.



9. Install nosepiece block using (2) M5 x 16 cap head screws and washers provided.



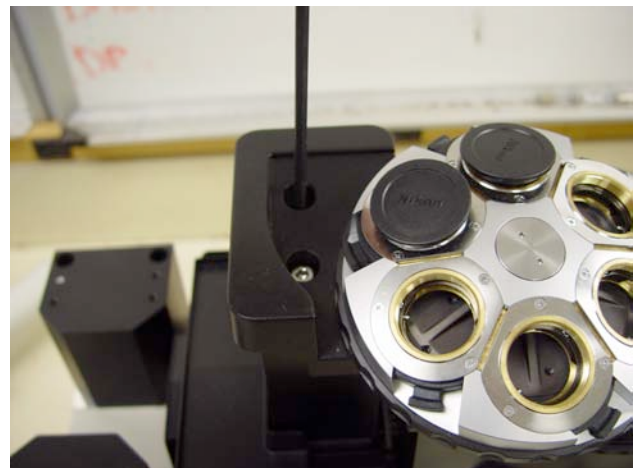
10. Install filter wheel assembly as shown using (2) M3 x 10 cap head screws provided. Place the light tube on the aperture of the wheel.



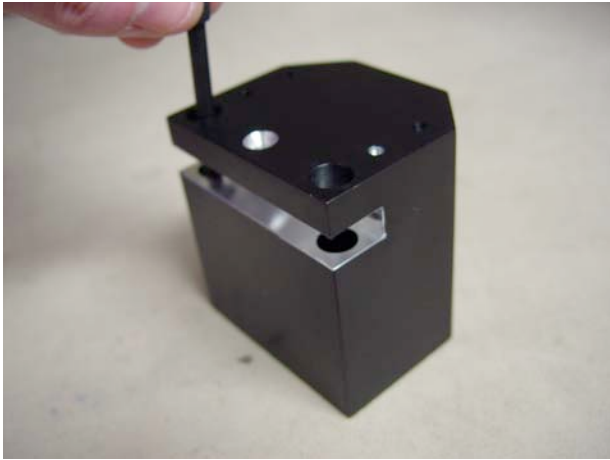
11. Install the filter turret on top of the wheel assembly using the screws provided with the microscope.



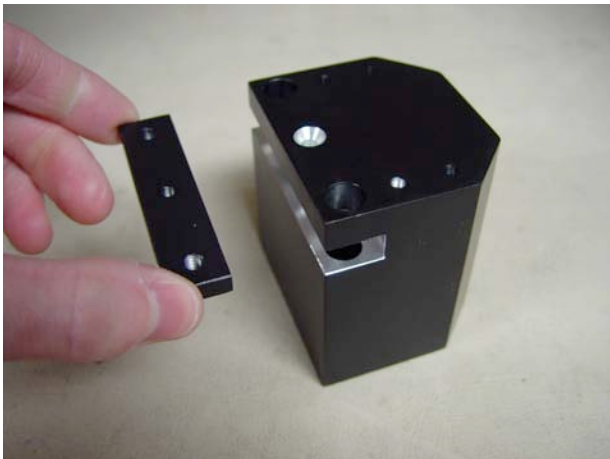
12. Install the nosepiece using the M5 captive fasteners provided with the microscope.



13. Drop (2) M5 x 50 cap head screws provided through the access holes in each of the pillar riser blocks. Position the blocks on the microscope base as shown and tighten the screws.



14. Insert screw plate into the slot on each of the riser blocks as shown and fasten using the M4 x 14 countersunk screw provided (the plate is symmetric).



15. Place the pillar riser on top of the riser blocks as shown and secure using the (4) M5 cap head screws provided with the microscope.



16. Install the front stage riser as shown using the (2) M5 x 60 cap head screws and washers provided. Attach the illumination pillar and epi-fluorescence arm to complete the assembly. Finally, the filter wheel cable must be fitted with the provided hood for right angle exit. The hood should be fitted to the female end of the cable such that the cable exits the wheel toward the rear of the microscope.

