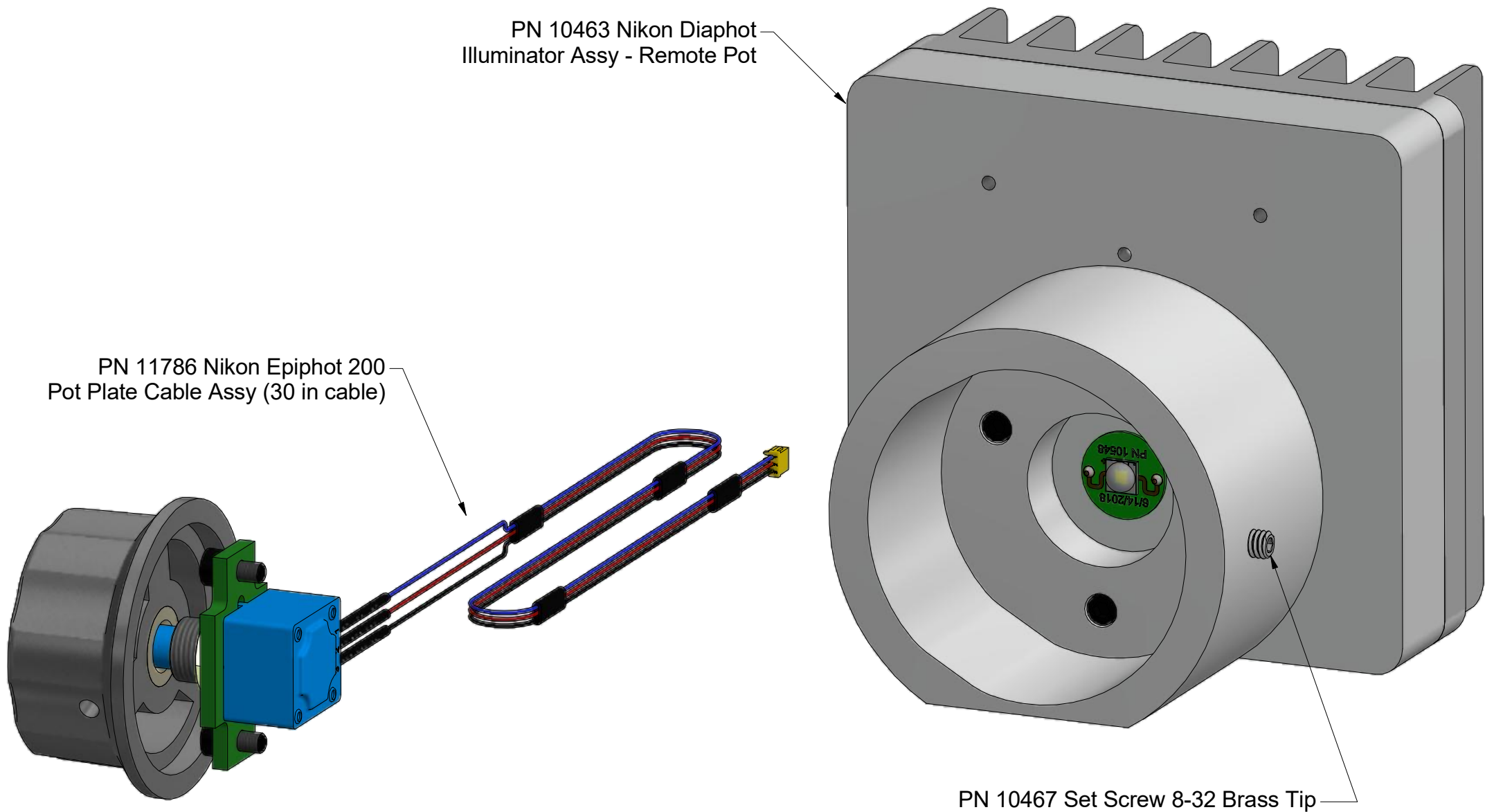


Nanodyne Replacement Illuminator for Nikon Epiphot 200 50W Installation Instructions: Included Items

Additional Items Included But Not Shown:

PN 10490 Hex Key 5/64 (for 8-32 set screw)



PN 11163 Power Supply 5V 2.1A and
PN 10734 Power Cable 1.35mm
ID/3.5mm OD x USB A 6 ft.

The illuminator may be powered by plugging the cable into the power supply provided, or into a suitable USB port on a computer or other device.

Power supplies are subject to substitution without notice due to availability issues and changes in regulations.



Tape to secure wires.

Han-Seung Yang		2/22/2021	
PN 11783 Nikon Epiphot 200 50W Illuminator System Installation Instruction			REV 1
SHEET 1		OF	7

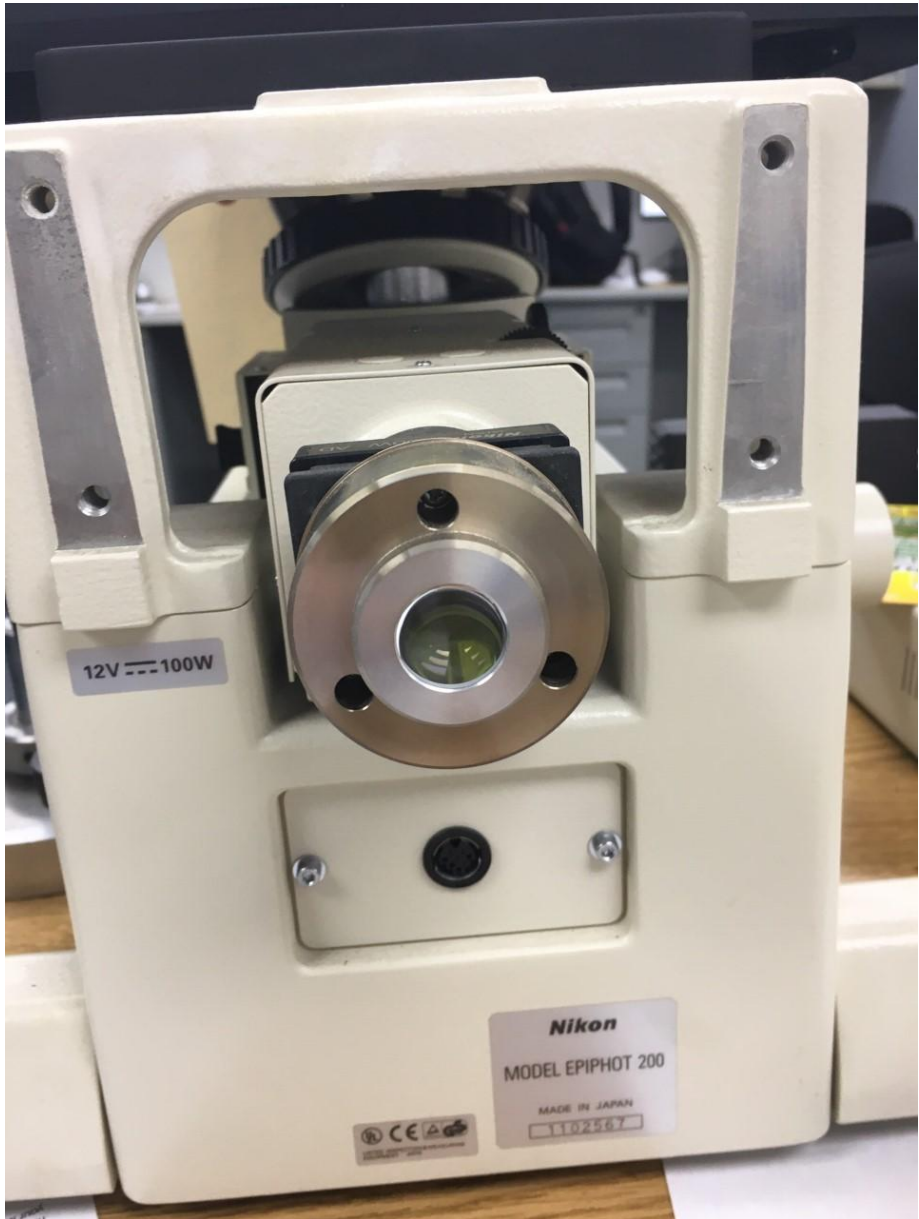
Nanodyne Replacement Microscope Illuminator for Nikon Epiphot 200 50W Installation Instructions



(1) This photo shows the microscope this illuminator system was designed for.



(2) This replaces the Nikon Epiphot 200 50W illuminator. If the original lamp port looks like this photo, this illuminator system is the right one for you.



(3) If you have a 100W system and the original lamp house looks like this photo, we have a solution for you. However, please contact us to discuss your needs.

Han-Seung Yang		2/22/2021
PN 11783 Nikon Epiphot 200 50W Illuminator System Installation Instruction		REV 1
SHEET 2		OF 7

Nanodyne Replacement Microscope Illuminator for Nikon Epiphot 200 50W Installation Instructions: Step 1. Remove Old Illuminator



(1) Be sure the AC power is unplugged. Disconnect the original lamp power cable.



(2) Loosen the set screw holding the original lamp and remove the original lamp.



NOTE. These photos show a Nikon Epiphot microscope. The Epiphot 200 50W uses the same lamp housing.

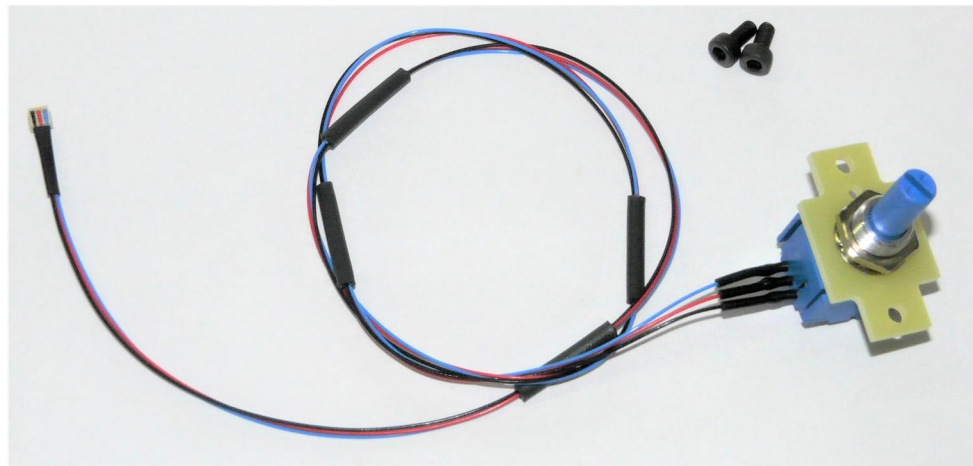
Han-Seung Yang		2/22/2021	
PN 11783 Nikon Epiphot 200 50W Illuminator System Installation Instruction			REV 1
SHEET 3		OF	7

Nanodyne Replacement Microscope Illuminator for Nikon Epiphot 200 50W Installation Instructions: Step 2. Remove Old Adjustment Pot, Replace With New Pot



Be sure the circled intensity control is not used to control an illuminator you are not replacing, before continuing. Contact us if you need another intensity control option.

NOTE. This photo shows a Nikon Diaphot 200/300 microscope, while the procedure is the same.



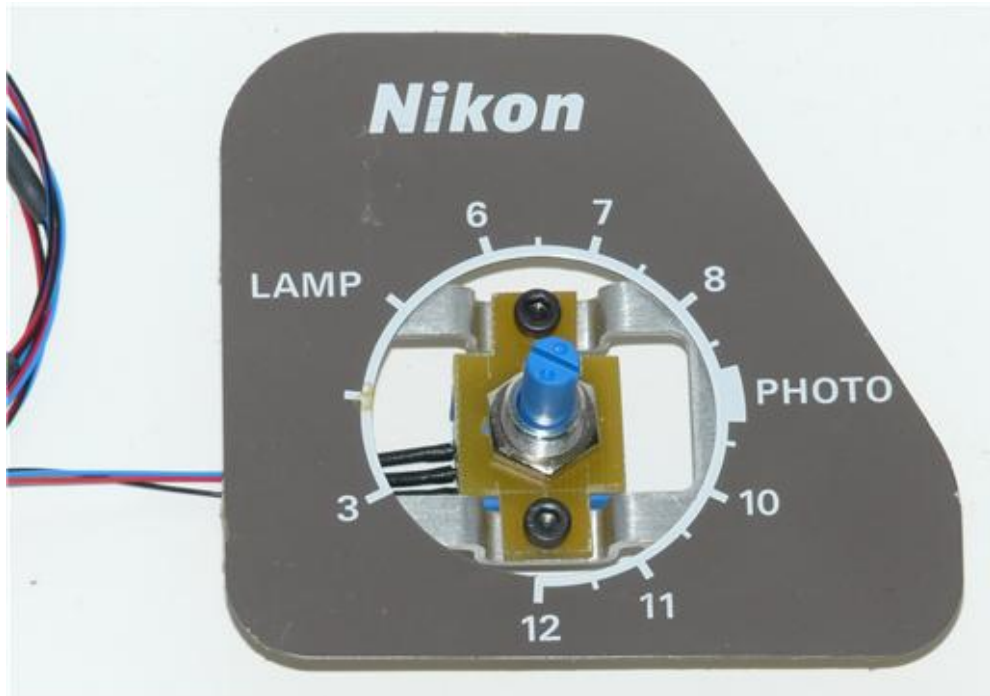
(1) New adjustment pot and mounting screws.



(2) Remove the knob, then remove the old pot.

If you remove the bottom cover from the microscope and run the pot cable out the back of the microscope you can leave the plate over the pot in place. (recommended procedure)

To avoid opening the microscope you can pry off the plate, run the pot cable out the side under the plate, and re-attach the plate with thick foam tape. The pot cable should be secured to the microscope with the red 3M VHB tape.



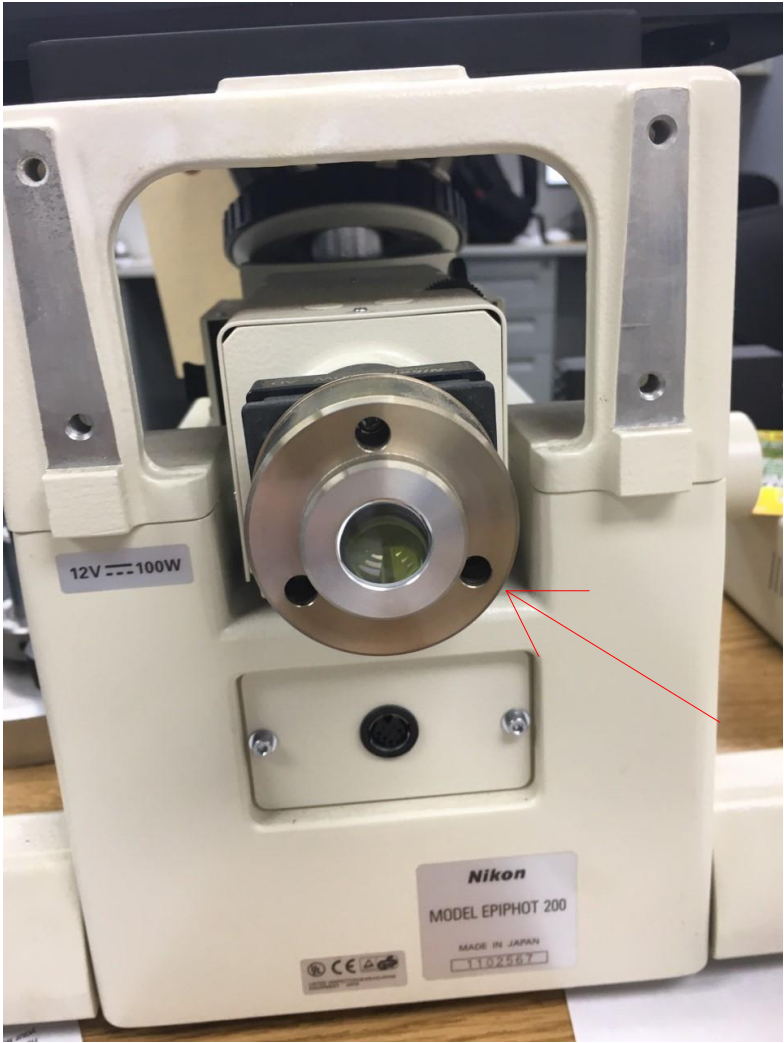
(3) Attach the new pot to the bracket that the old was attached to, using the 2 included screws.



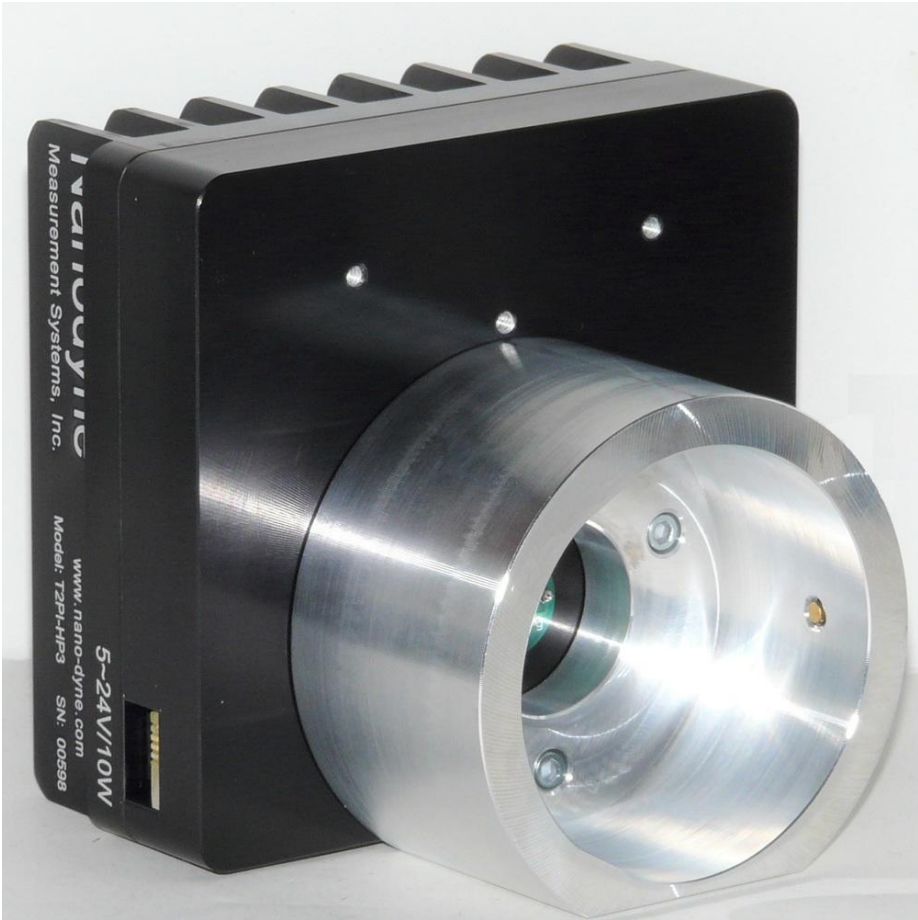
(4) Attach the new knob provided, using a small flat blade screwdriver

Route the pot cable to the back of the microscope so it can be connected to the illuminator when that is installed.

Nanodyne Replacement Microscope Illuminator for Nikon Epiphot 200 50W Installation Instructions: Step 3. Mount Nanodyne Illuminator



(1) Insert the Nanodyne illuminator into the port.

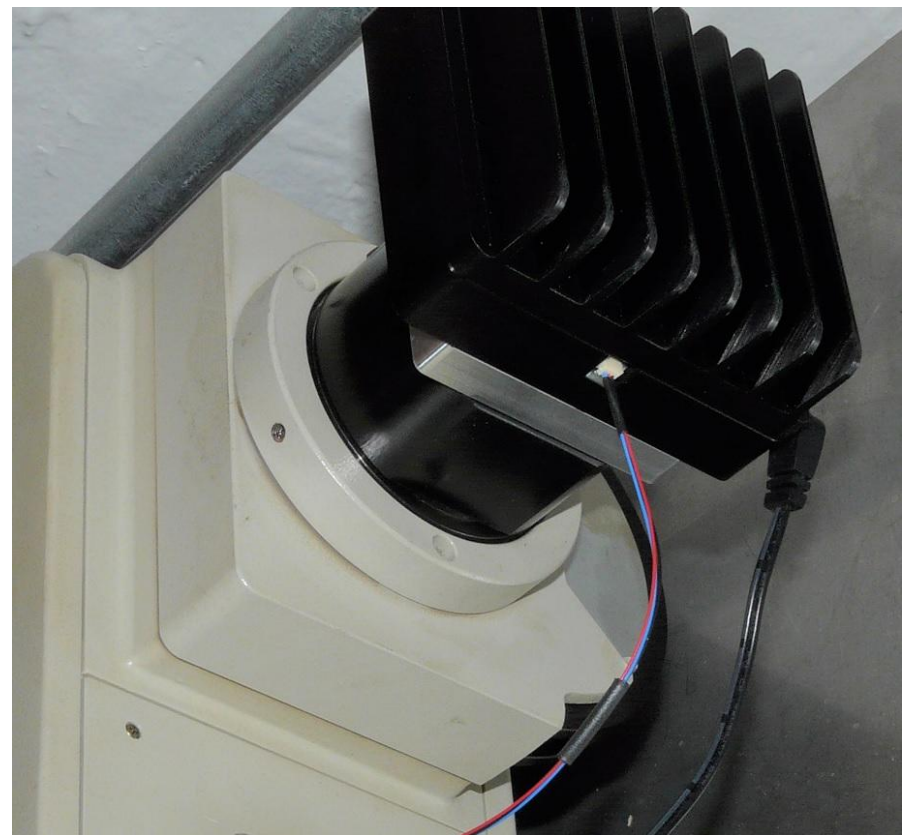


(2) Secure the illuminator by tightening the set screw with the 5/64 inch hex key.

This photo shows an Epiphot microscope, while the installation procedure is the same.

Han-Seung Yang		2/22/2021	
PN 11783 Nikon Epiphot 200 50W Illuminator System Installation Instruction			REV 1
SHEET 5		OF	7

Nanodyne Replacement Microscope Illuminator for Nikon Epiphot 200 50W Installation Instructions: Step 4. Connect the Intensity Control to the Illuminator



Connect the plug at the end of the Pot Cable Assembly to the mating socket of the illuminator, as shown in the pictures on this page. NOTE THAT THE PLUG IS KEYED TO ONLY GO INTO THE SOCKET ONE WAY, AS SHOWN.

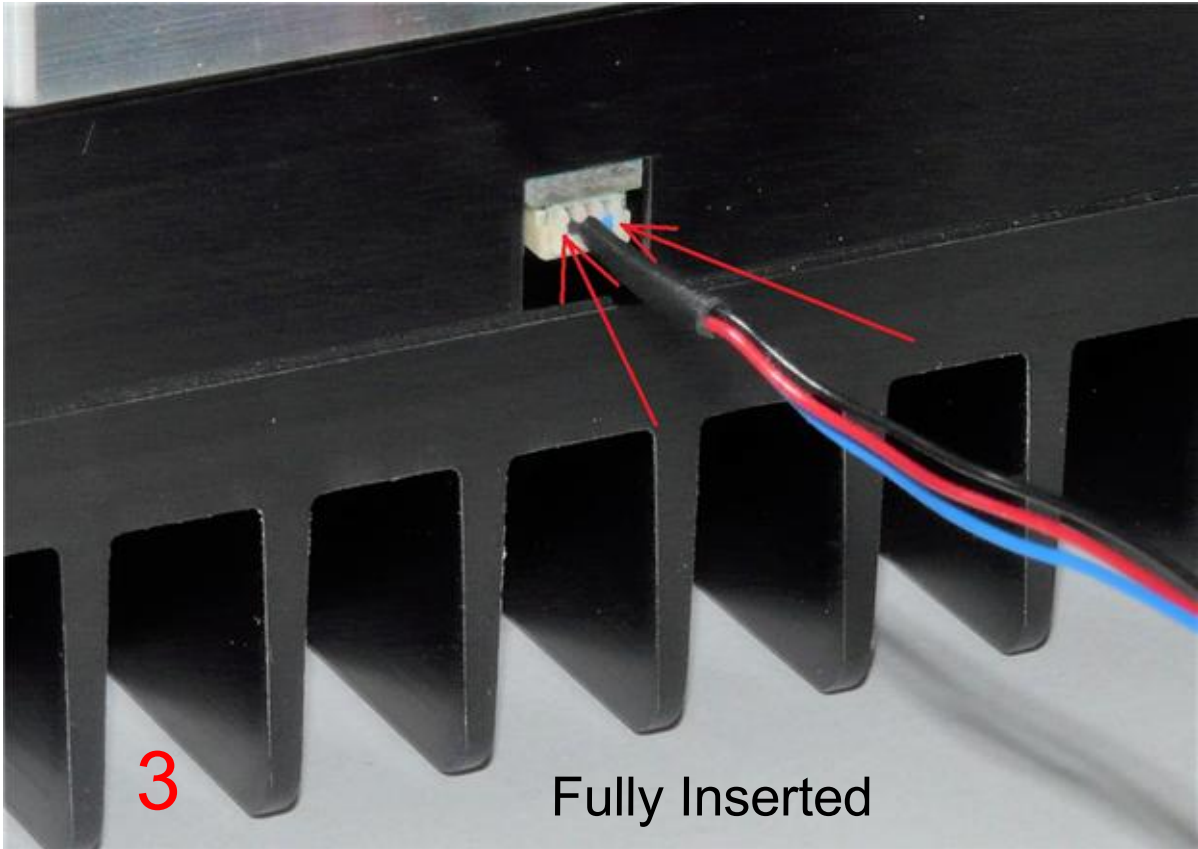
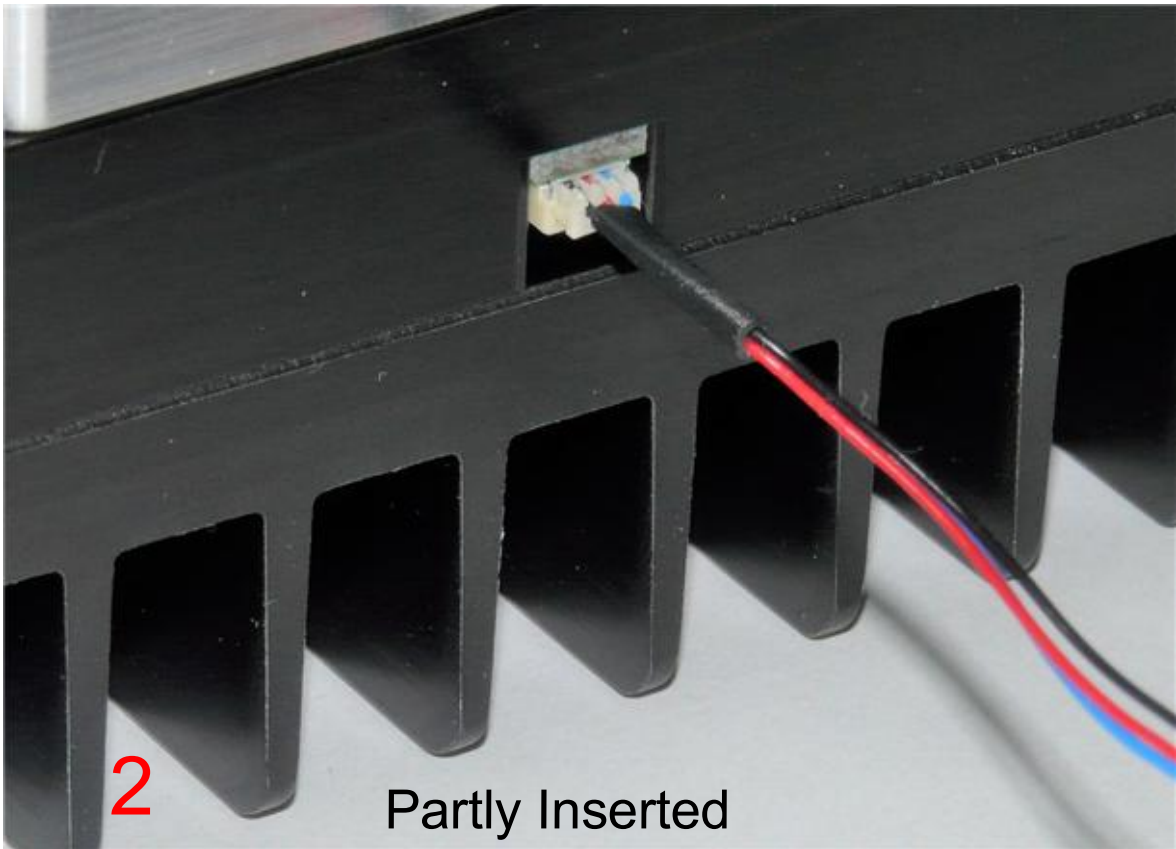
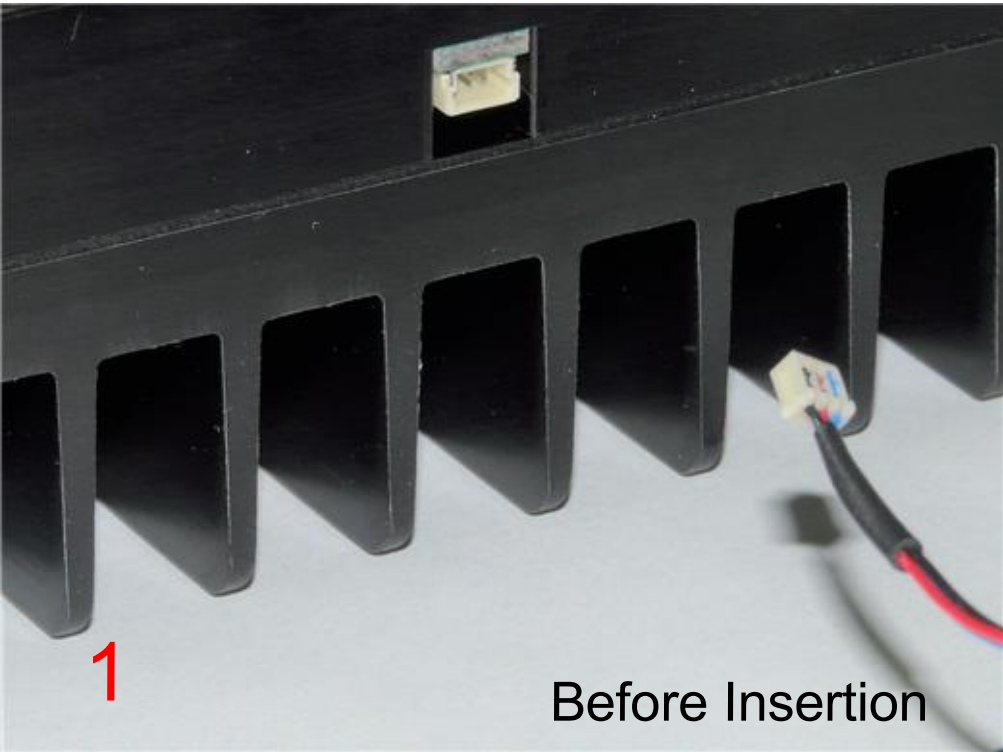
Partially insert the plug into the mating socket of the illuminator by holding the wire next to the plug with your finger (photo 2).

Use your fingernails, if you have them, or tools like a tiny screwdriver or tweezers pushing on the side of the plug to fully insert it (photo 3).

The socket cannot be fully engaged by pushing on the wires, as the wires would just collapse.

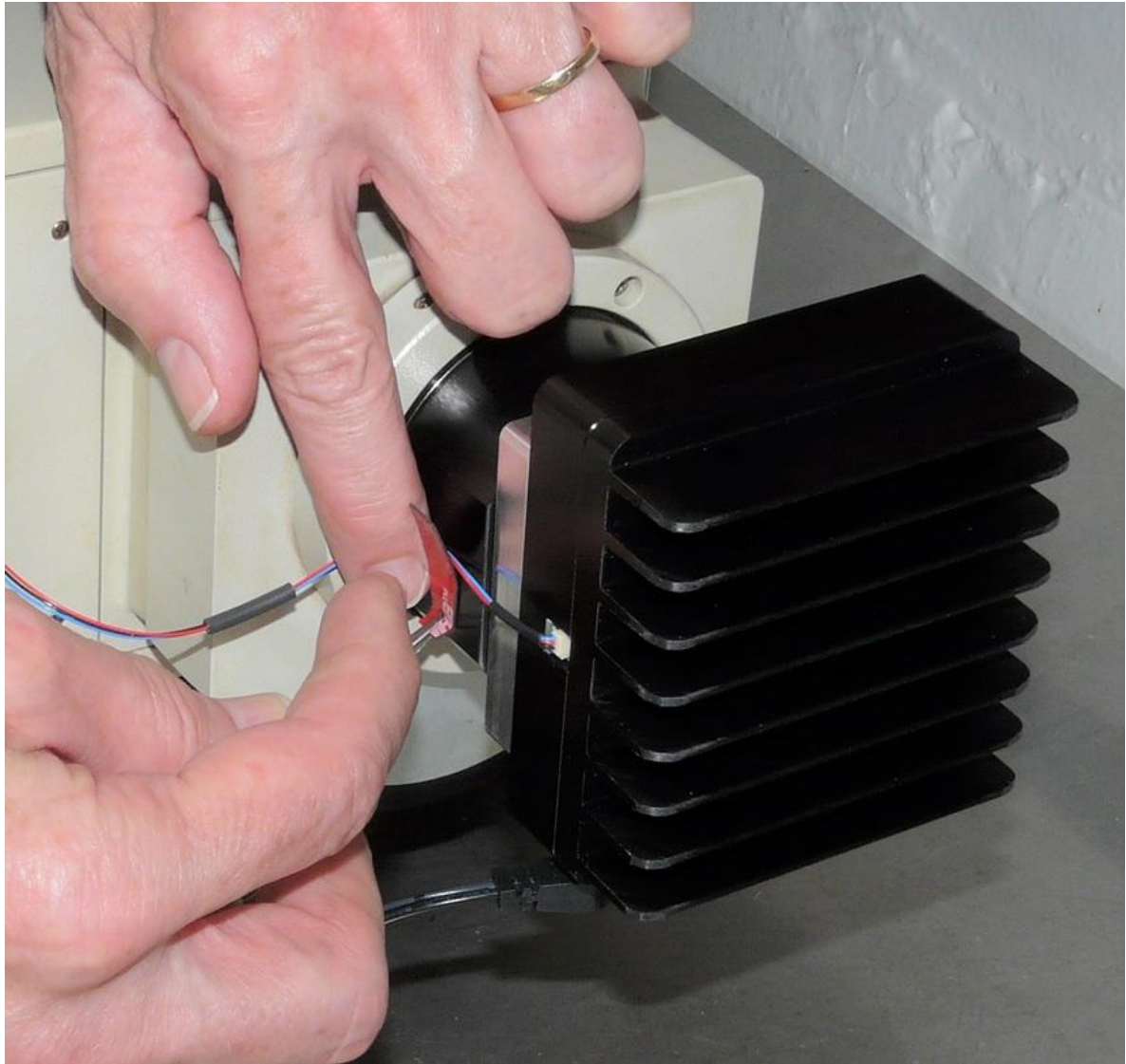
To disconnect it if needed, pull the wire straight out by firmly gripping the black heat shrink tubing.

The microscope at left is an Epiphot, while installation is the same for the Epiphot 200 50W.



Han-Seung Yang	2/22/2021	
PN 11783 Nikon Epiphot 200 50W Illuminator System Installation Instruction		REV 1
	SHEET 6	OF 7

Nanodyne Replacement Microscope Illuminator for Nikon Epiphot 200 50W Installation Instructions: Step 5. Secure Cables, Electrical Safety & Plug in Power Supply



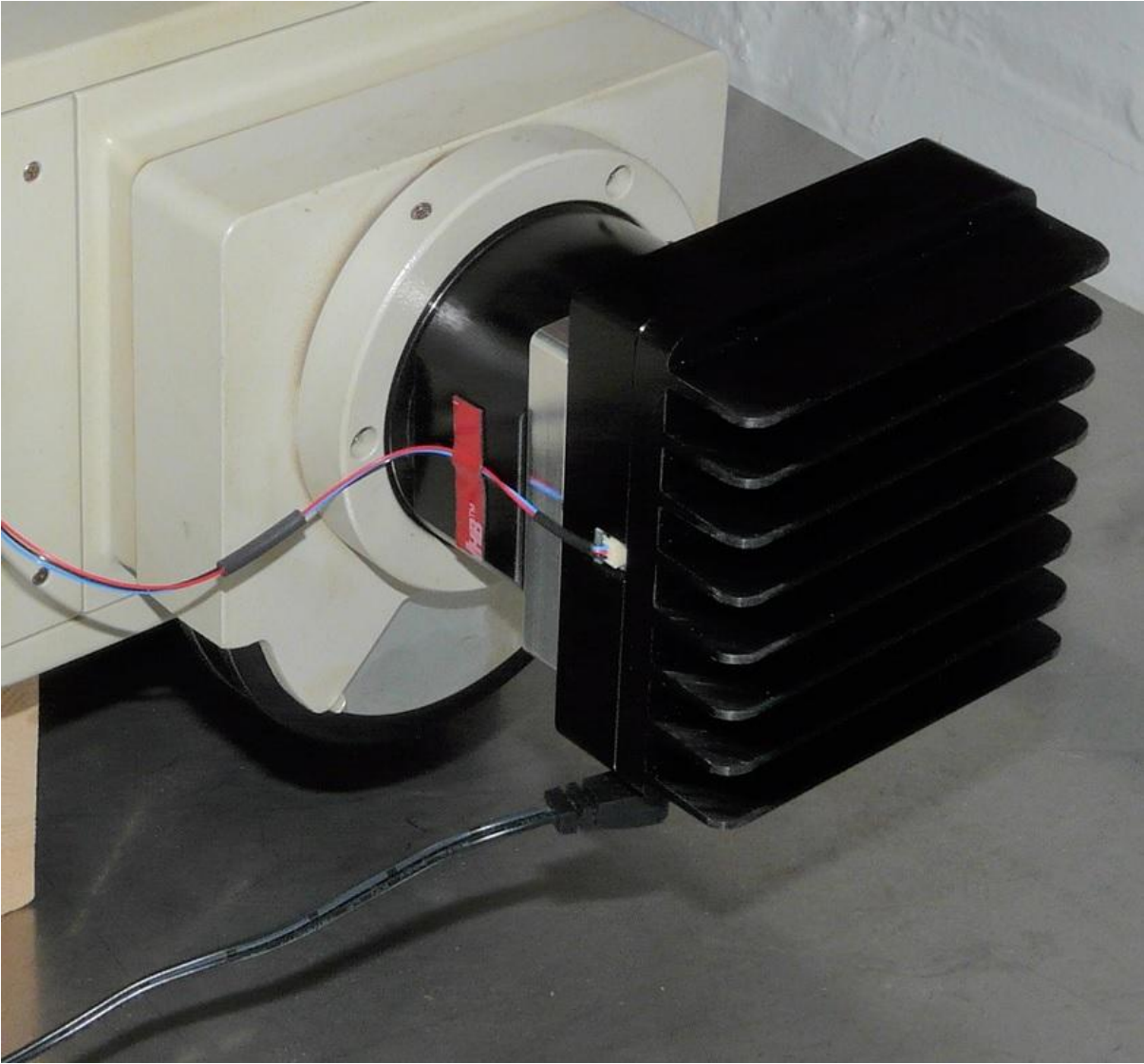
(1) Secure the pot cable inside and outside the microscope with the 3M VHB tape so the cable cannot get damaged or get into the optical path.

(2) Any un-needed AC power input should be disconnected.

If AC power is no longer needed we recommend disconnecting it at the inside of the AC receptacle, disconnect the wires by unsoldering, unplugging or cutting as required. Then insulate the wires with heat shrink tubing or electrical tape.

If AC power is still required for something else, disconnect it from the now obsolete lamp power supply or remove the power supply completely. Be sure any remaining AC wires are well insulated.

Consult with us if you have any questions.



(3) Connect the power supply and the Nanodyne illuminator is ready to operate.

These photos show an Epiphot microscope, while the installation procedure is the same.

Han-Seung Yang		2/22/2021	
PN 11783 Nikon Epiphot 200 50W Illuminator System Installation Instruction			REV 1
SHEET 7		OF	7