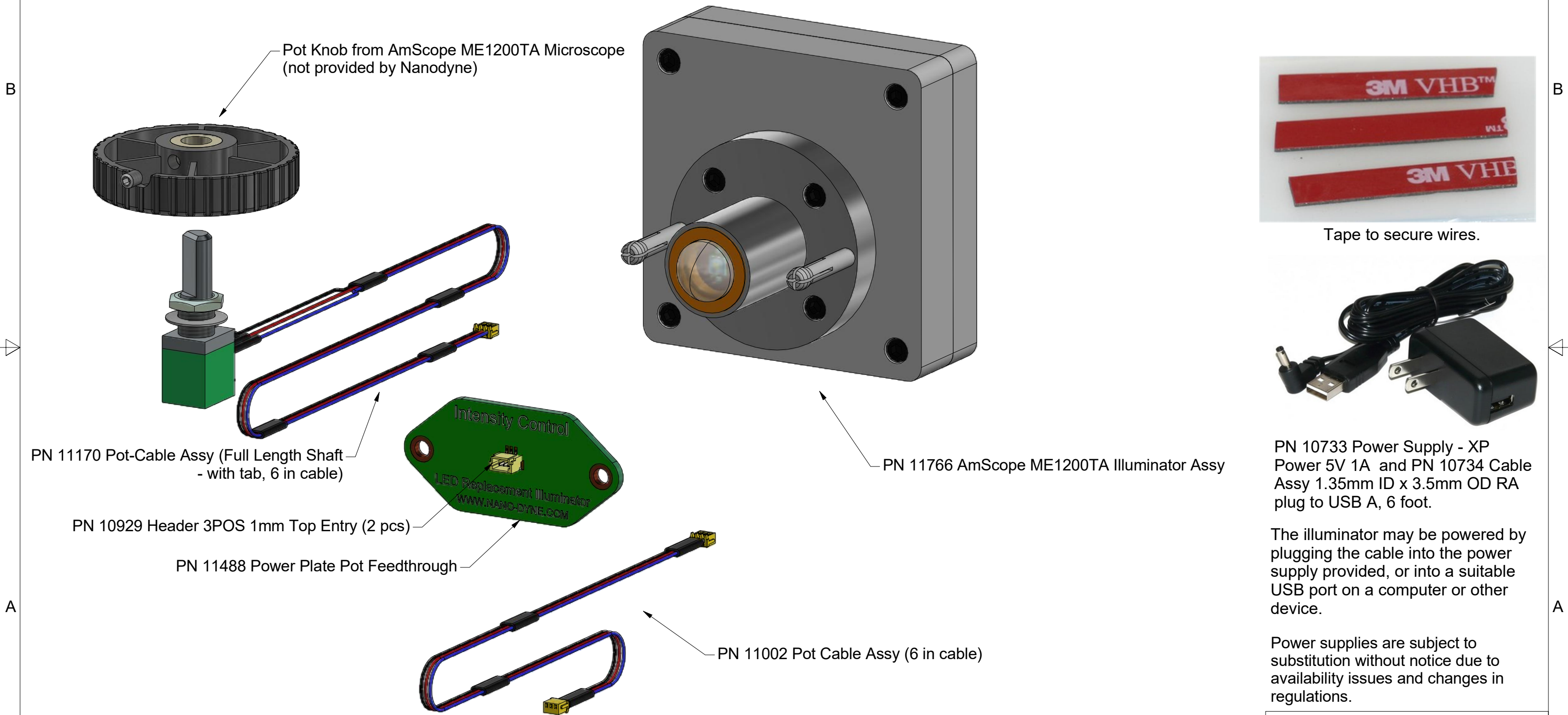


Nanodyne Replacement Illuminator for AmScope ME1200TA Microscope: Included Items

Additional Items Included But Not Shown:
PN 10456 Hex Key 1.5mm (for M3 set screw)



PN 10733 Power Supply - XP
Power 5V 1A and PN 10734 Cable
Assy 1.35mm ID x 3.5mm OD RA
plug to USB A, 6 foot.

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.

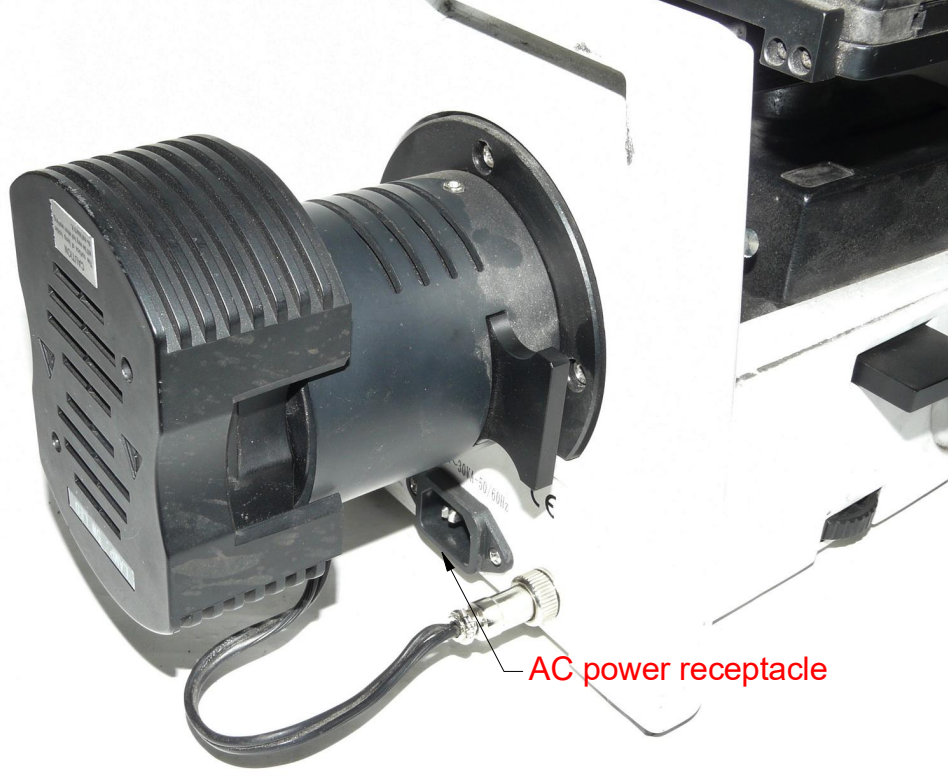
Power supplies are subject to
substitution without notice due to
availability issues and changes in
regulations.

Han-Seung Yang		6/12/2020	
PN 11767 AmScope ME1200TA		REV	
Illuminator Installation		1	
Instructions		SHEET 1 OF 10	

Nanodyne Replacement Illuminator for AmScope ME1200TA Microscope Installation Instructions: Step 1. Remove Old Illuminator and Bottom Cover.



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



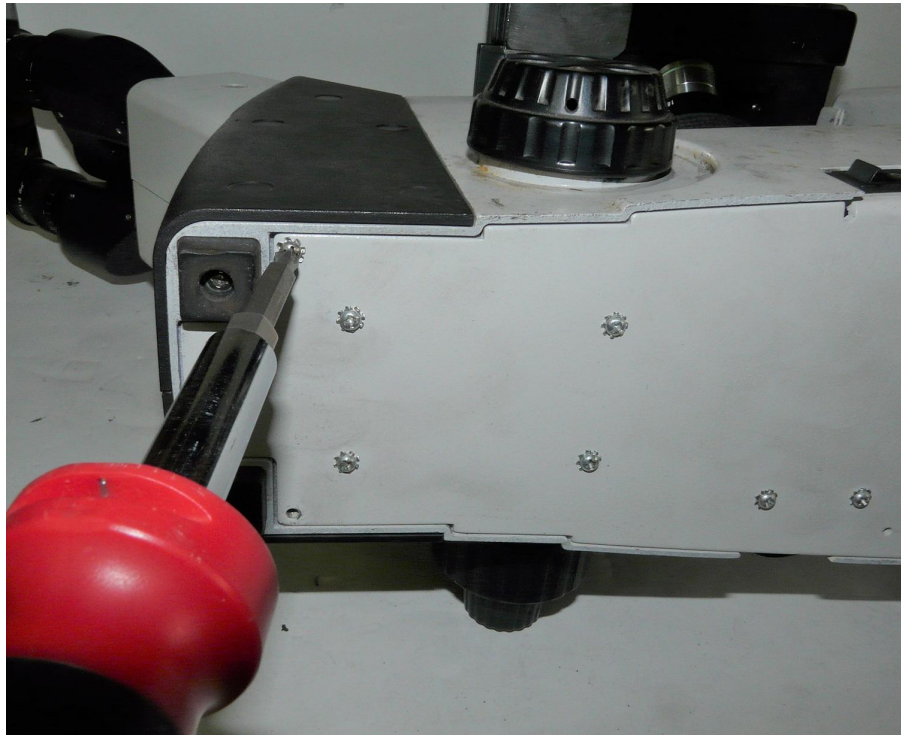
(2) Original illuminator. Be sure the AC power is unplugged.



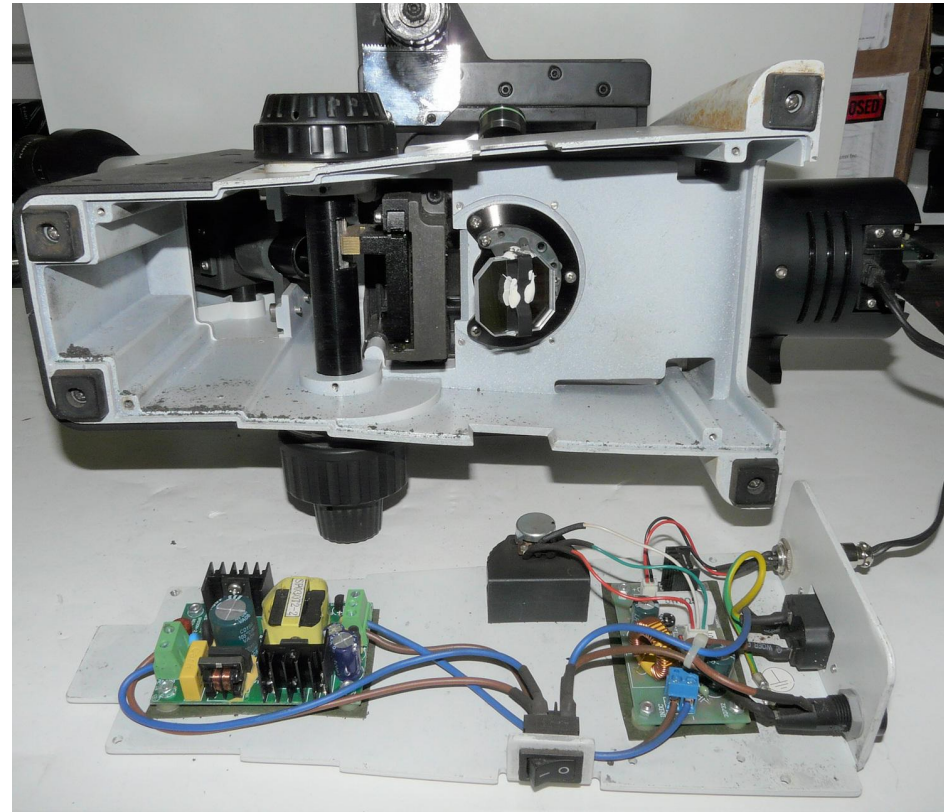
(3) Remove the original lamp.



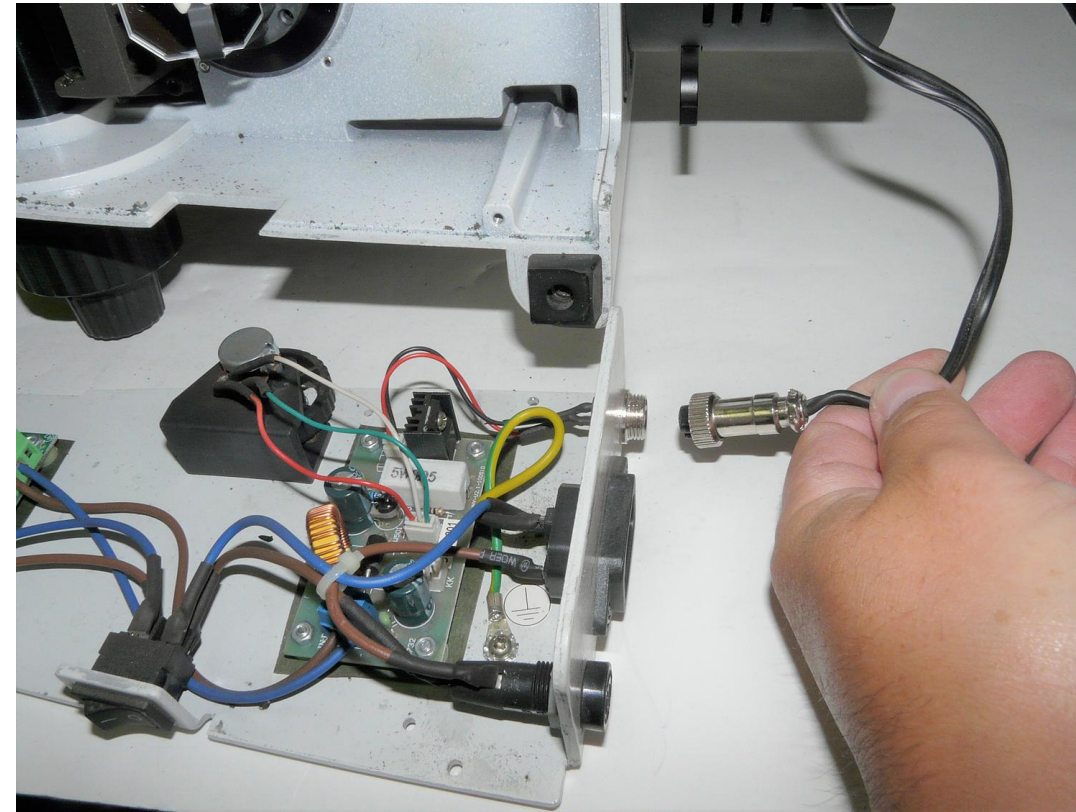
(4) Remove the 4 screws holding bottom cover using screw driver and open the bottom cover. Keep the screws for later.



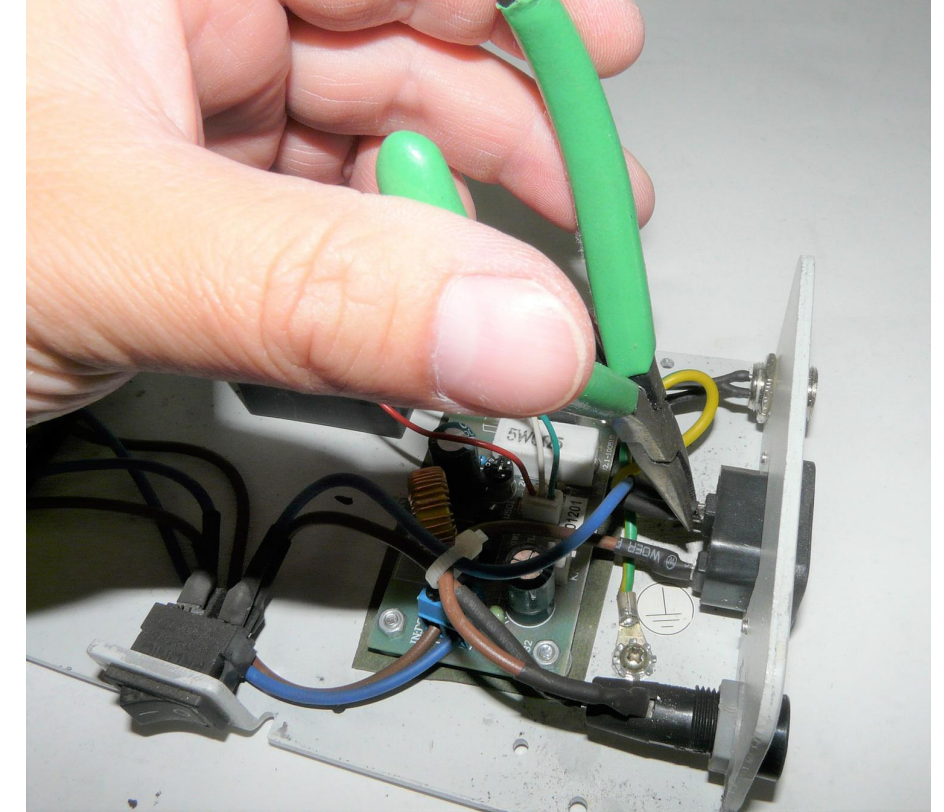
Nanodyne Replacement Illuminator for AmScope ME1200TA Microscope Installation Instructions: Step 2. Disconnect Old Wiring and Electrical Parts.



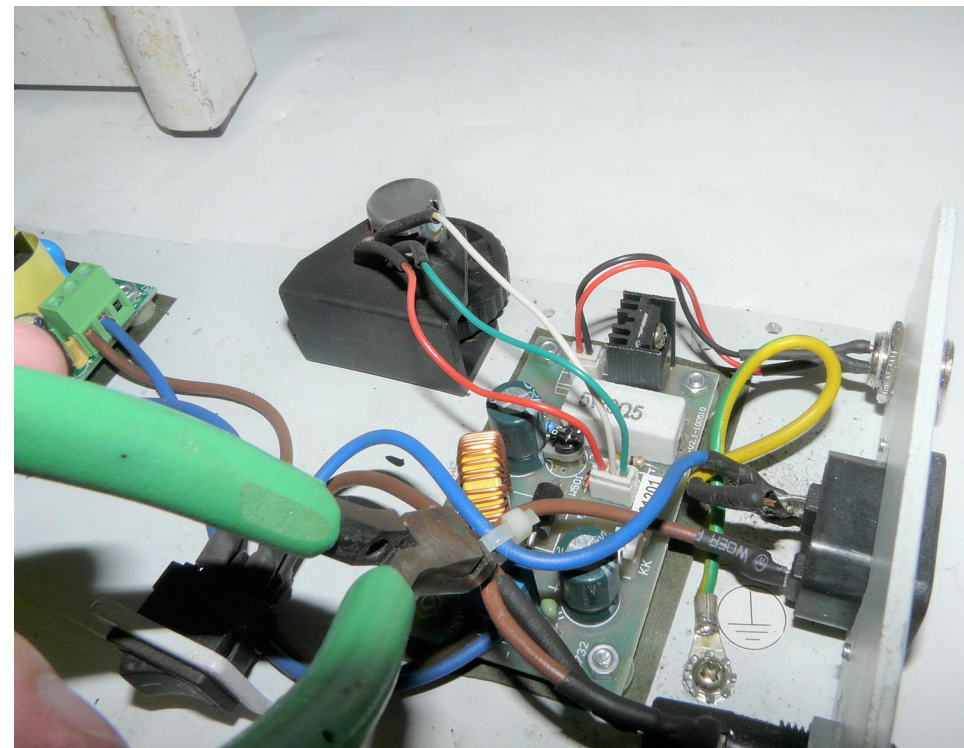
(1) Original electrical parts and wires.



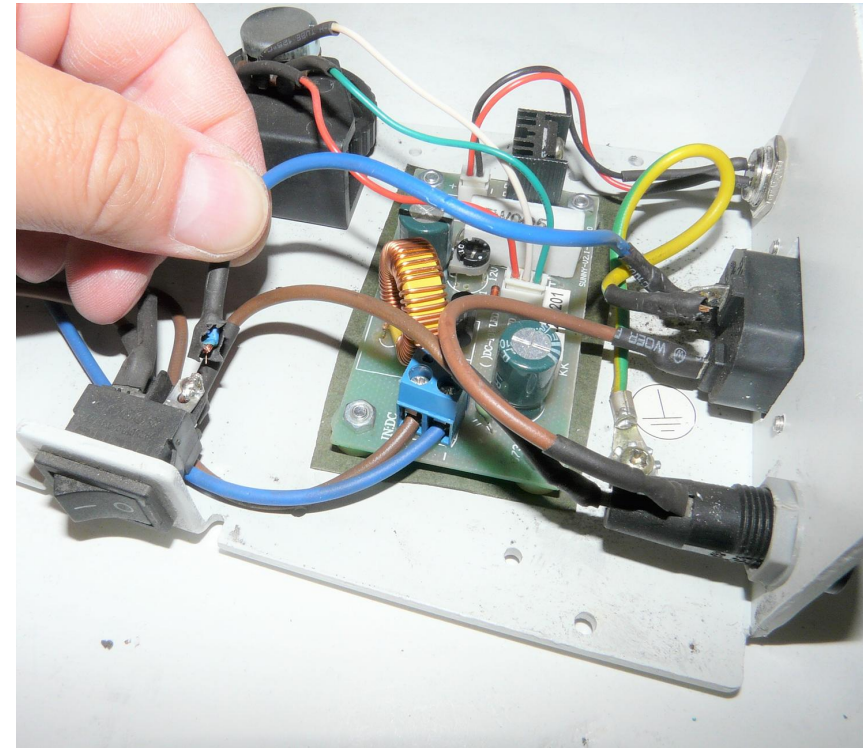
(2) Disconnect the original lamp power cable.



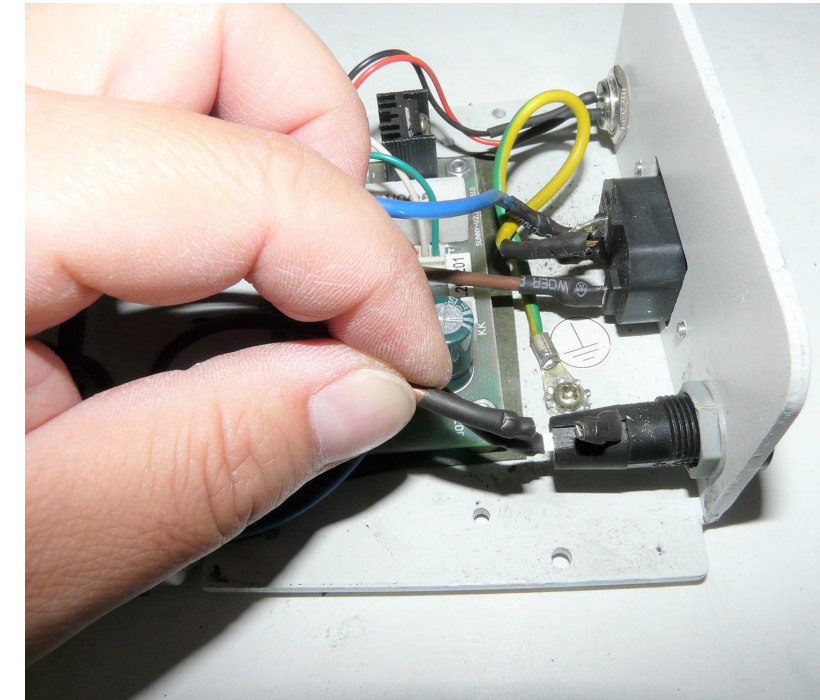
(3) Disconnect the ground wire.



(4) Cut the cable tie wraps if desired.

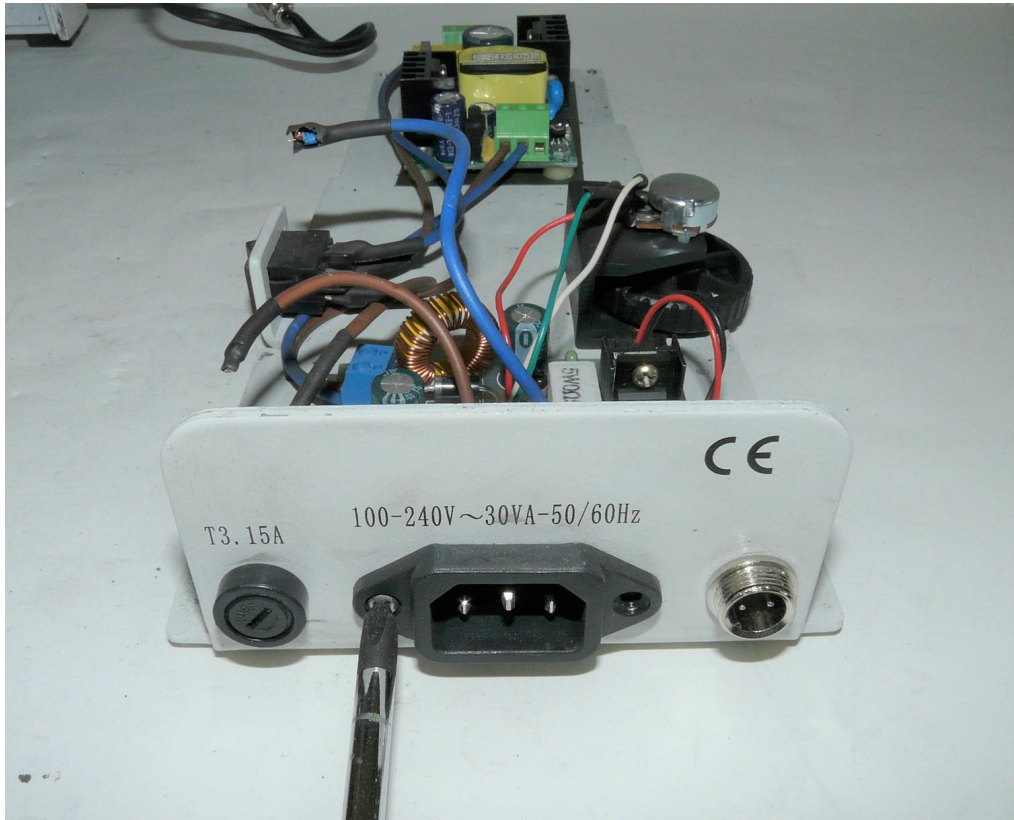


(5) Remove all connections to the AC power receptacle. Leave the green ground wire in place.



*Note: The original electrical parts are now obsolete. You can cut or completely remove the wires if desired.

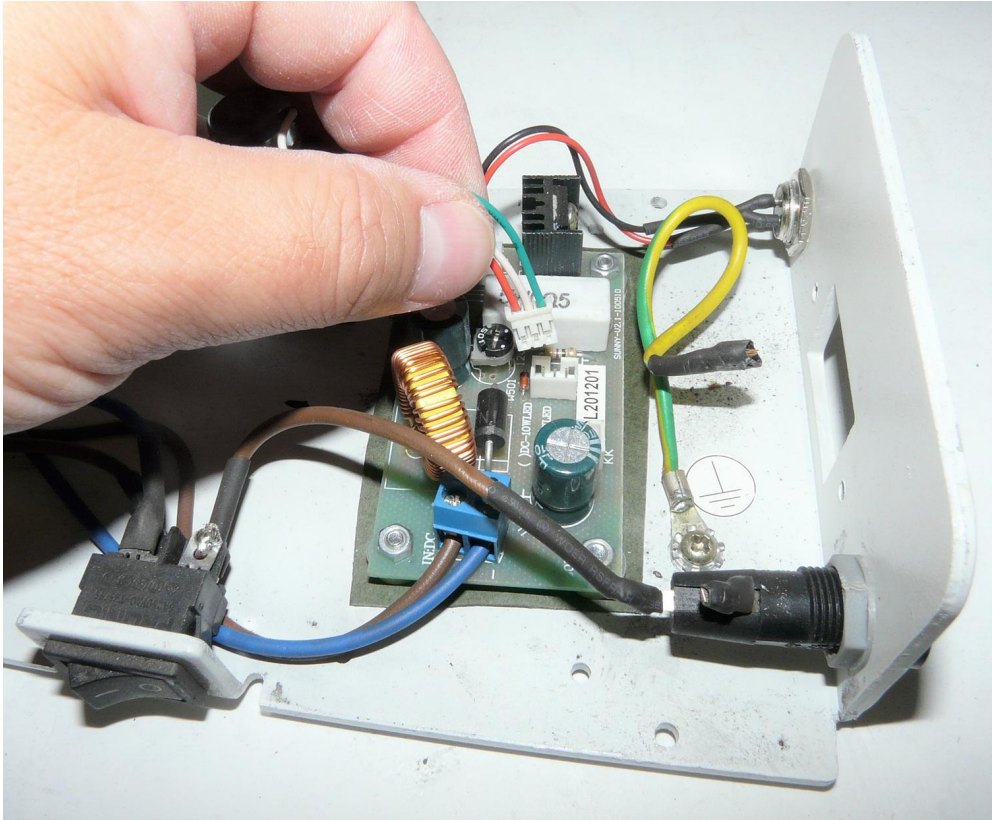
Nanodyne Replacement Illuminator for AmScope ME1200TA Microscope Installation Instructions: Step 3. Remove Old AC Power Receptacle and OEM Adjustment Pot.



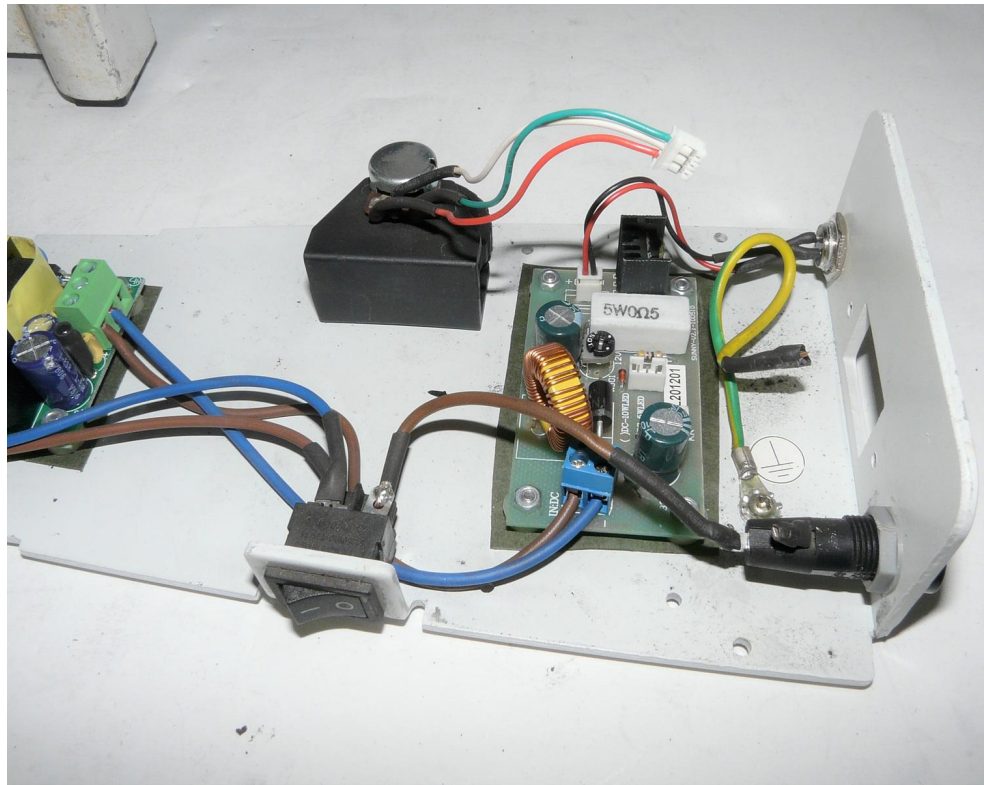
(1) Loosen the 2 screws holding AC power receptacle using screw driver. Keep the screws for later.



(2) Completely remove AC power receptacle out of the microscope. Nanodyne pot plate will replace it.



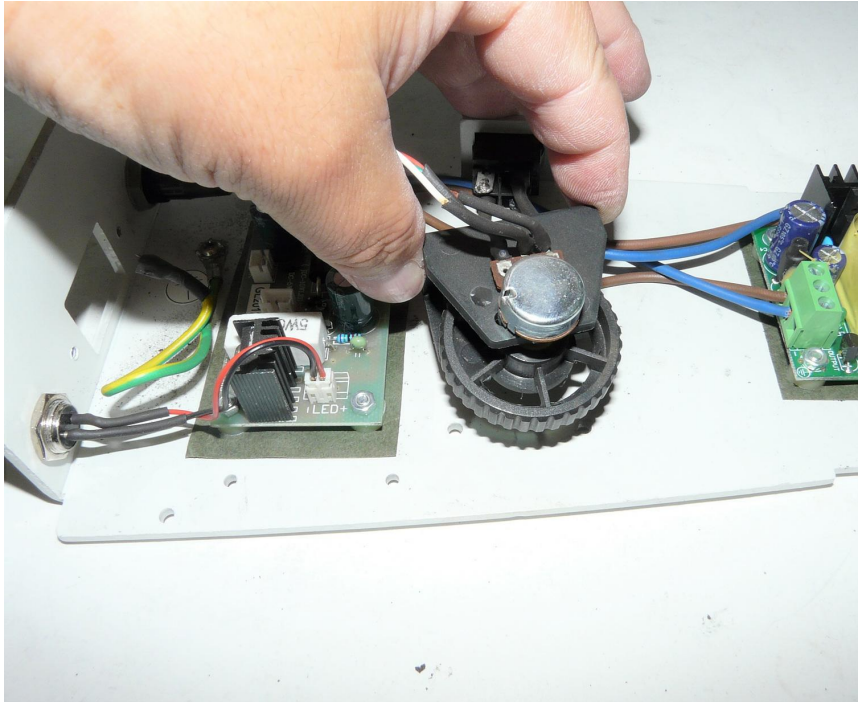
(3) Disconnect the OEM pot cable.



(4) Loosen the 2 screws holding black plastic bracket for OEM pot using screw driver. Keep the screws for later.

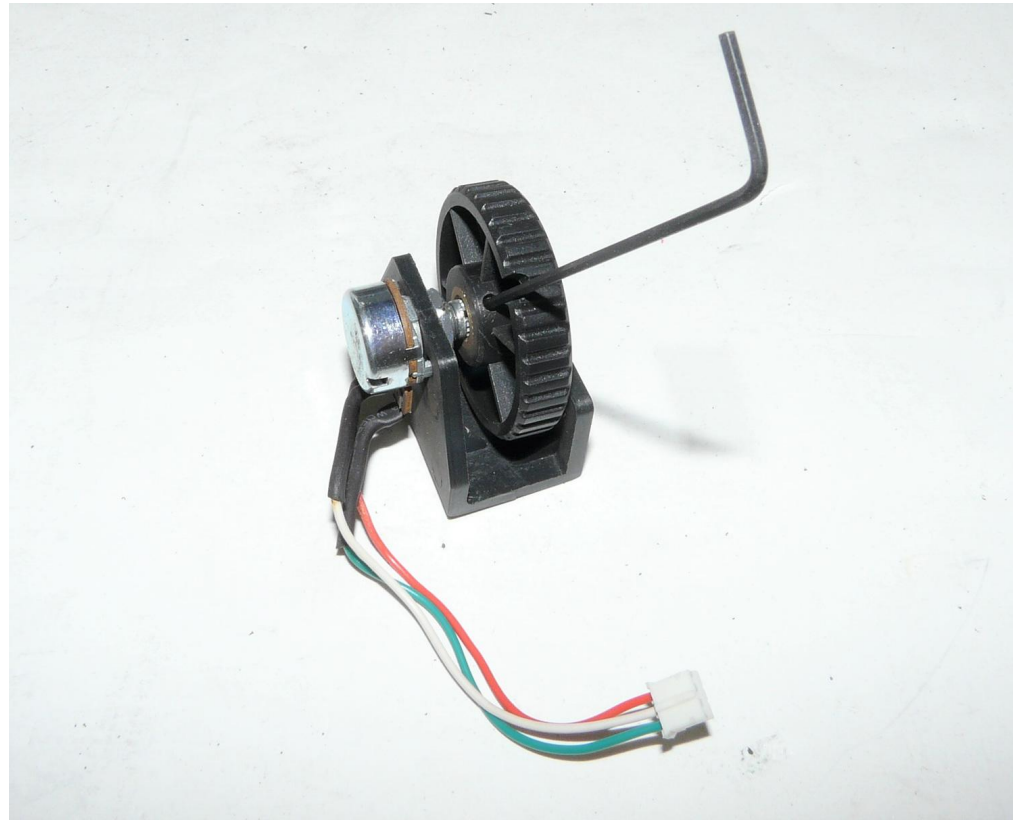


(5) Remove the bracket.



(5) Remove the bracket.

Nanodyne Replacement Illuminator for AmScope ME1200TA Microscope Installation Instructions: Step 4. Remove OEM Adjustment Pot and install a new Pot.



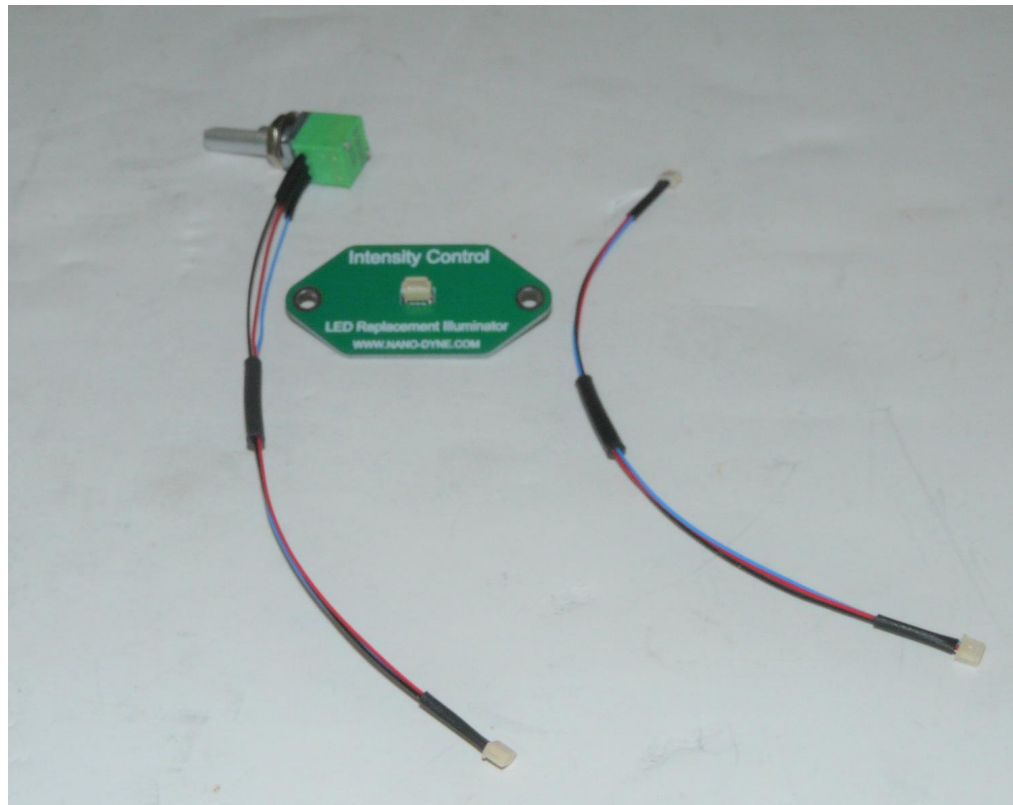
(1) Loosen the set screw using the 1.5mm hex key provided.



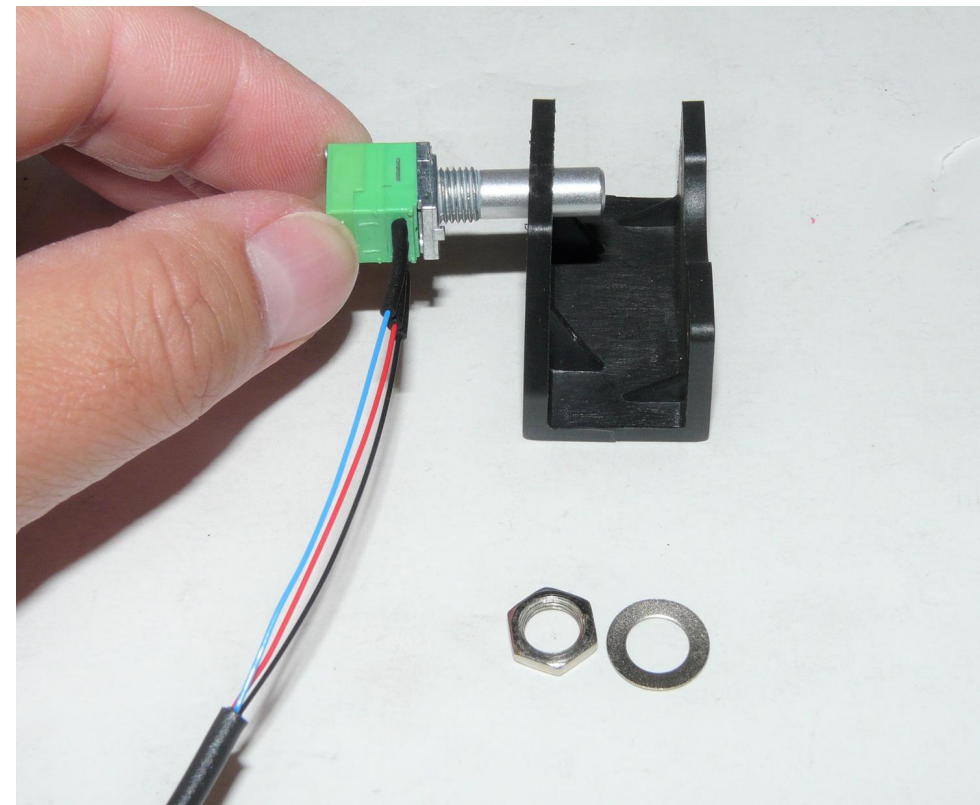
(2) Unscrew the nut holding the OEM pot, using a 10 mm hex wrench.



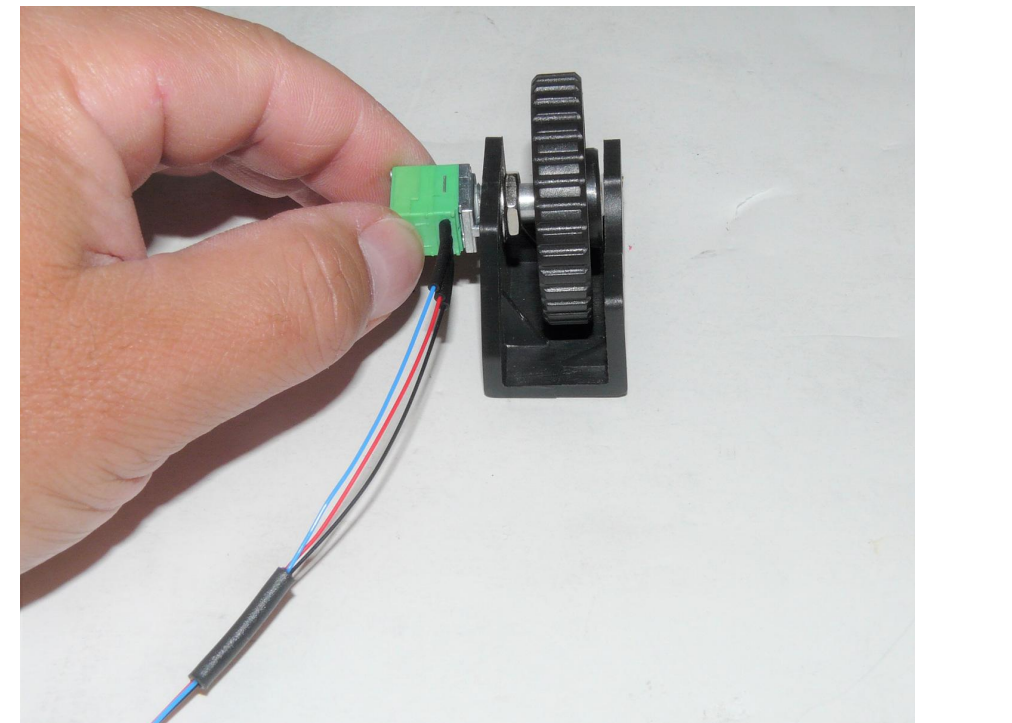
(3) Remove the knob and save it for the new pot.



(4) PN 11765 Pot plate cable assembly.

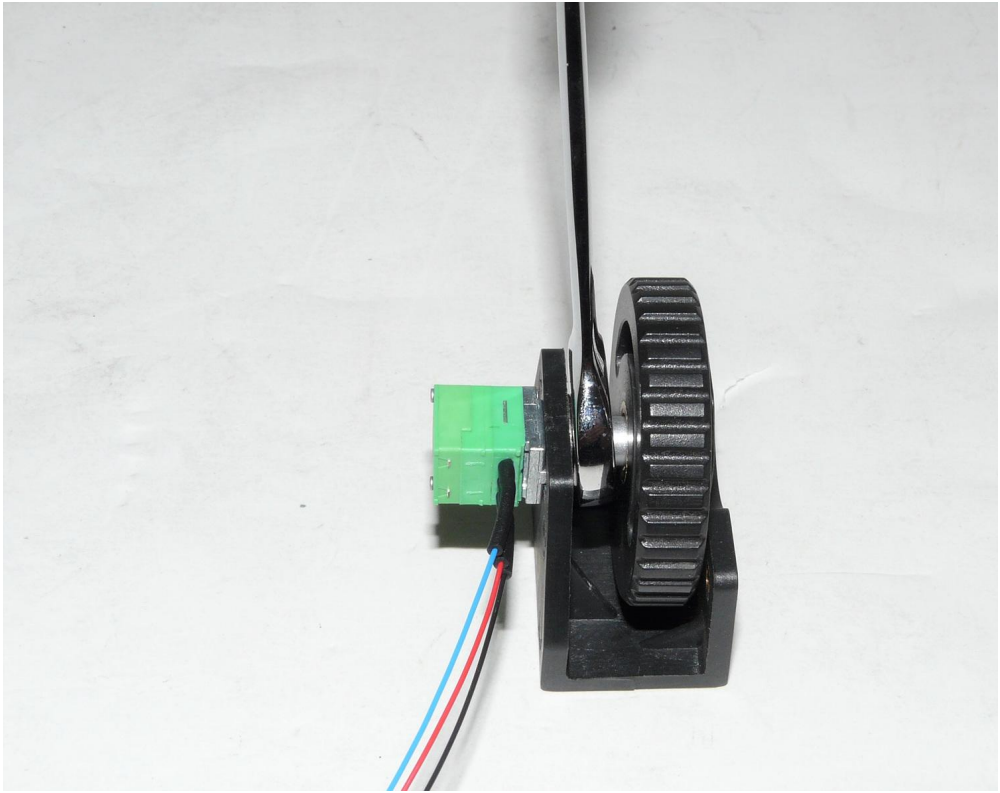


(5) Secure the new pot in place with the nut and washer provided.

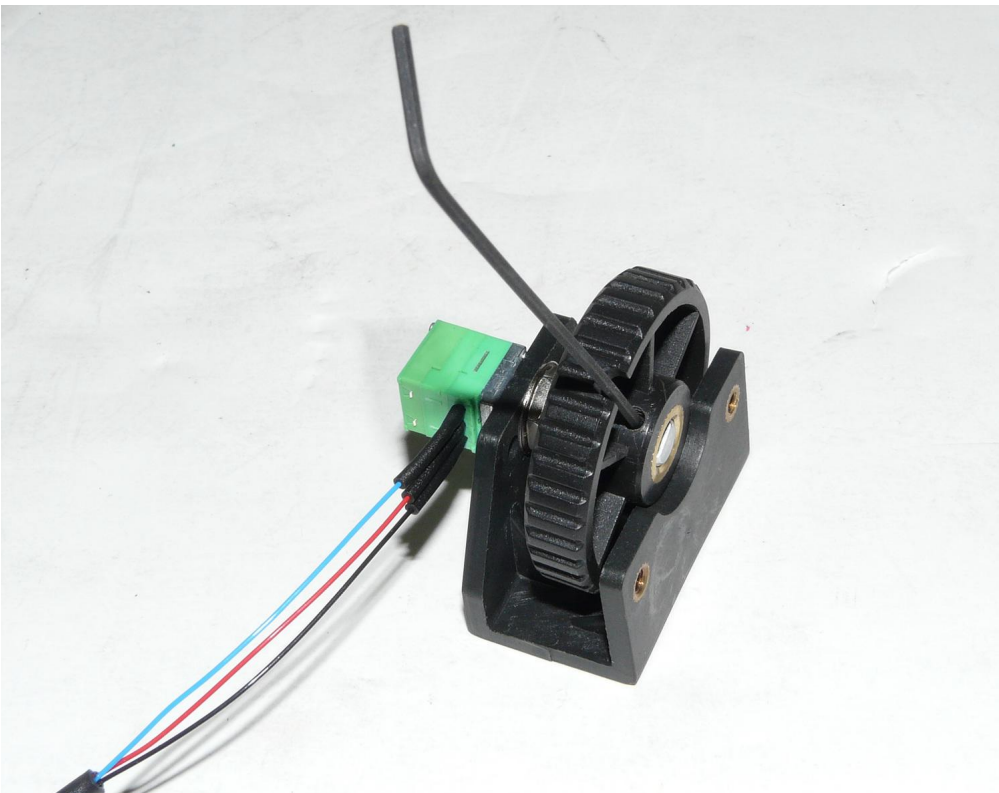


(6) Insert the knob on the new pot.

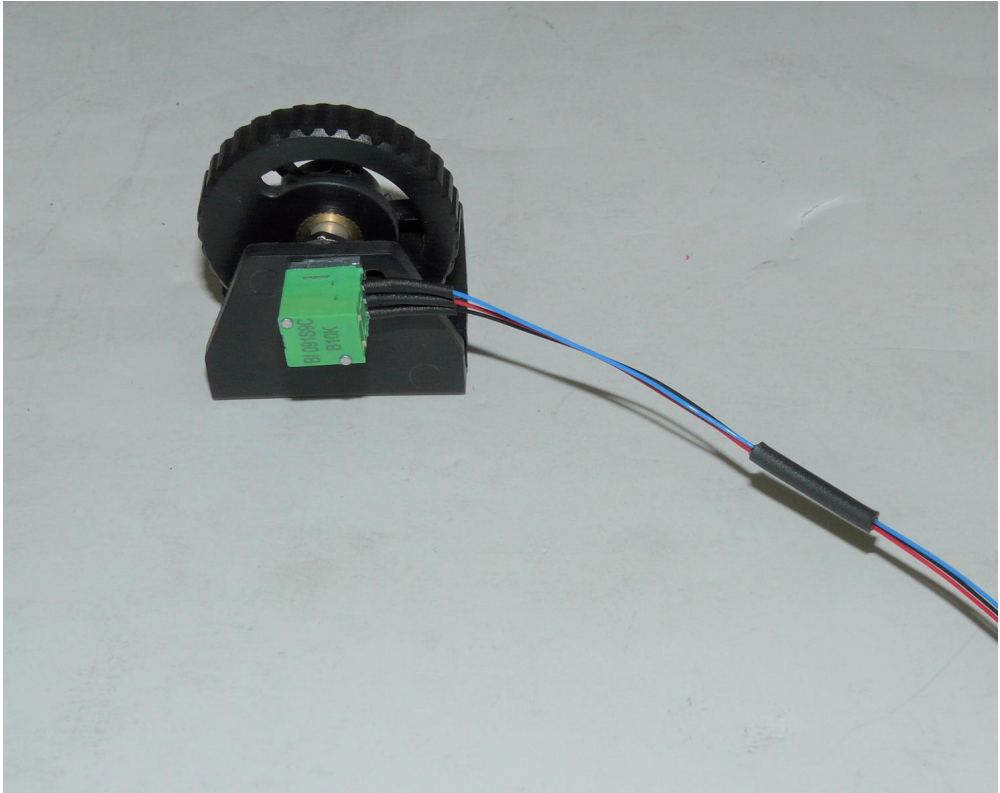
Nanodyne Replacement Illuminator for AmScope ME1200TA Microscope Installation Instructions: Step 5. Install New Pot and Replace Pot Knob.



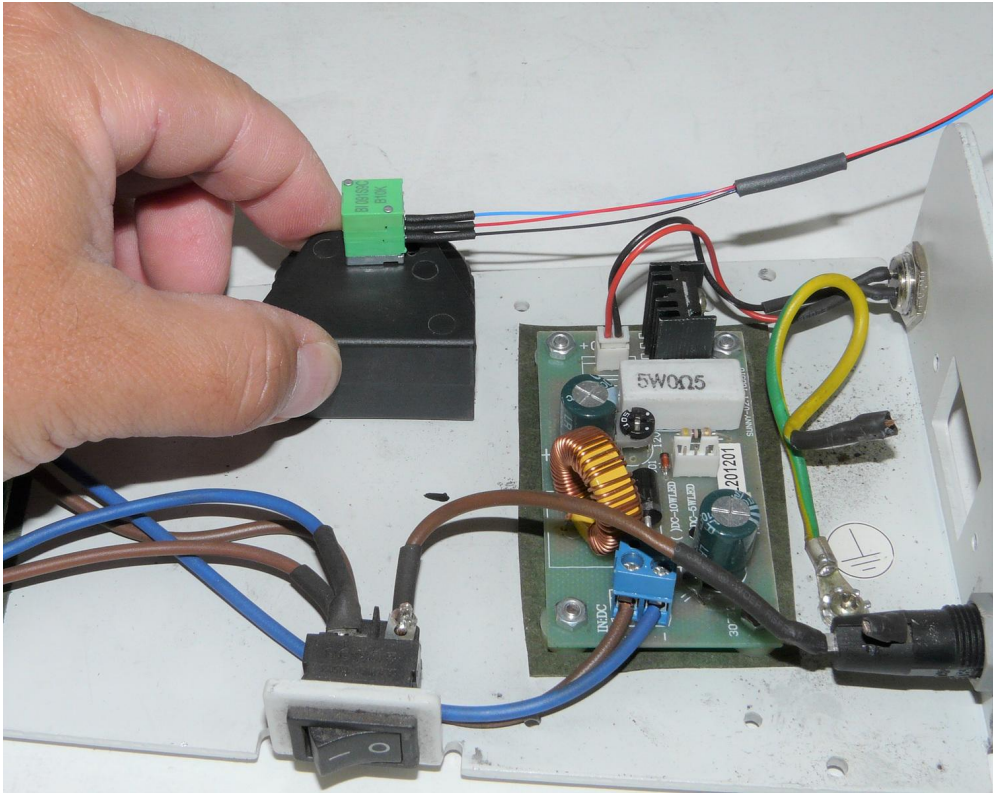
(1) Tighten the nut holding the new pot, using a hex wrench.



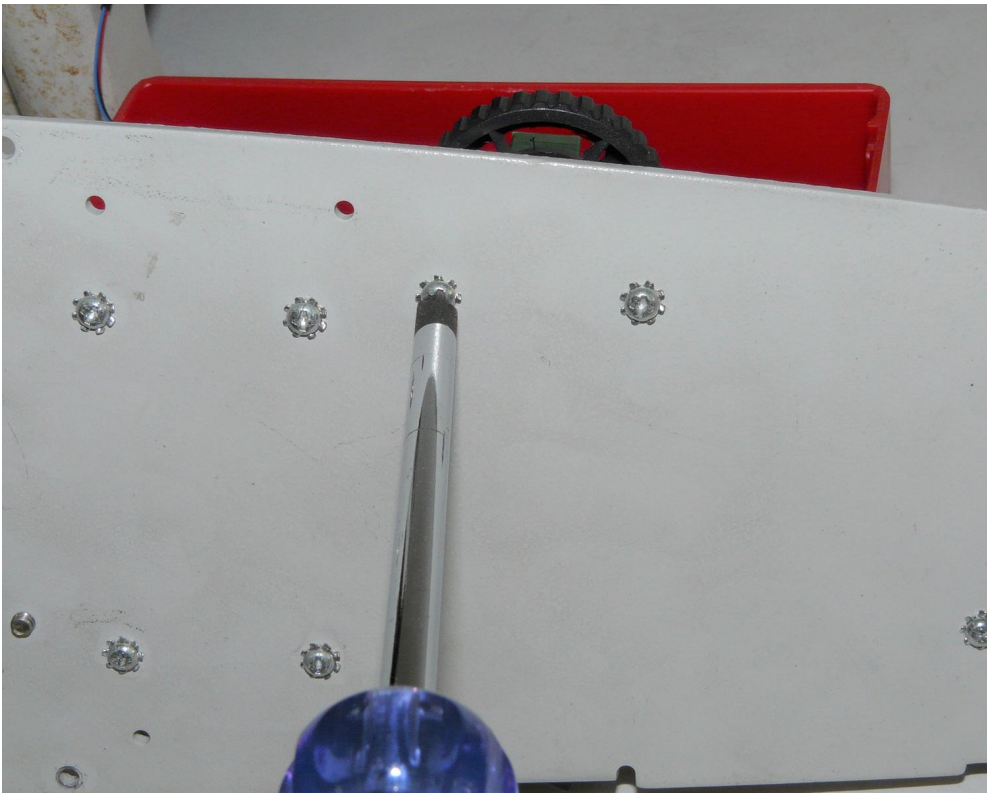
(2) Reinstall the knob on the new pot using the 1.5mm hex key provided.



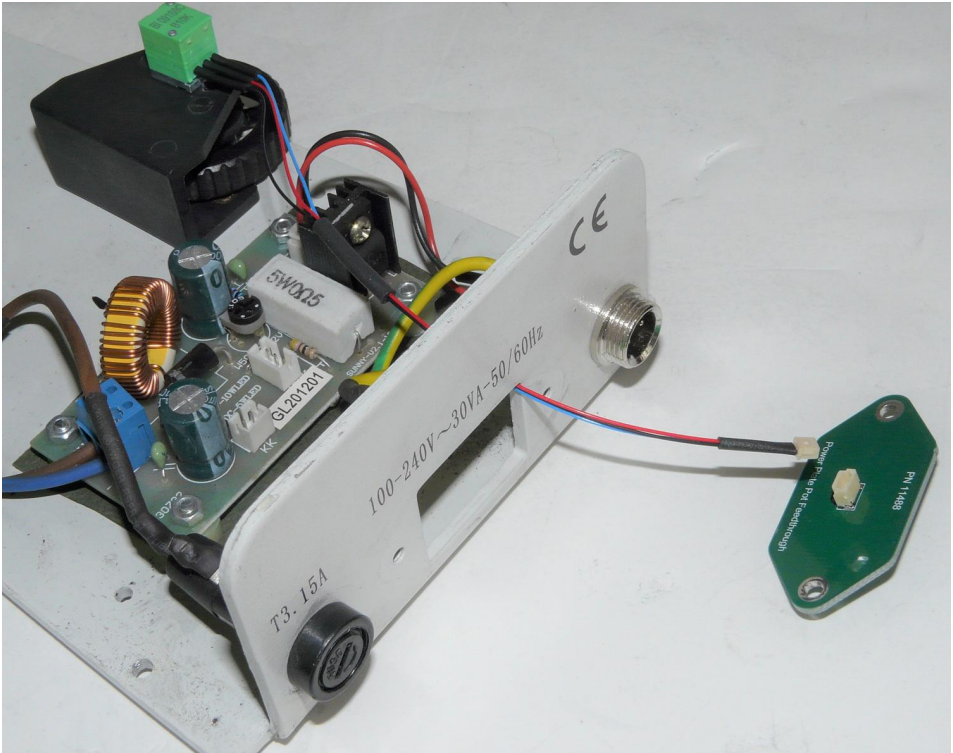
(3) New adjustment pot installed.



(4) Secure the black plastic bracket holding the new adjustment pot back in place.

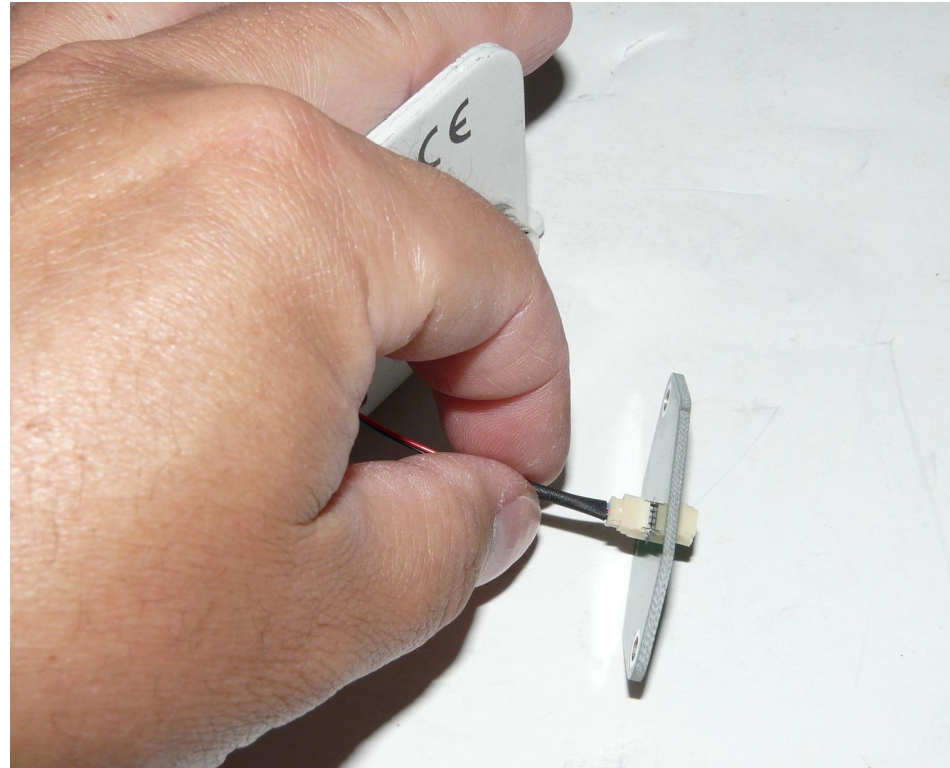


(5) Tighten the 2 original screws saved.

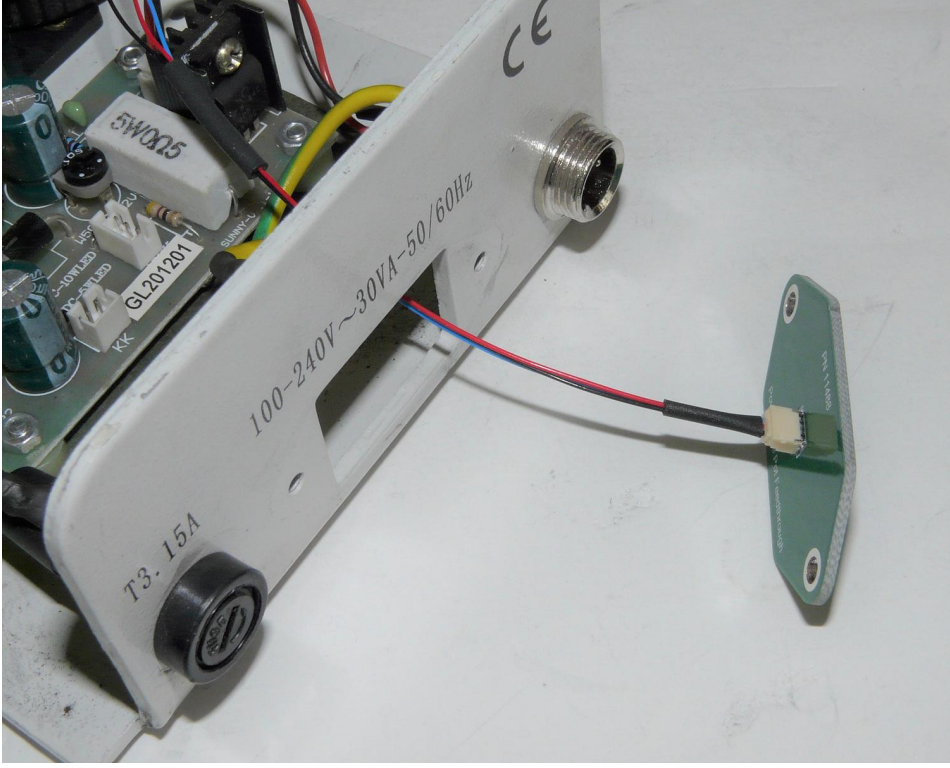


(6) Route and insert the new pot cable through the AC power receptacle hole.

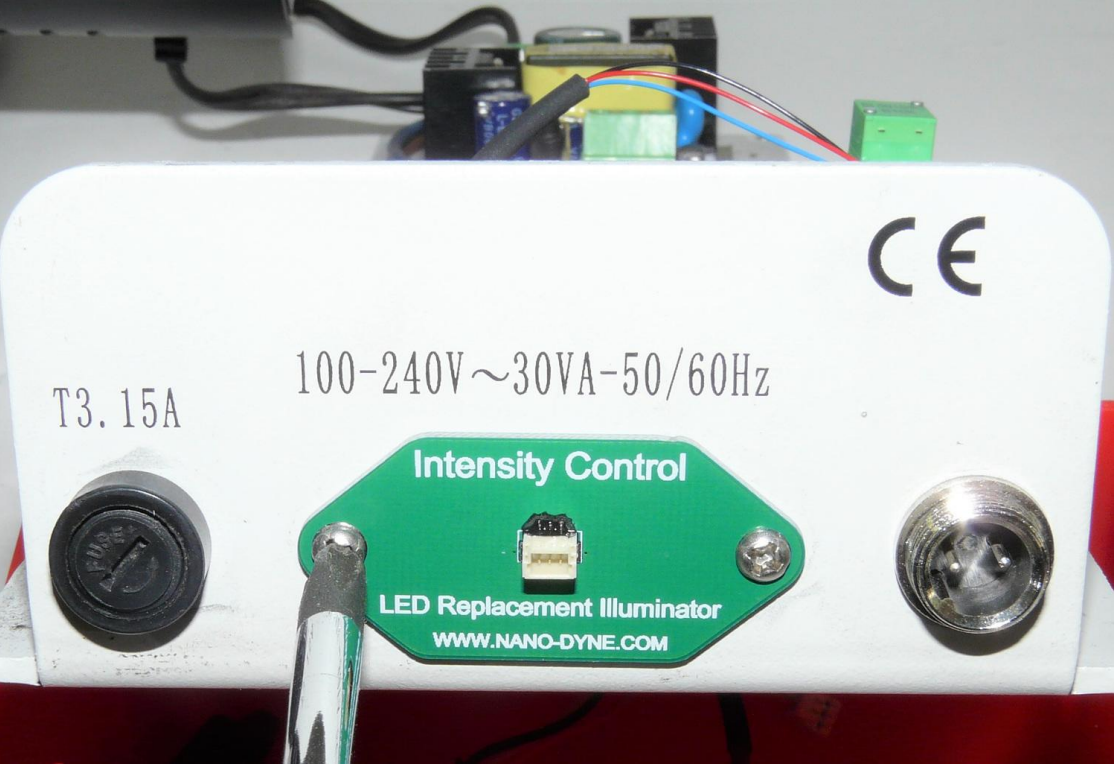
Nanodyne Replacement Illuminator for AmScope ME1200TA Microscope Installation Instructions: Step 6. Route Pot Cable, Install Pot Plate and Bottom Cover.



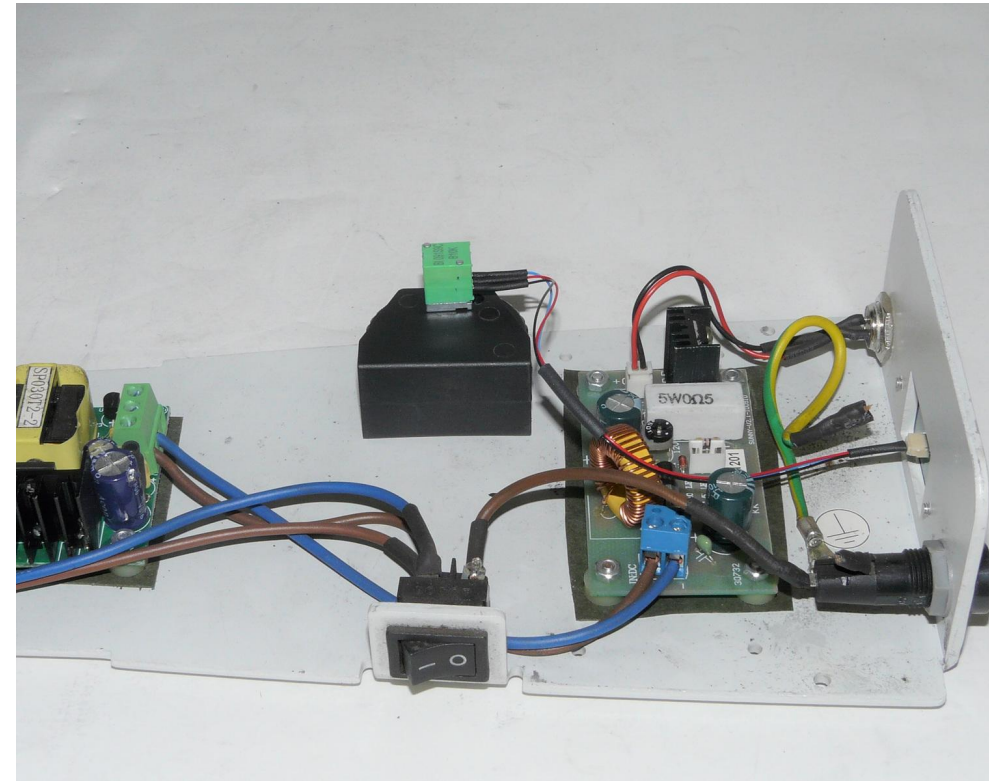
(1) Connect the pot cable to the PN 11488 pot plate.



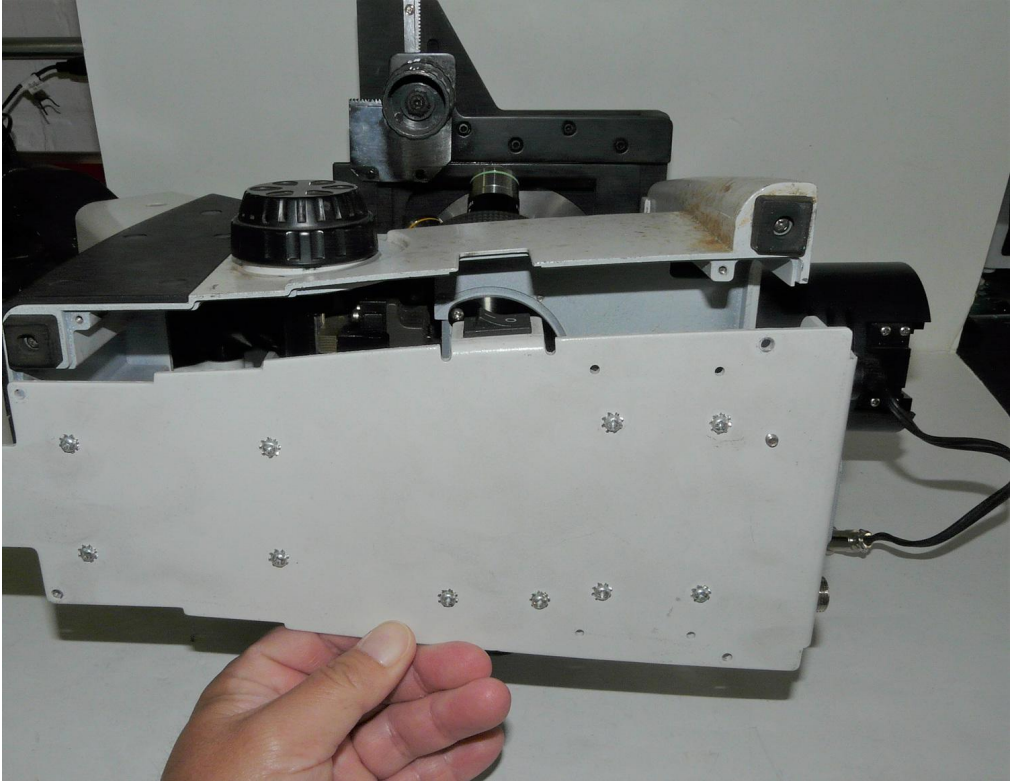
*Note that the pot connector fits only one way. Detailed pot cable connection procedure is shown on the next page (sheet 8).



(2) Install the PN 11488 pot plate. Tighten the 2 original screws saved.



(3) New pot plate cable assembly installed.



(4) Replace the bottom cover.



(5) Tighten the 4 original screws saved.

Nanodyne Replacement Illuminator for AmScope ME1200TA Microscope Installation Instructions: Pot Cable Connection Details

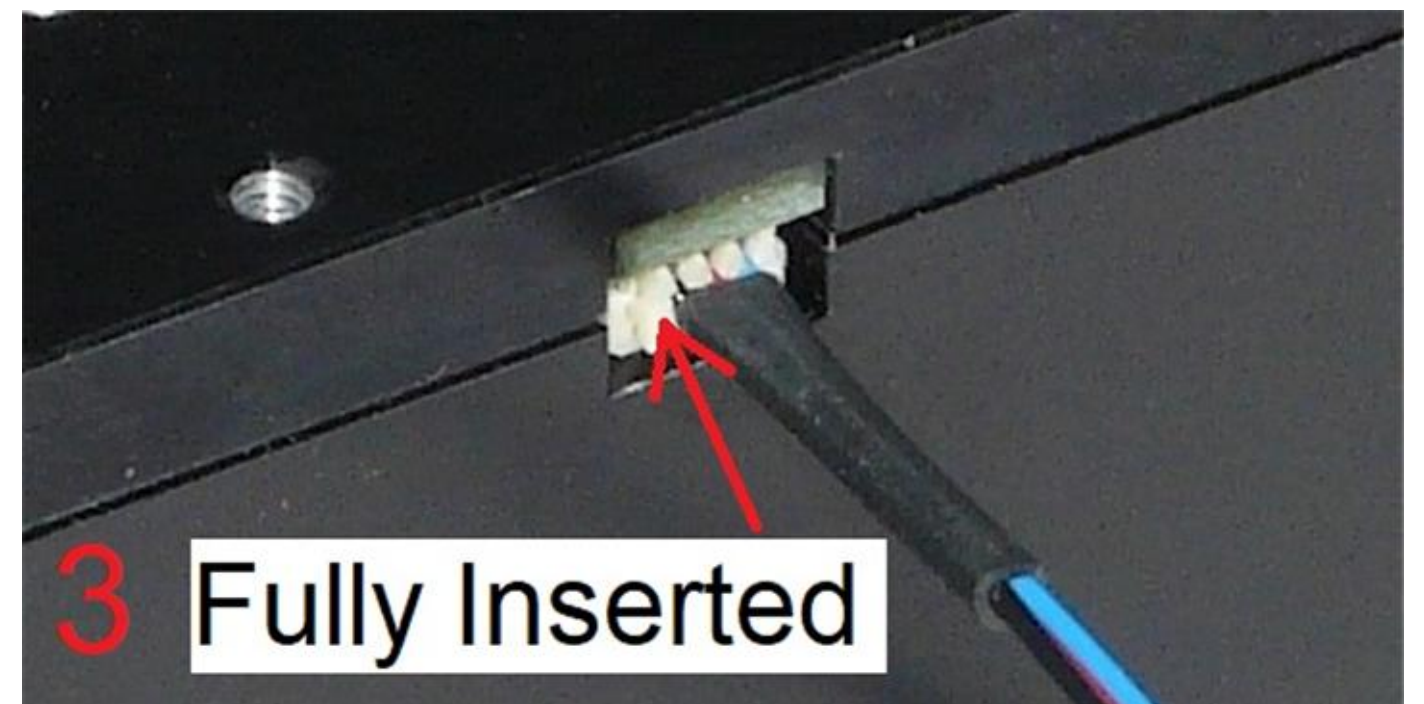
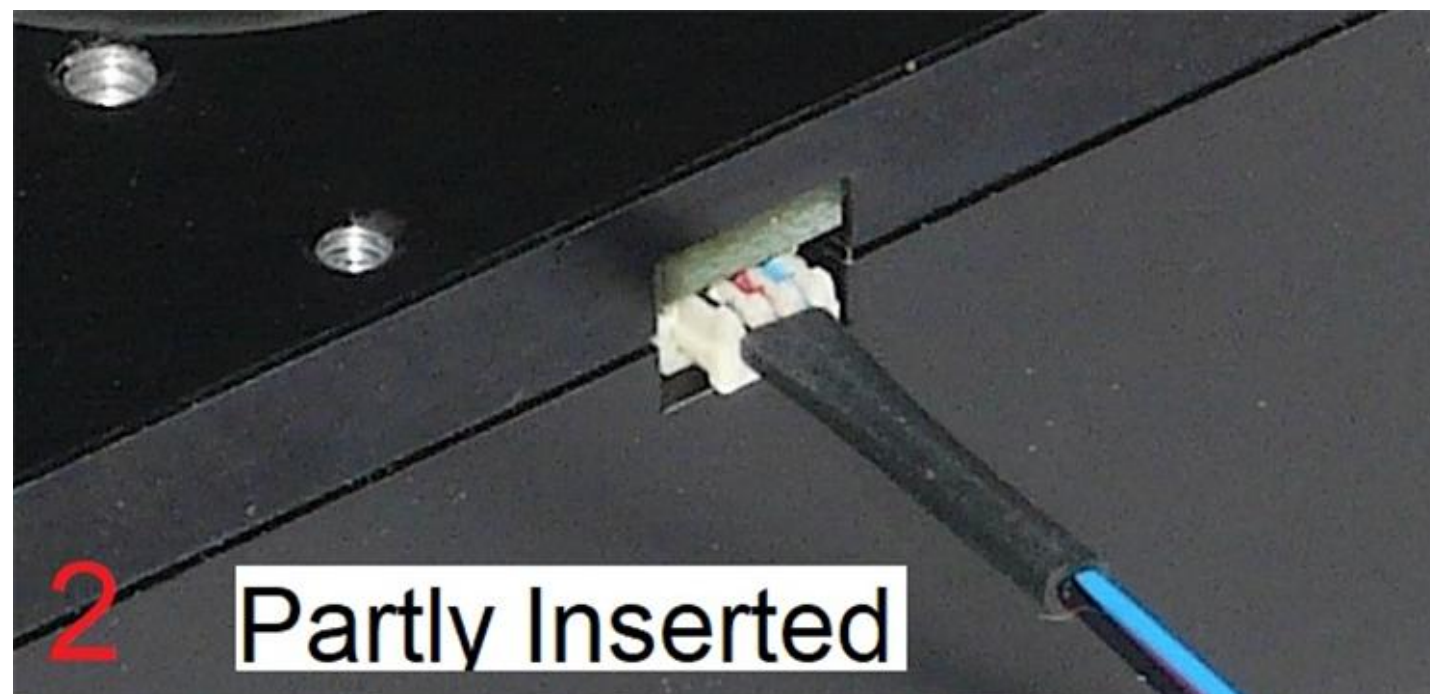
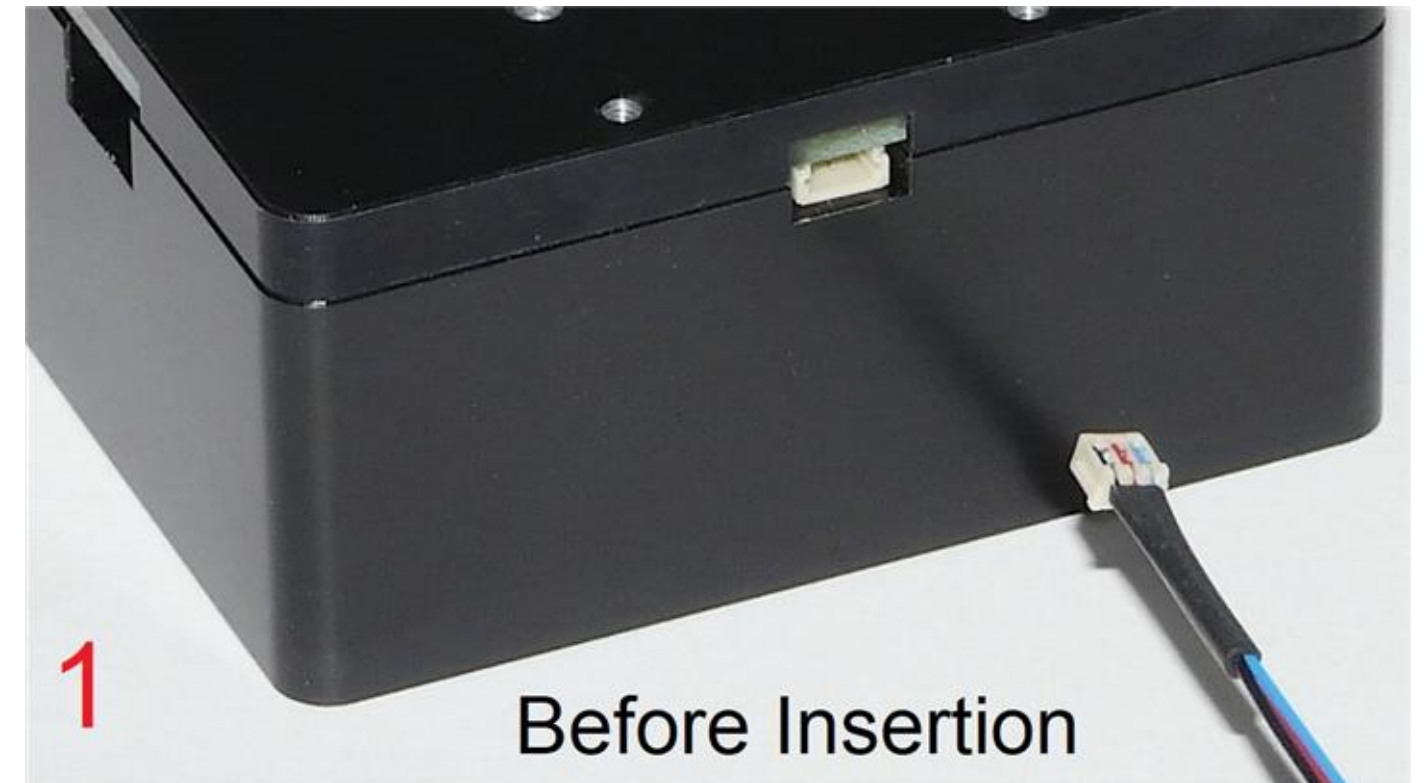
Connect the plug at the end of the Pot Cable Assembly to the mating socket of the illuminator, as shown in the pictures on this page. NOTE THAT THE PLUG IS KEYED TO ONLY GO INTO THE SOCKET ONE WAY, AS SHOWN.

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.

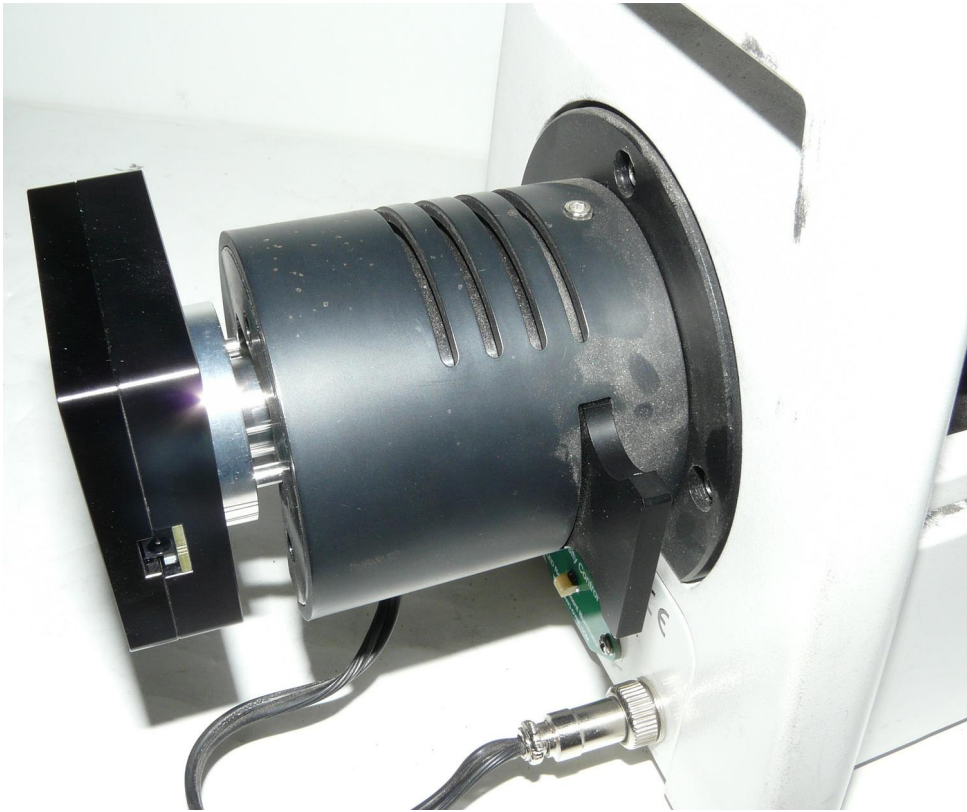
To disconnect it if needed, pull the wire straight out by firmly gripping the black heat shrink tubing.



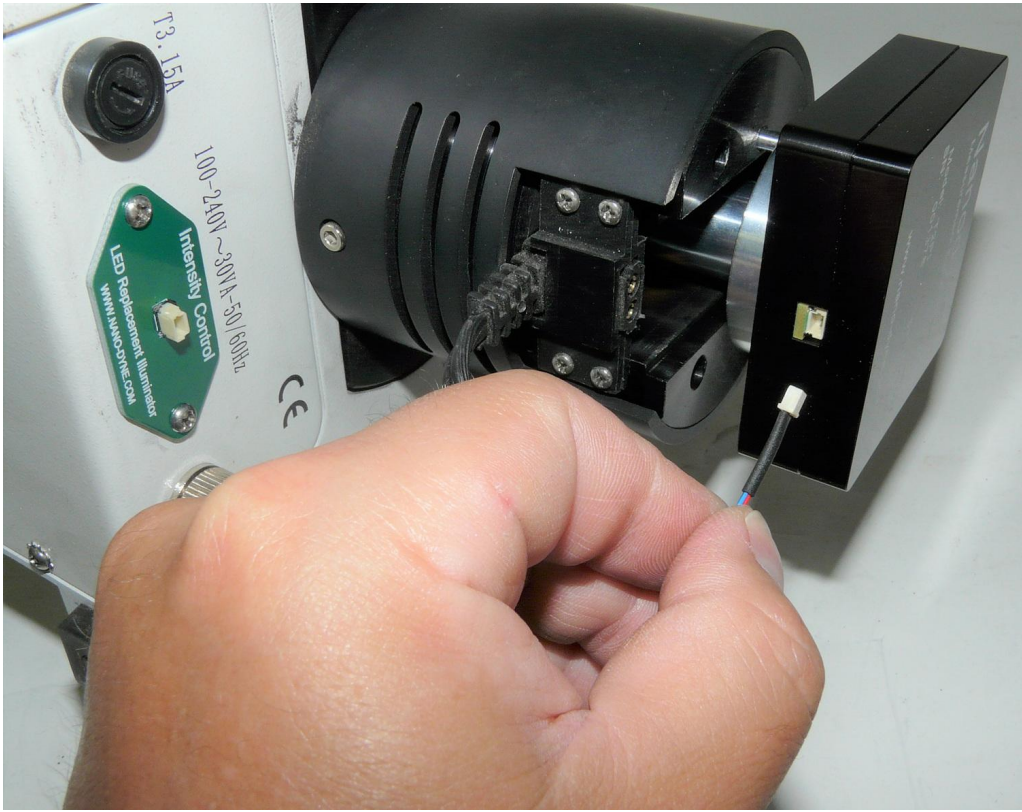
Nanodyne Replacement Illuminator for AmScope ME1200TA Microscope Installation Instructions: Step 7. Install Nanodyne Illuminator and connect Pot Cable.



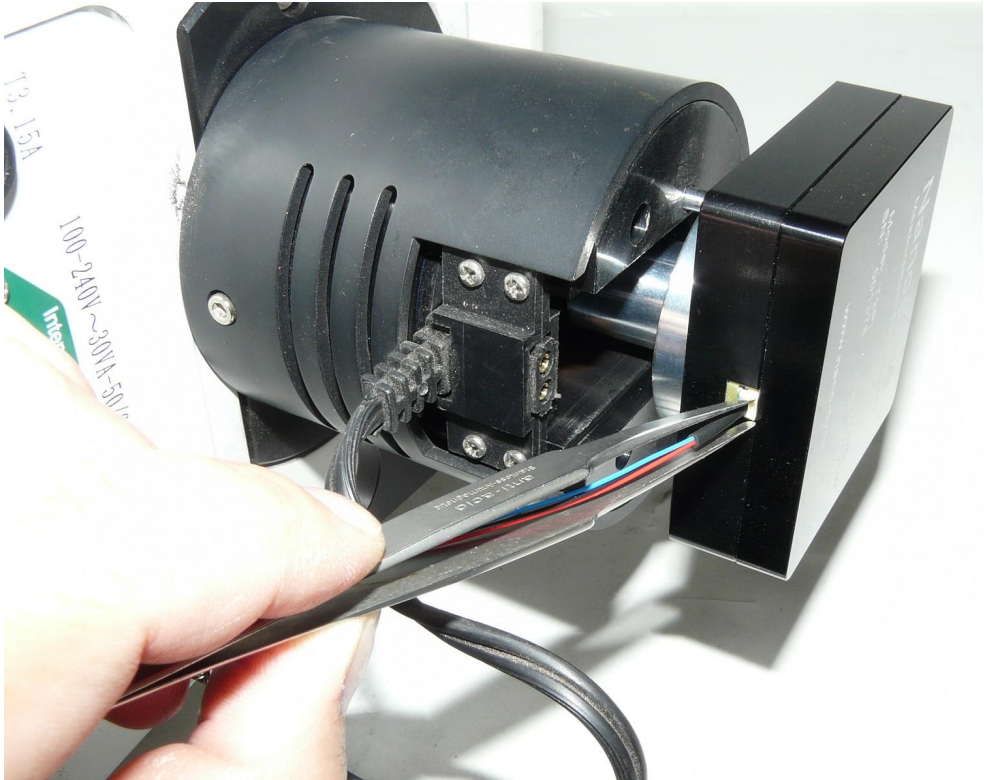
(1) Insert the new illuminator.



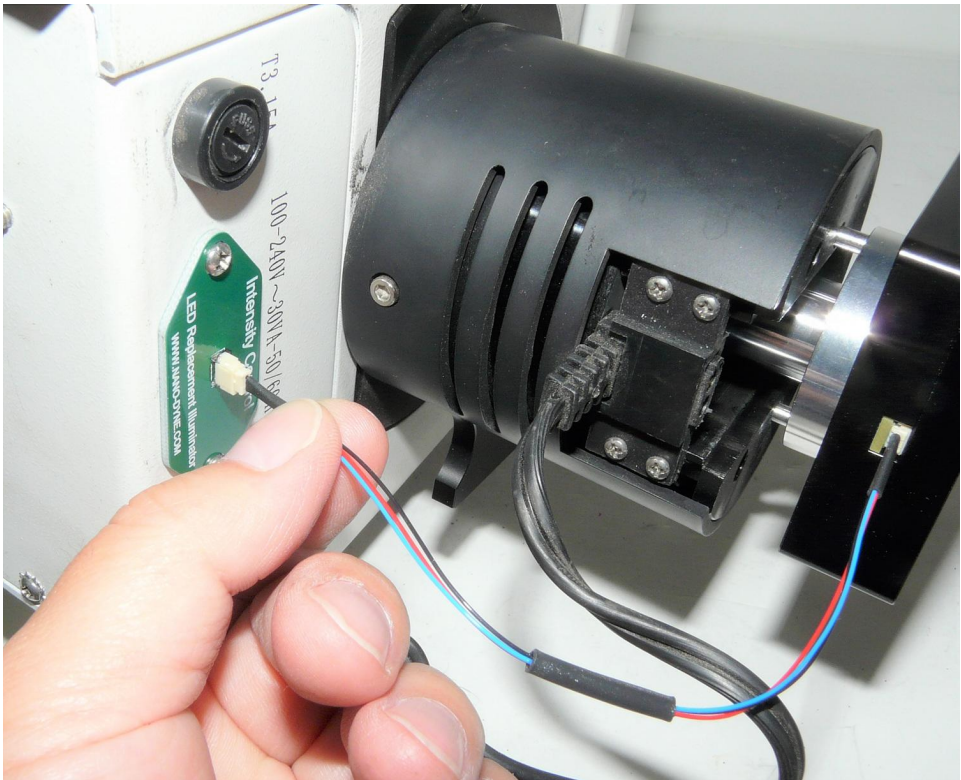
(2) Fully inserted Nanodyne illuminator.



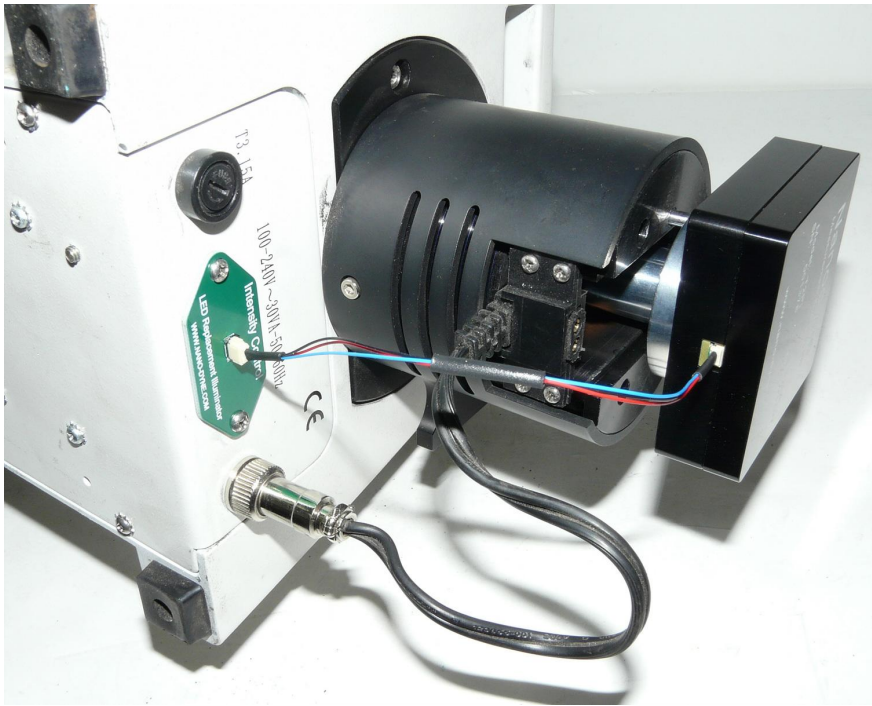
(3) Connect the short pot cable provided to the illuminator.



(4) Use tools like a tiny screwdriver or tweezers pushing on the side of the plug to fully insert it if needed.

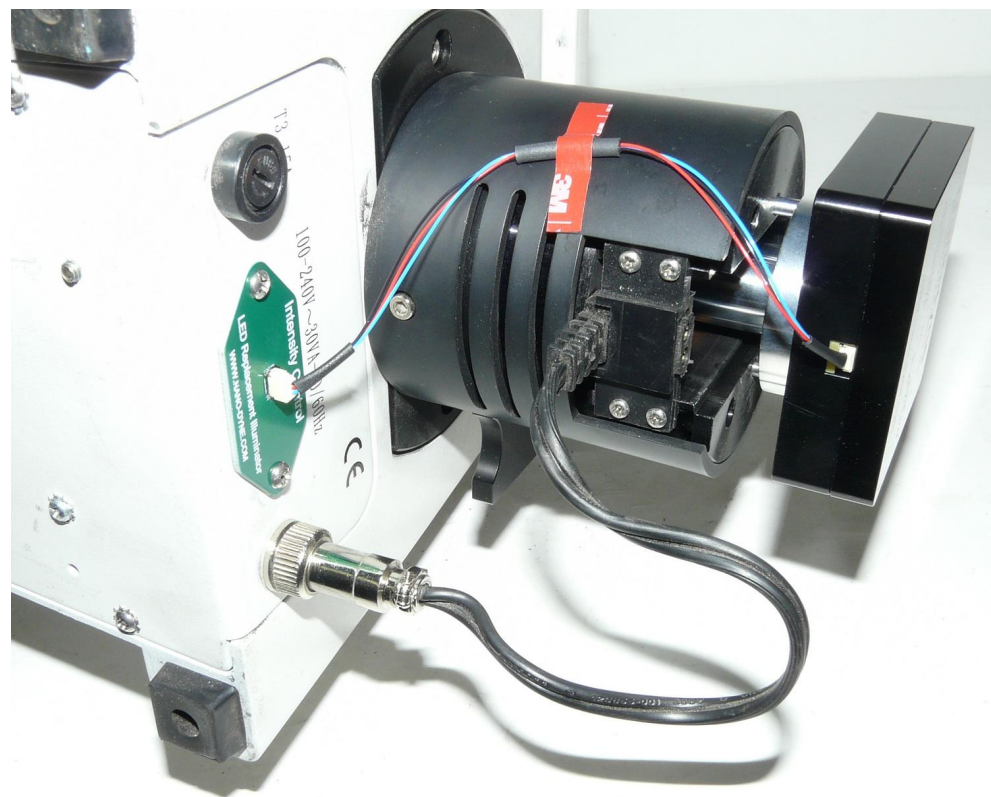


(5) Connect the pot cable provided to the PN 11488 pot plate.



(6) Also use small tools to fully insert it if needed.

Nanodyne Replacement Illuminator for AmScope ME1200TA Microscope Installation Instructions: Step 8. Secure Pot Cable and Plug in Power Supply.



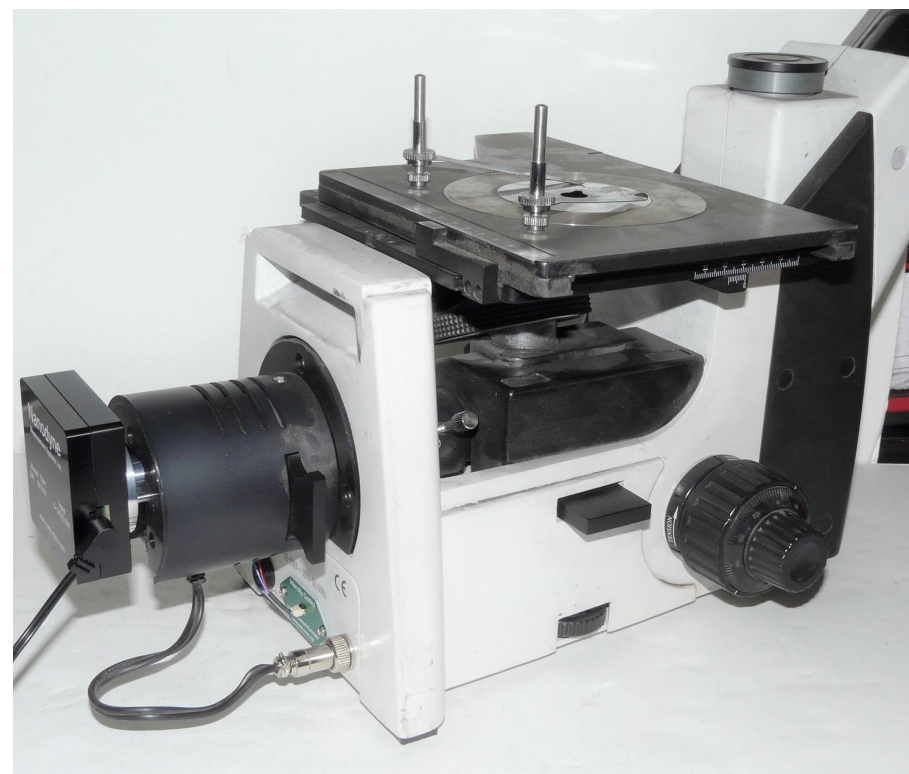
(1) Secure the pot cable with the 3M VHB tape provided (red, in above photos).



(2) The OEM illuminator power cable is now obsolete. Keep or remove it as needed.



(3) Connect the USB end of the power cable to the power supply. Plug in the other end of the power cable to the illuminator.



(4) Plug the power supply into an AC outlet.



(5) Now the illuminator is ready for use.