

Nanodyne Replacement Illuminator for Diagnostic Instruments TLB D4.1 Microscope Base: Included Items

Additional Items Included But Not Shown:

- PN 10709 Hex Key 3/32 Short Arm (for 4-40 screws)
- PN 11564 Hex Key 7/64 Long Arm (for 6-32 screws)

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.



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.

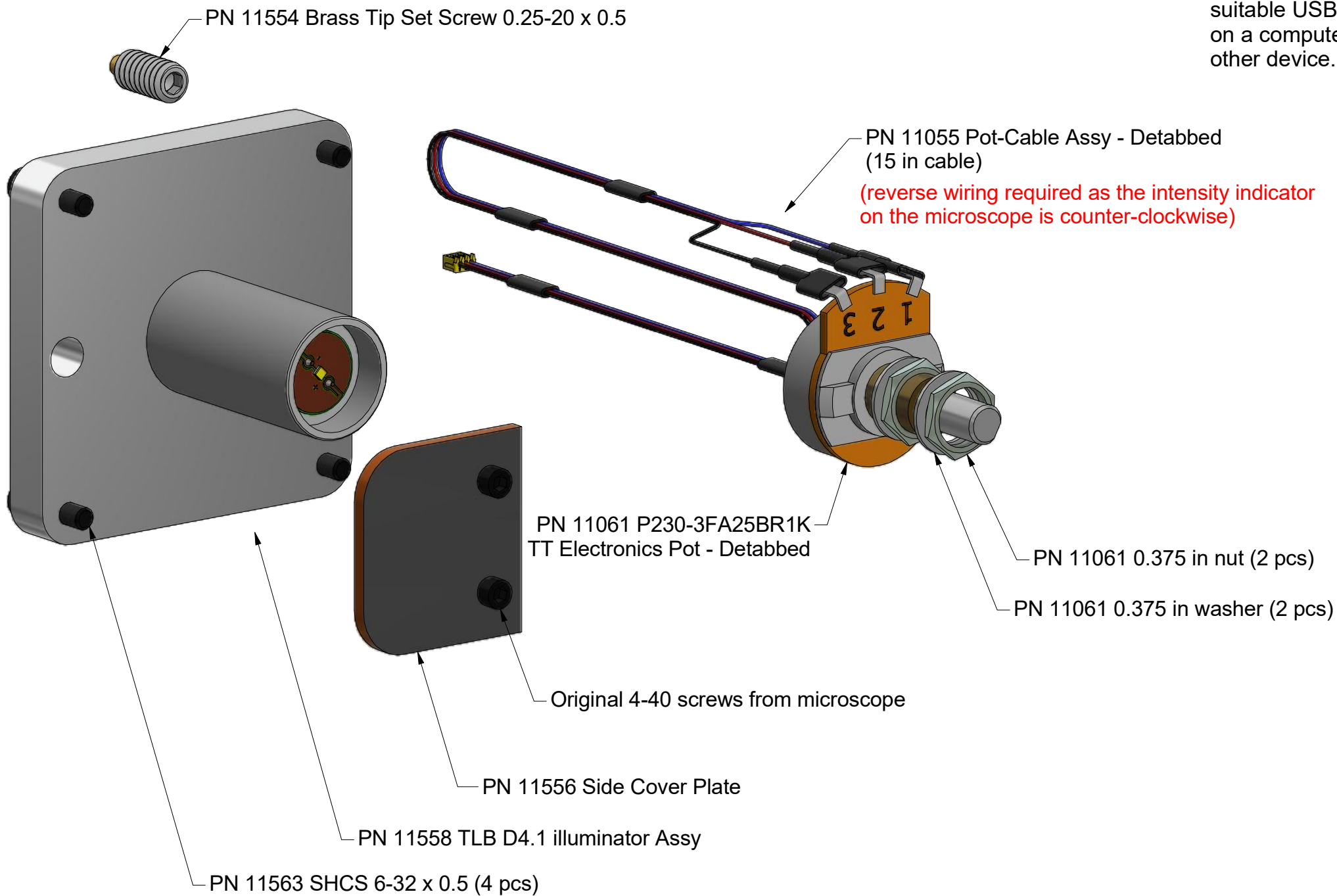
Power supplies are subject to substitution without notice due to availability issues and changes in regulations.



Tape to secure wires.



PN 10736 Rubber plug to block unused AC power receptacle.



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Nanodyne Replacement Illuminator for Diagnostic Instruments TLB D4.1 Microscope Base Installation Instructions: Step 1. Remove Old Potentiometer and Electrical Wiring.



photo 1a

The photo 1a shows the microscope base this illuminator system was designed for.



photo 1b

(1) Remove the bottom cover and adjustment knob. Keep the knob to install on the replacement potentiometer.

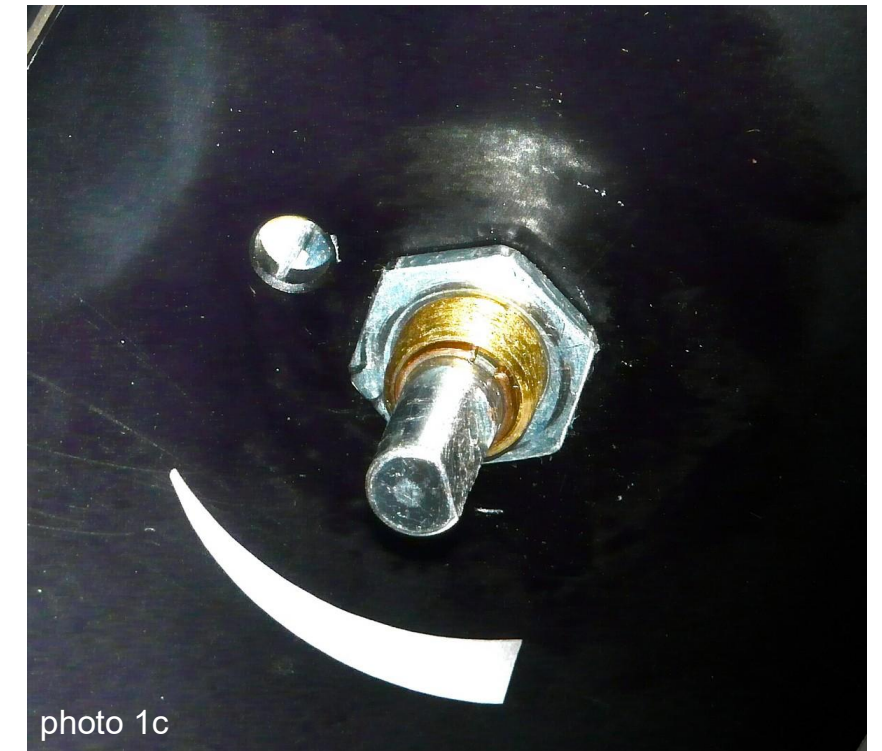


photo 1c

(2) Loosen the nut using a wrench or socket.

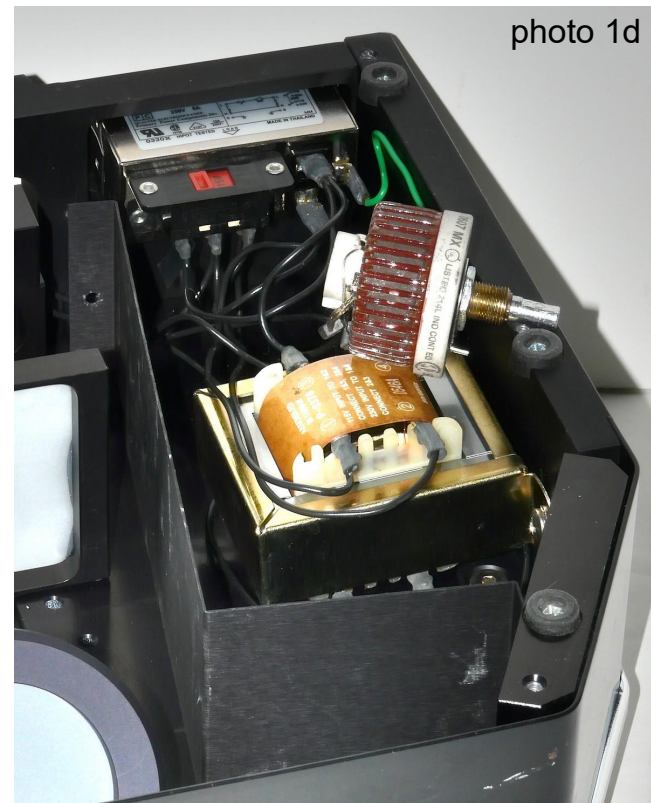


photo 1d

(3) Remove the original potentiometer and black metal shield.

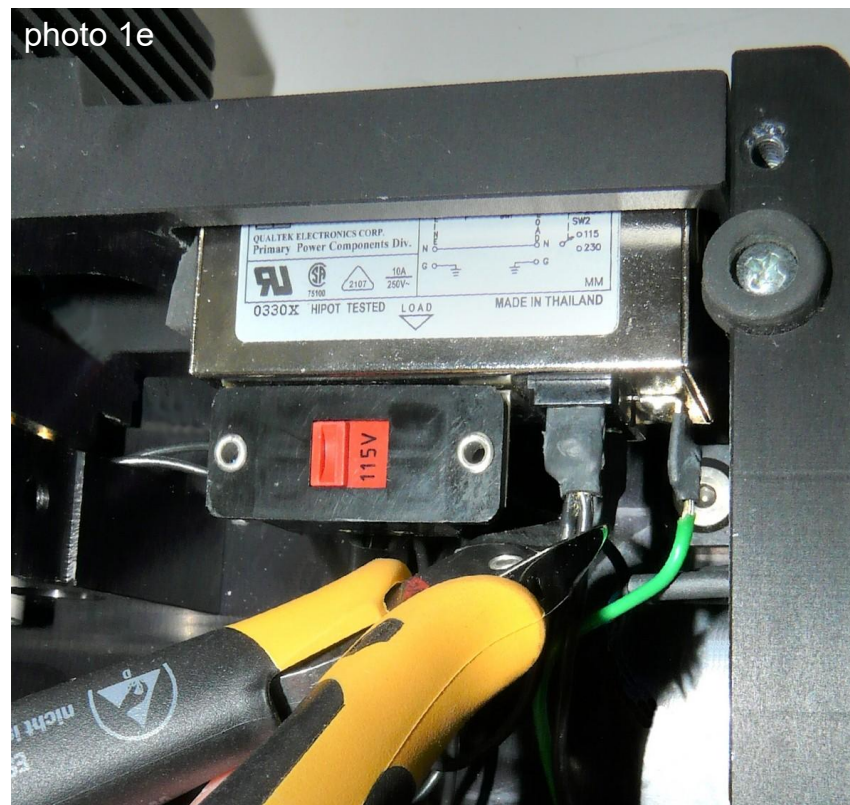


photo 1e

(4) Cut and remove the wire from original power supply assembly.

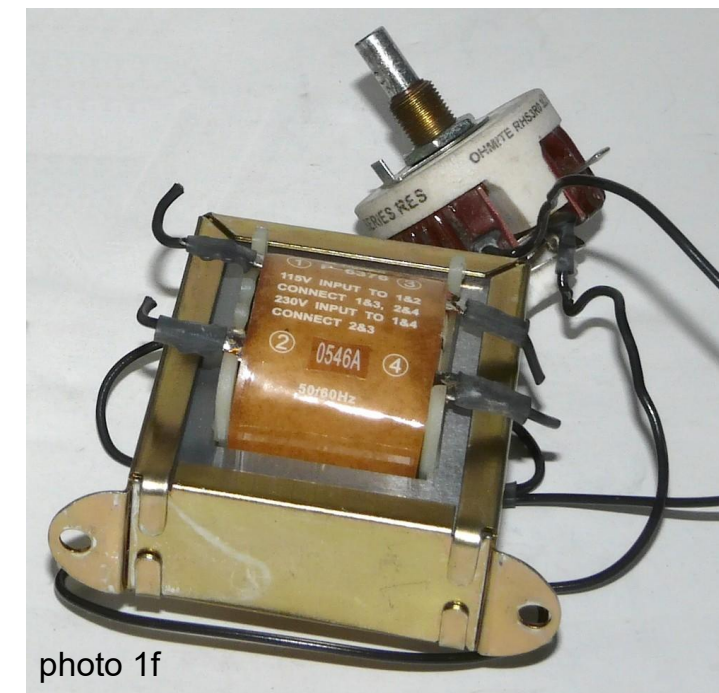


photo 1f

(5) Removing the transformer allows the wiring to be removed intact without cutting anything.

Nanodyne Replacement Illuminator for Diagnostic Instruments TLB D4.1 Microscope Base Installation Instructions: Step 2. Remove Old Lamp Holder Assembly.



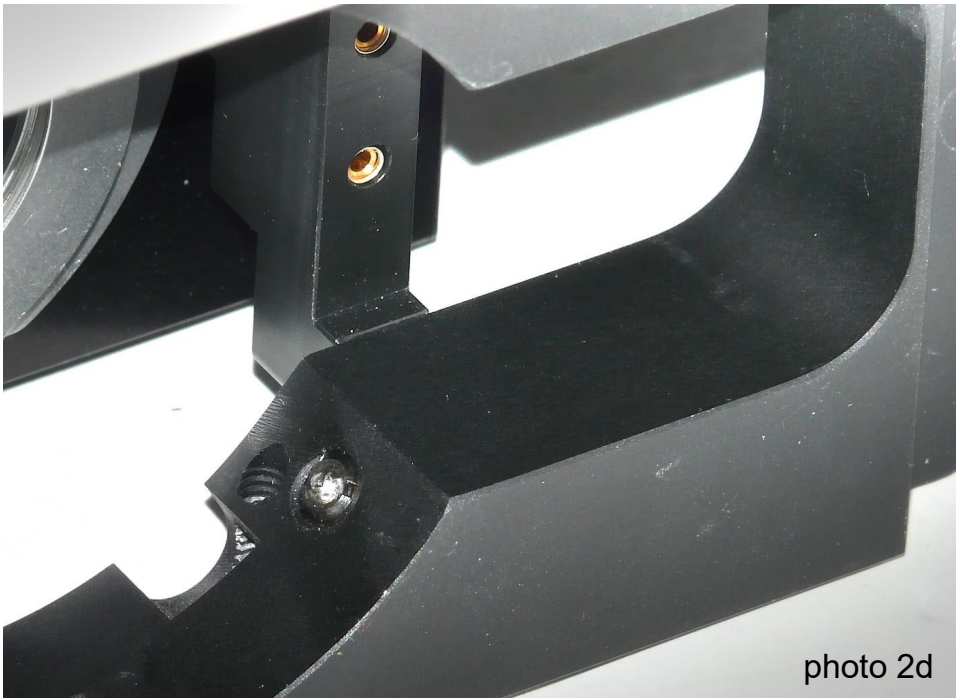
(1) Remove the metal guard from the OEM lamp housing.



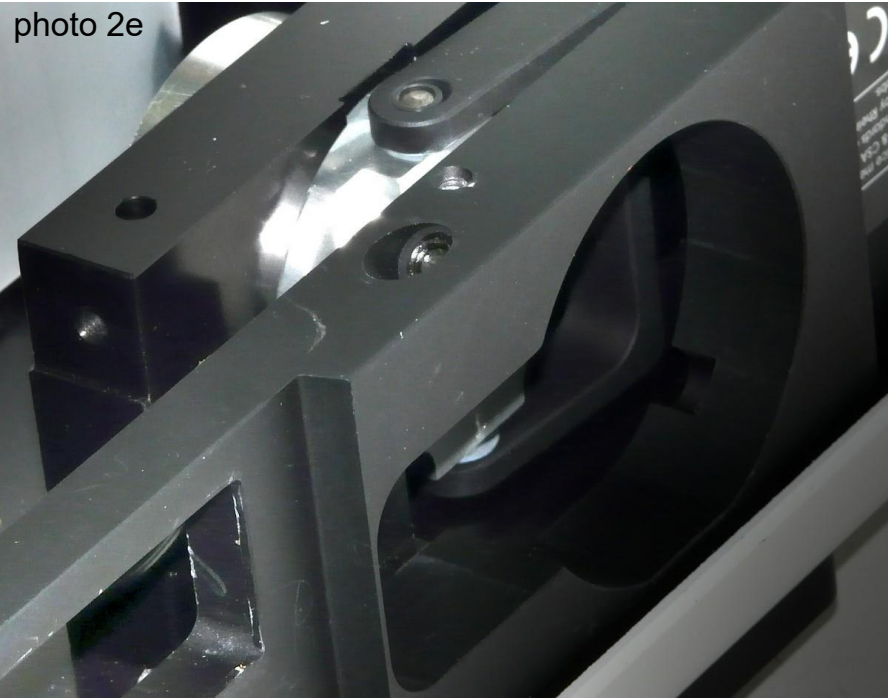
(2) Remove the lamp holder assembly. Keep the two 4-40 screws for later.



(3) Remove the OEM mirror holder as shown above.



(4) Unscrew and remove the OEM set screw.



(5) Removed OEM set screw.

Nanodyne Replacement Illuminator for Diagnostic Instruments TLB D4.1 Microscope Base Installation Instructions: Step 3. Mount Nanodyne illuminator on Old Lamp Holder.

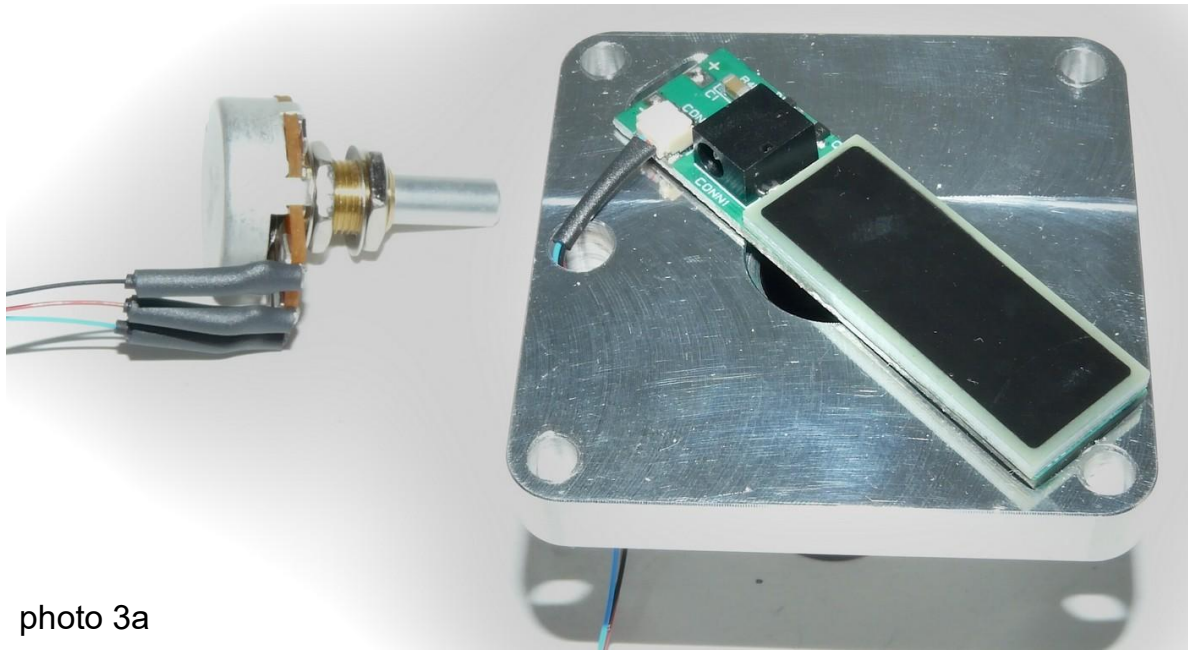


photo 3a

(1) Prepare to attach the Nanodyne illuminator assembly to the original lamp housing. The new illuminator and pot cable were pre-assembled.

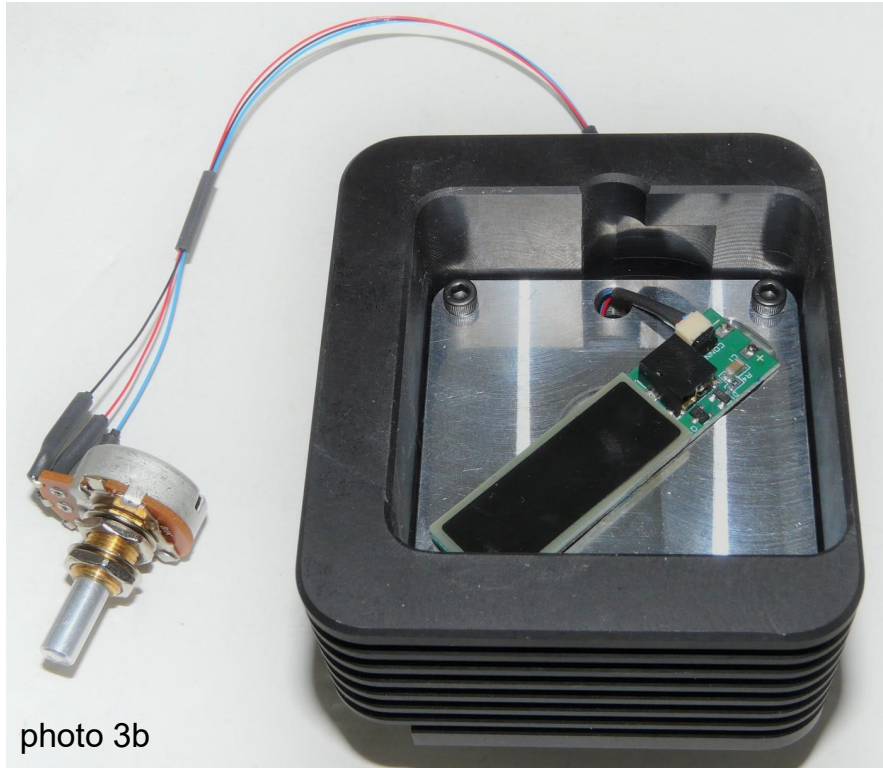


photo 3b

(2) Attach the Nanodyne illuminator assembly with four 6-32 screws provided.

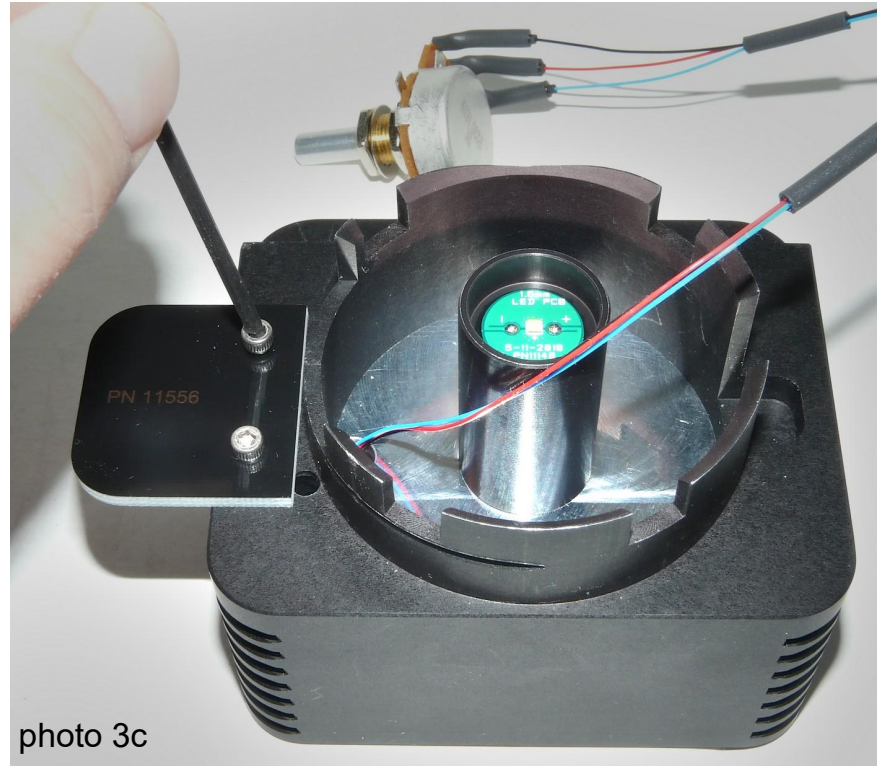


photo 3c

(3) Attach the side cover plate with two OEM 4-40 screws saved.

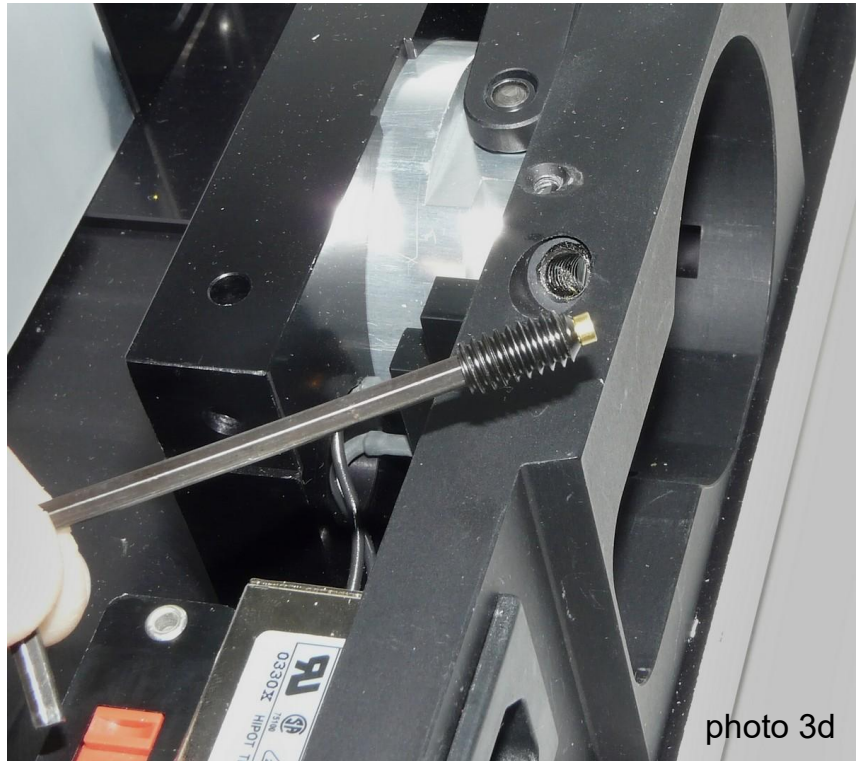


photo 3d

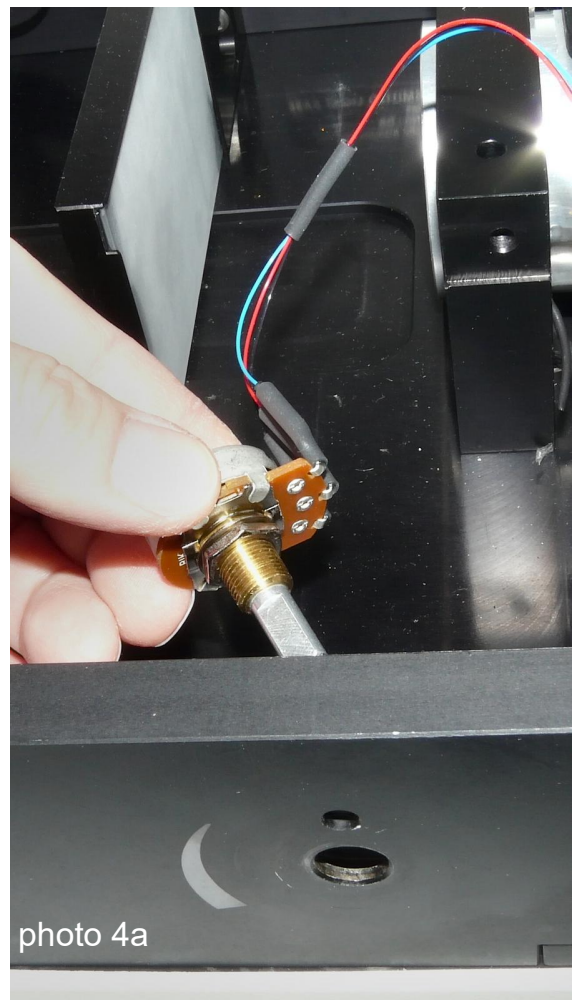
(4) Insert the new set screw provided.



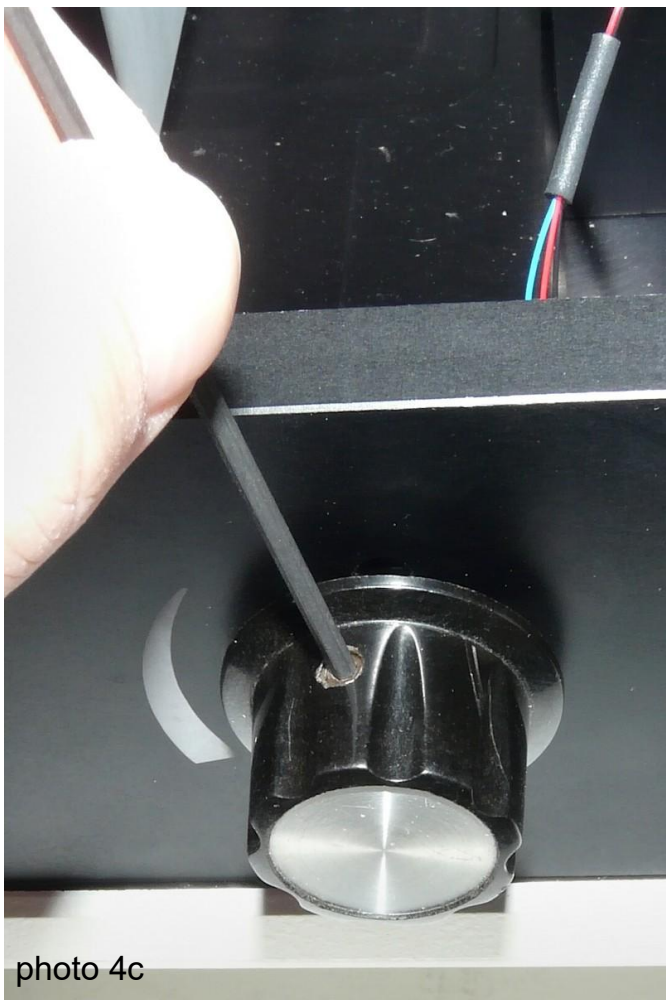
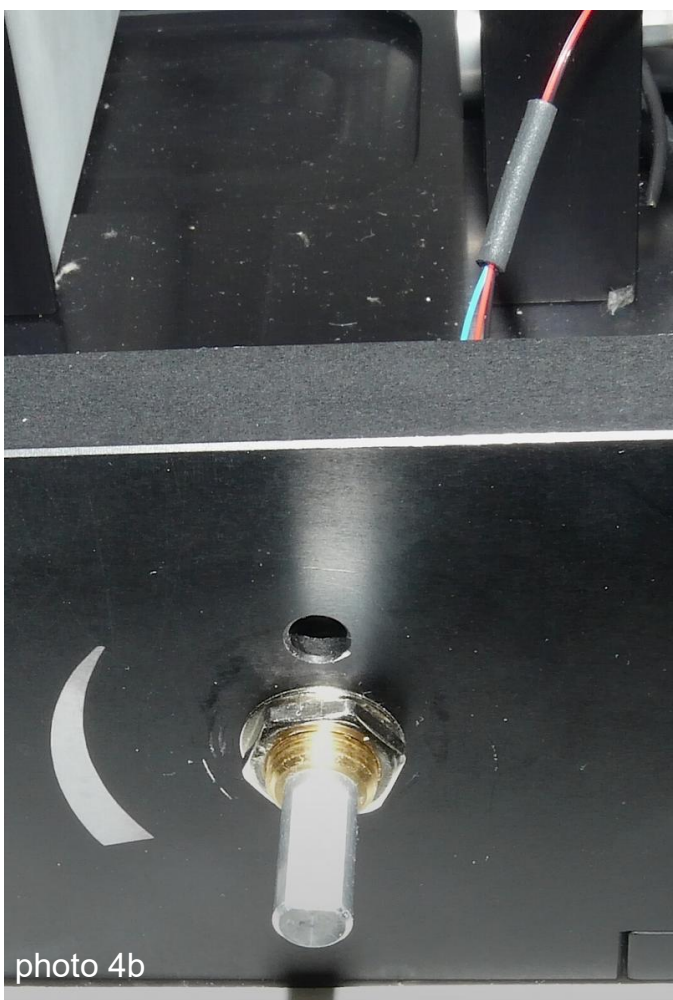
photo 3e

(5) Attach the OEM lamp housing as it was removed and tighten the set screw to secure Nanodyne illuminator.

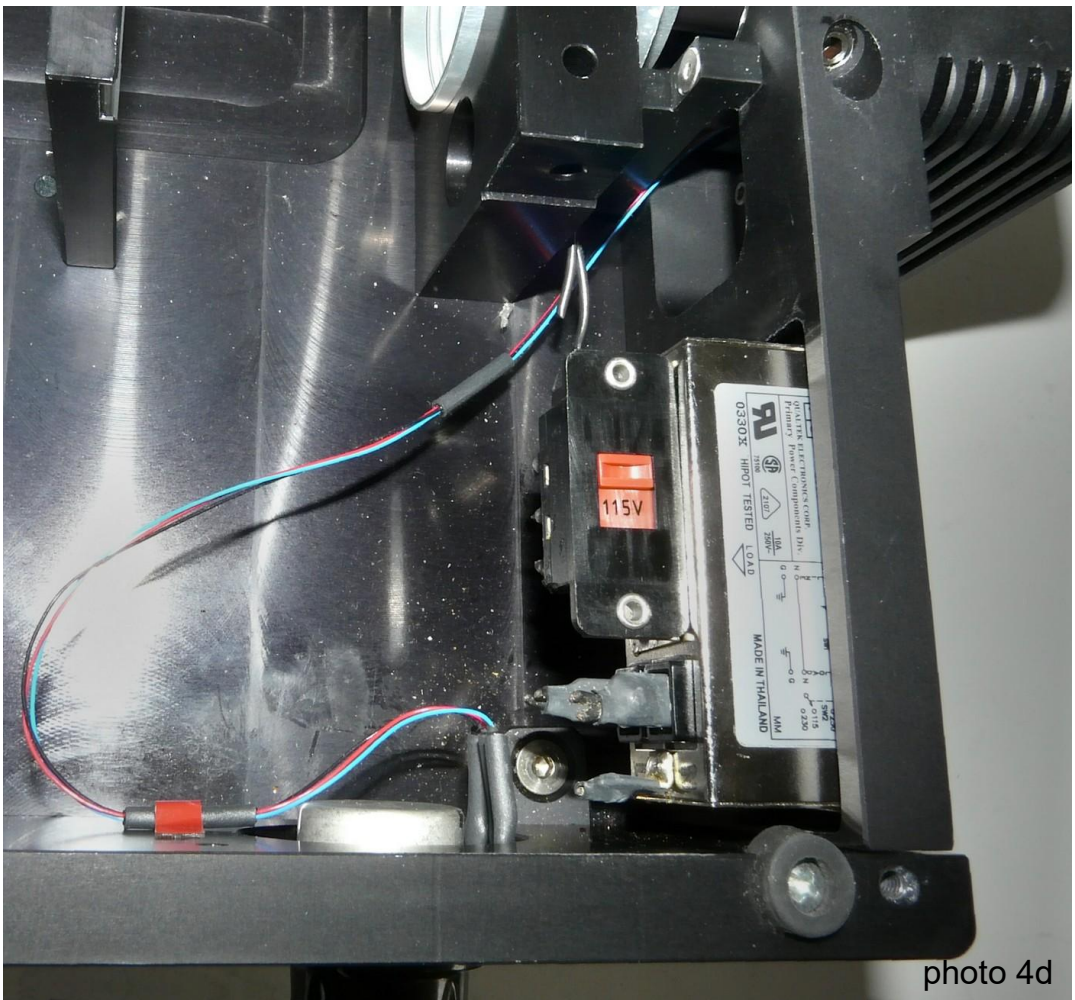
Nanodyne Replacement Illuminator for Diagnostic Instruments TLB D4.1 Microscope Base Installation Instructions: Step 4. Install Potentiometer and Knob. Secure Cables.



(1) Secure the new potentiometer to the mounting hole. Use one set of 3/8 inch washer and nut as a spacer, then use another set to tighten the potentiometer by using socket or wrench.



(2) Install the original knob as shown above.



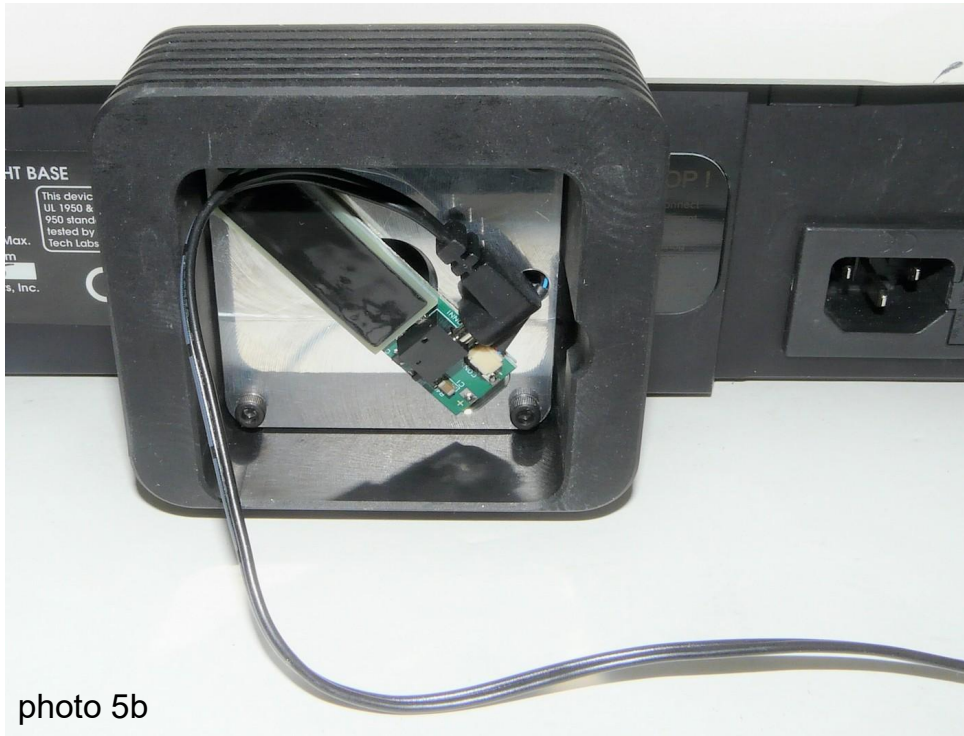
(3) Route and secure the cables using the 3M VHB tape provided as shown above.

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Nanodyne Replacement Illuminator for Diagnostic Instruments TLB D4.1 Microscope Base Installation Instructions: Step 5. Connect the Power Supply.



(1) Place bottom cover back and tighten the screws.



(2) Connect the power cable to the illuminator as shown above.



(3) Install the AC blocking rubber plug in the obsolete AC power receptacle.



(4) Plug in the power supply and the new illuminator is ready to operate.

(photo at left)