

Nanodyne Replacement Illuminator for Olympus CX40 Microscope Installation Instructions - Step 1. Remove back cover and old lamp housing.

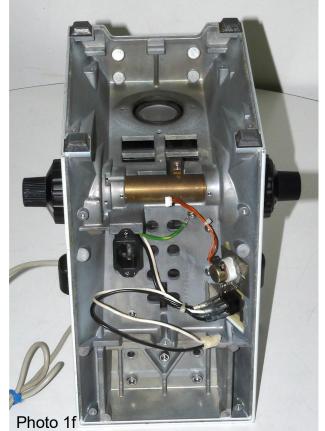












Be sure AC power is disconnected. Remove back cover, and original illuminator from the bottom of microscope.

Be sure that the now unneeded 115/230 VAC wiring (white and black wires) cannot cause a short circuit in case AC power is connected by mistake sometime. They can be completely removed if desired.

Wayne Bonin 2/12/2018 PN 10556 Olympus CX40 Illuminator REV Installation Instructions

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Nanodyne Replacement Illuminator for Olympus CX40 Microscope Installation Instructions - Step 2. Remove old potentiometer.





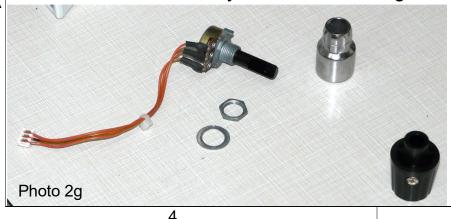








Remove the original adjustment pot. First remove the knob by loosening the screw with a phillips screwdriver. Then remove the nut with an 11mm hex socket. You should be able to turn the socket by hand. If it is too tight a deeper socket than shown will be required.



Keep the original nut, washer, and knob shown at left to install the new pot. (The nut that comes with the new pot is to large to fit)

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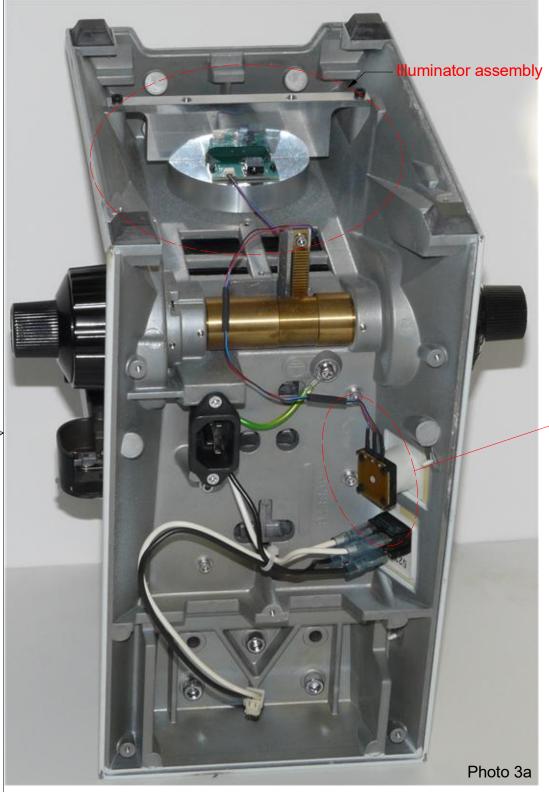
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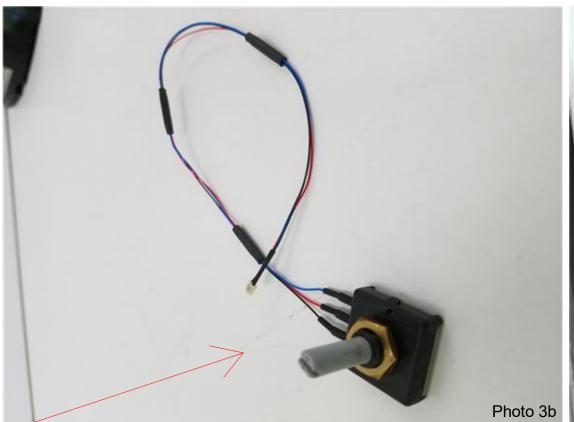
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Nanodyne Replacement Illuminator for Olympus CX40 Microscope Installation Instructions - Step 3. Attach Nanodyne illuminator and pot cable assembly.



Position the illuminator assembly as shown in the photo 3a, and secure with the two 3mm diameter x 8mm long cap screws using the 2.5mm hex key.



Note: The new Pot Cable Assembly is shown in photo 3b.



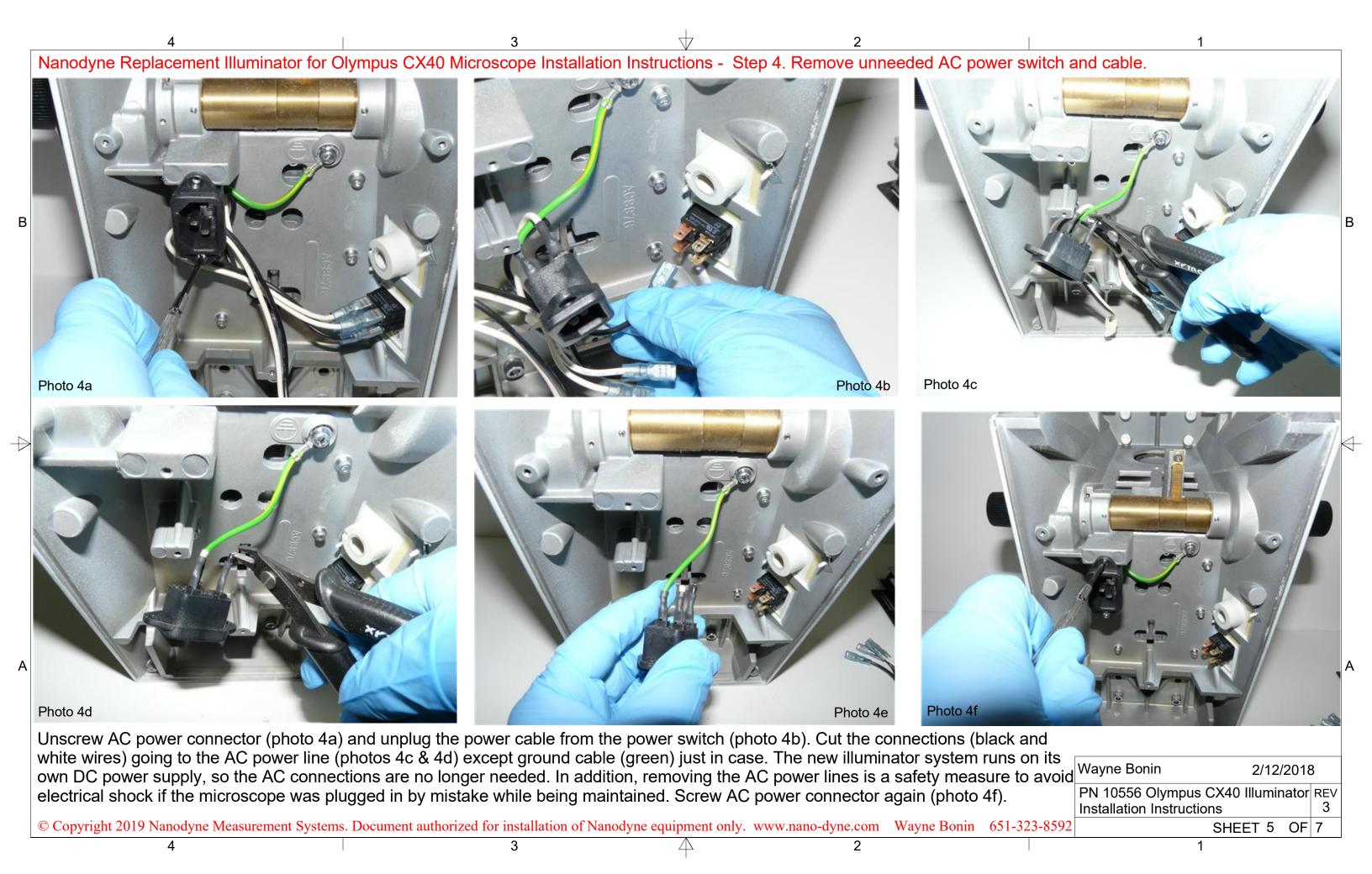
Install the new adjustment pot as shown in photo 3a, securing it in place with the nut and washer saved from the original pot. Getting the nut started may be rather difficult. Tilting the microscope so that the shaft of the pot points straight up will help, as gravity is then helping rather than fighting you.

After getting the nut started on the threads of the pot, tighten it snuggly by hand with the socket as shown in photo 3c. Then replace the knob.

Connect the pot cable to the white connector on the illuminator circuit as shown in photo 3a. Note that the connector is keyed to fit only one way.

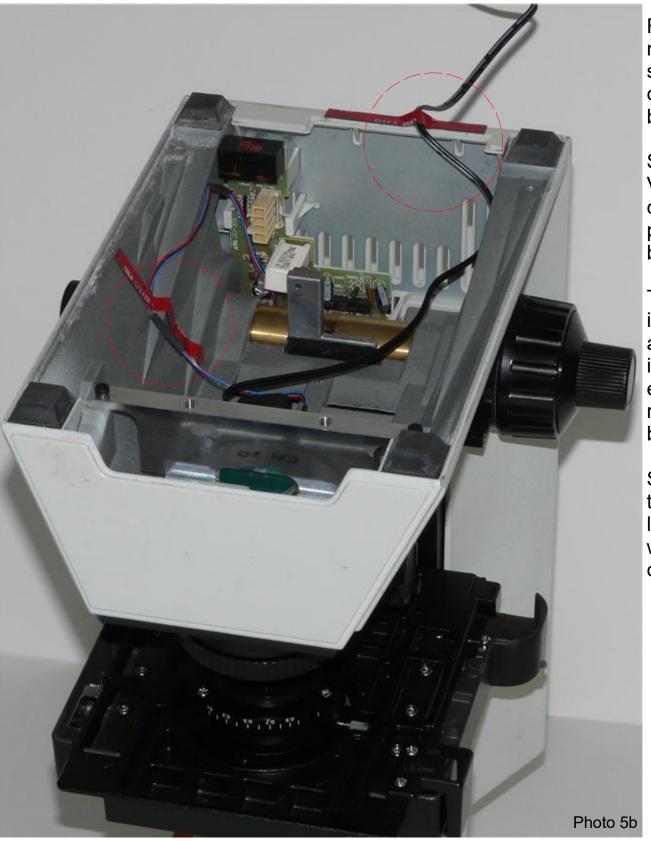
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Nanodyne Replacement Illuminator for Olympus CX40 Microscope Installation Instructions - Step 5. Re-install back cover, connect new power supply and secure cables.





Replace the back cover on the microscope, and plug the power supply cable into the black connector on the illuminator circuit board (red circle in photo 5a).

Secure the cables with the 3M VHB tape provided, so the cables cannot get caught in the rack and pinion mechanism, or hang out the bottom (red circles in photo 5b).

The original bottom cover is integral with the old illuminator, and will not fit with the new illuminator installed without extensive modification. We recommend simply leaving the old bottom cover off.

Since the operating temperature of the LED illuminator is so much lower than the original halogen, it will not be sucking in dust by convection like the original.

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Nanodyne Replacement Illuminator for Olympus CX40 Microscope Installation Instructions - Step 6. Install AC power blocking rubber plug.











* SAFETY:

Completely removing any connection to the now obsolete AC power recepticle is highly recommended as the old original power supply is no longer needed, and could cause problems if ever connected the AC power, as it is likely defective and could present a fire or shock hazard. The old power supply can be completely removed, or just remove the internal connections to the AC recepticle.

Installing PN 10736 rubber plug in the AC recepticle will help deter connection of an AC power cord in the future by operatators not familiar with the new illuminator.

Installation of PN 10736 rubber plug is shown above. Finally, we recommend installing the PN 10736 rubber plug in the AC recepticle to deter future attempts to connect an AC power cord to the now obsolete AC power.

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