

Nanodyne Replacement Illuminator for Olympus SZX-ILLK Microscope Installation Instructions: Included Items



PN 10736 Rubber plug to block unused AC power receptacle.



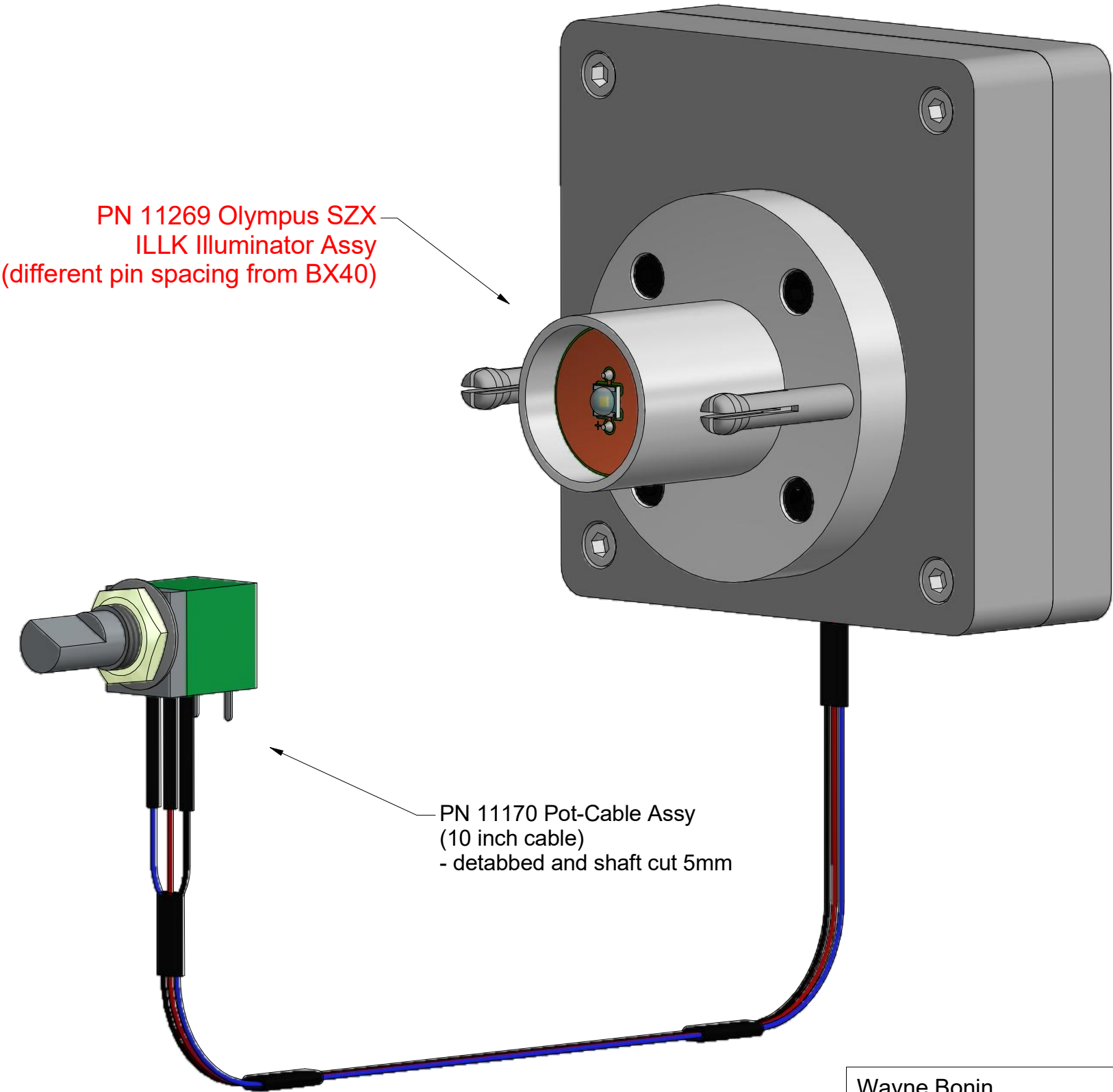
Tape to secure wires.



PN 10733 Power Supply - XP Power 5V 1A Fixed Blade US Input/USB Output 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 subject to substitution without notice due to availability issues and changes in regulations.



PN 11269 Olympus SZX ILLK Illuminator Assy (different pin spacing from BX40)

PN 11170 Pot-Cable Assy (10 inch cable) - detabbed and shaft cut 5mm

Verify inclusion of all items shown here.

Wayne Bonin	3/17/2019
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Nanodyne Replacement Illuminator for Olympus SZX-ILLK Microscope Installation Instructions: Step 1. Remove Old Lamp Housing and OEM Pot, Install New Pot



Remove the OEM illuminator from the microscope as shown in the photos 1a and 1b. Then remove the OEM potentiometer as shown in the photos 1c and 1d. Disconnect or cut the wires as required.

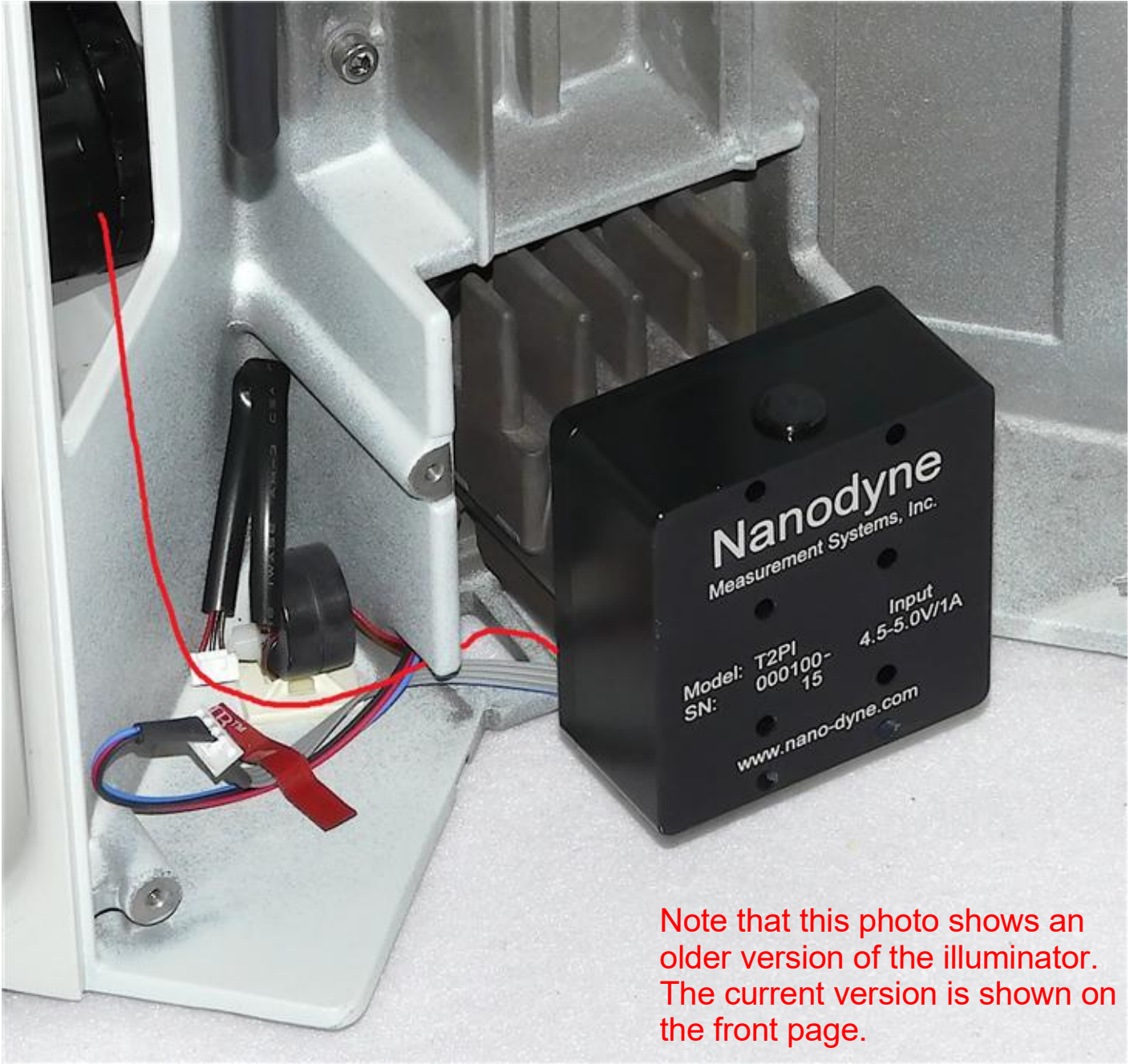
Install the new potentiometer provided (not shown in photo) in the OEM bracket, and replace the bracket.

PLEASE NOTE:

We did not have access to an SZX-ILLK microscope for making these instructions. We only had a few pictures sent by the customer. The instructions may be missing some details.



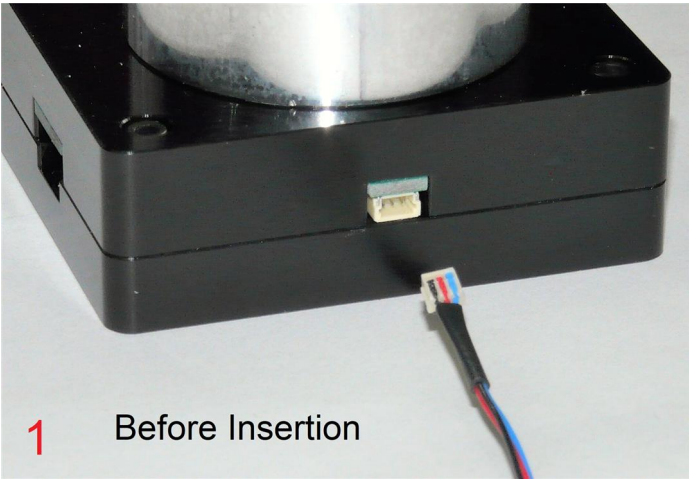
Nanodyne Replacement Illuminator for Olympus SZX-ILLK Microscope Installation Instructions: Step 2. Install Nanodyne Illuminator and Connect Pot Cable



Plug the Nanodyne illuminator into the receptacle in the same way as the original.

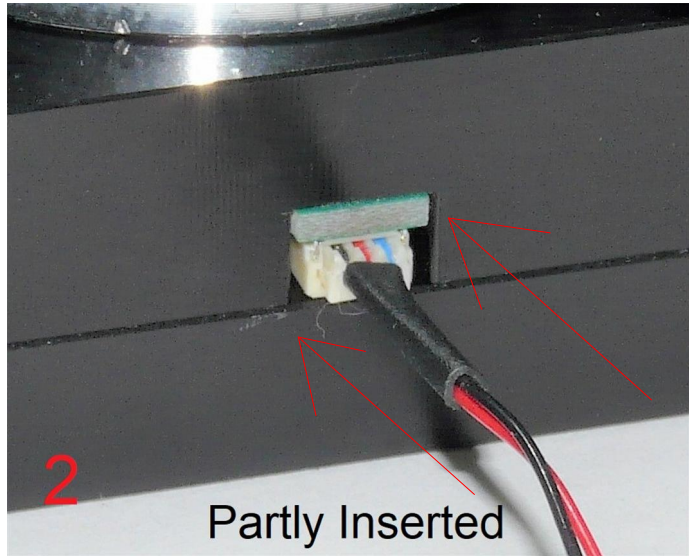
Intensity adjust cable is coming from the adjustment pot, and ending where it is plugged in to the bottom of the illuminator. Secure the cable in place with the tape that is provided.

**NOTE** - This photo shows a BX40 installation. It is the same as a SZX-ILLK installation, except the intensity adjustment cable goes to the adjustment pot near the back of the microscope, rather than the plate near the back of the microscope as on the BX40. The cable in the above photo is an older version that came out of the illuminator. The current cable is shown in the photos to the right.



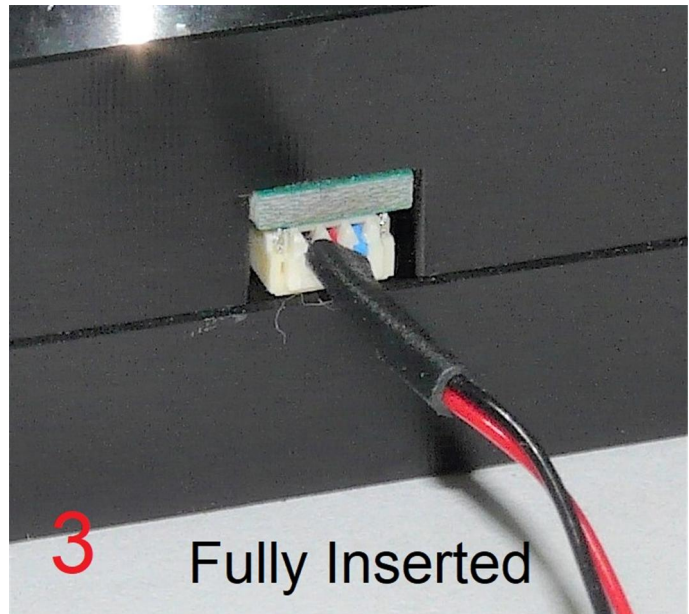
1 Before Insertion

Left photo showing receptacle at bottom of illuminator and cable that plugs into it. Connect the socket at the end of the Pot Cable Assembly to the mating socket of the illuminator, as shown in the pictures on this page.



2 Partly Inserted

The plug should go in this far with no resistance. If there is any resistance turn the plug around. If there is still resistance inspect for damage or obstruction. After partially inserting the socket to the mating socket of the illuminator with your finger, use other mechanical tools such as driver or tweezers to firmly insert the socket all the way by pushing back edge of the socket as indicated with the red arrow in the image 2.



3 Fully Inserted

Fully insert the plug by pushing on the wires. You should feel a slight snap as it engages. The wires can be bent at 90 degrees near the plug to keep them close to the illuminator. The socket cannot be fully engaged by pushing on the wire attached as the wires would just collapse. If you want to pull the socket out, pull the wire straight out by firmly gripping the black heat shrink tubing.



Nanodyne Replacement Illuminator for Olympus SZX-ILLK Microscope Installation Instructions: Step 3. Install Back Cover and Connect Supply



Photo with old cable - new cable shown on sheet 3.

**NOTE - This photo shows the older R1 cable, which was came out of the illuminator assembly and plugged into the potentiometer. The new R2 cable comes attached to the potentiometer and plugs into the bottom of the illuminator. This photo also shows BX40 microscope slightly different from SZX-ILLK, however the installation procedure is same.**

**(No microscope was available for photos of the installation with the new cable)**

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Replace the back cover of the microscope.

**Install PN 10736 rubber plug into the AC power receptacle to deter application of obsolete and potentially dangerous voltage to the microscope.**

**Plug in the power supply and the installation is complete.**

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