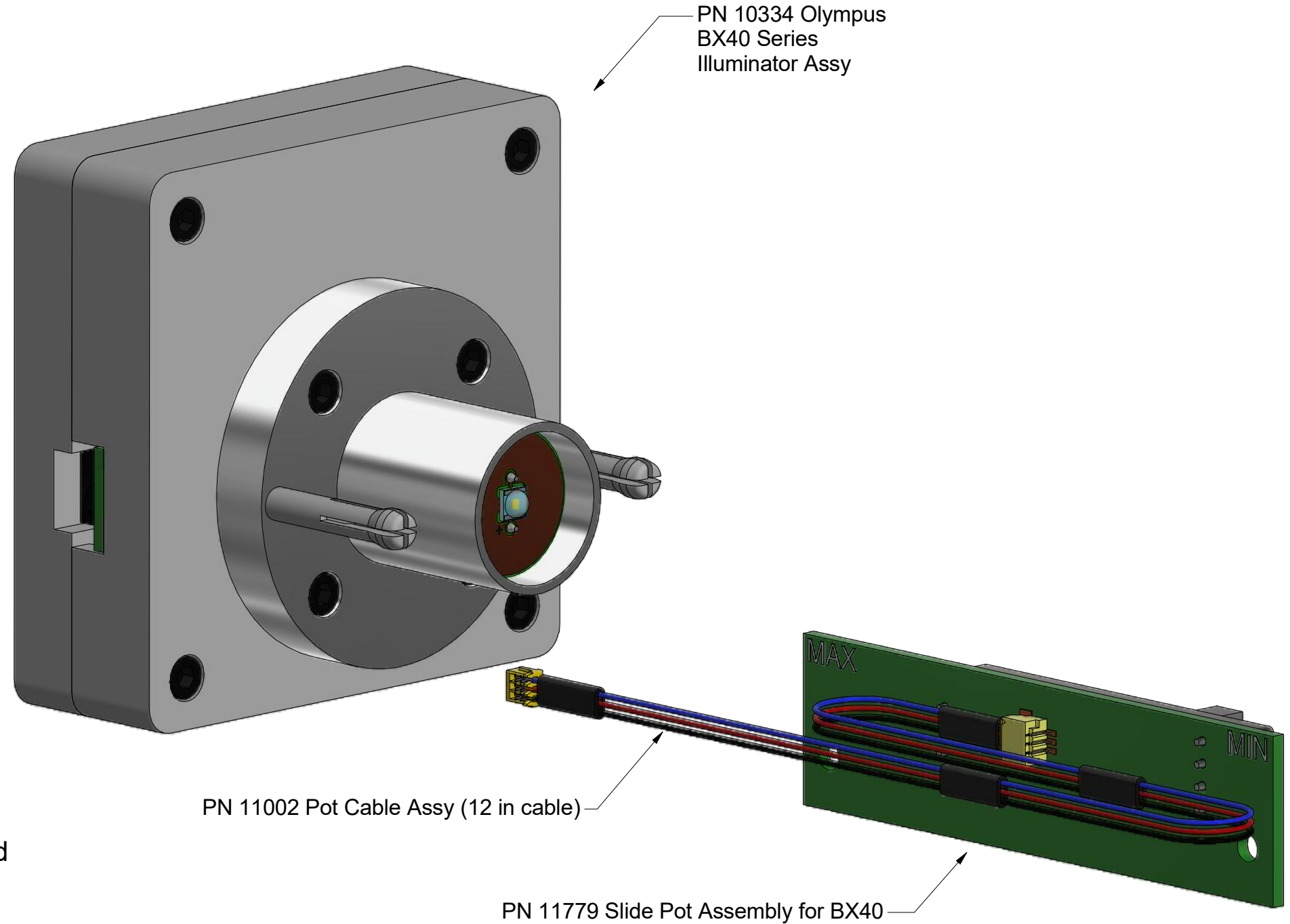


# Nanodyne Replacement Illuminator for Olympus BX40 Microscope Installation Instructions - Slide Pot: Included Items

Verify inclusion of all items shown here.



Tape to secure wires.



PN 10736 Rubber plug to block unused AC power receptacle.



PN 10733 Power Supply 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.

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Nanodyne Replacement Illuminator for Olympus BX40 Microscope Installation Instructions: Step 1. Remove Old Illuminator, Back Cover, and Install Nanodyne Slide Pot



Photo 1a

Remove the OEM illuminator and the back cover to expose the plate with the intensity adjust circuit (green printed circuit board in photo 1b) attached to it. The plate is held by a tape-like adhesive coating (the yellow color on the back of the plate visible in photo 1b). This illuminator model is designed to keep the original plate. Remove the 3 screws (red circle in photo 1b) and green printed circuit board. Disconnect or cut the wires as required.



Photo 1b

The Nanodyne replacement slide pot assembly (PN 11779 shown on page 1) is held in with original 2 screws (red arrow in photo 1b).

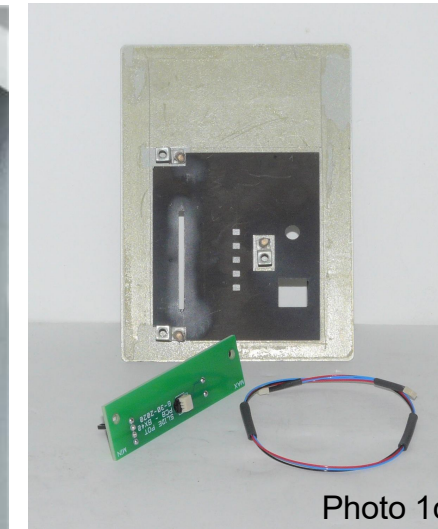


Photo 1c

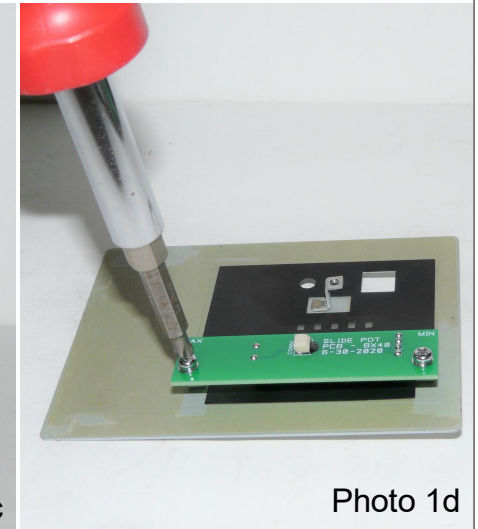


Photo 1d

Install the Nanodyne replacement slide pot assembly using original 2 screws.

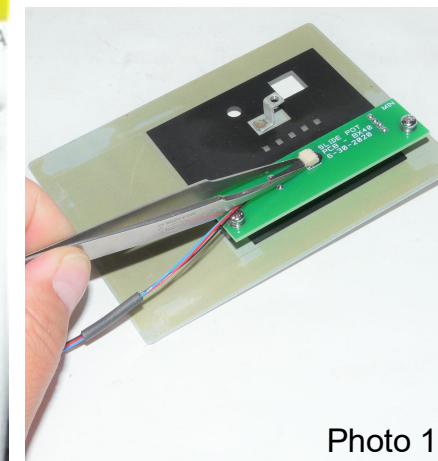


Photo 1e

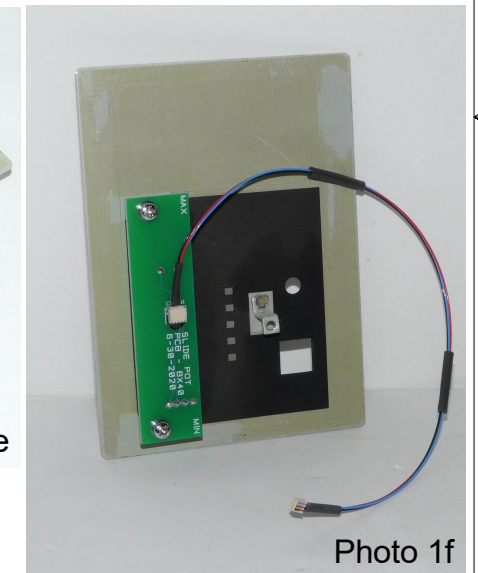
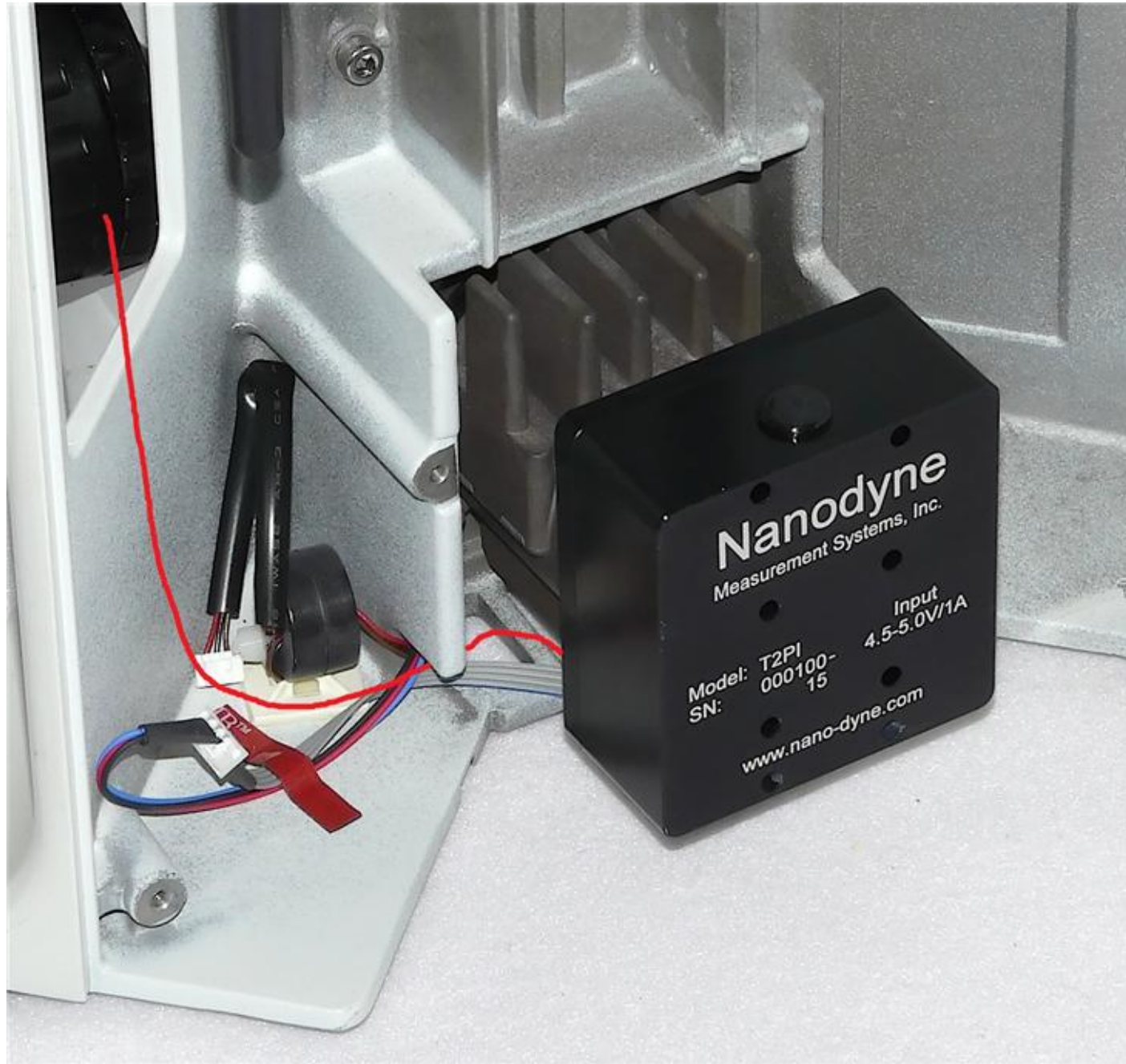


Photo 1f

Connect the pot cable if needed (we usually pre-assemble it). Detailed instructions are shown in next page.

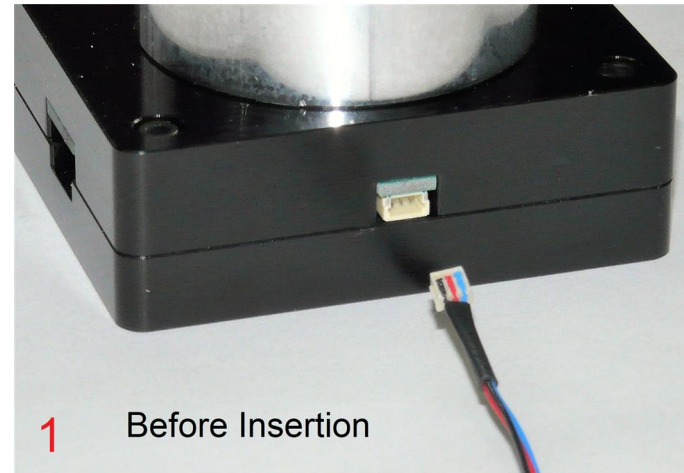
Nanodyne Replacement Illuminator for Olympus BX40 Microscope Installation Instructions: Step 2. Connect the Pot Cable to the Illuminator



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

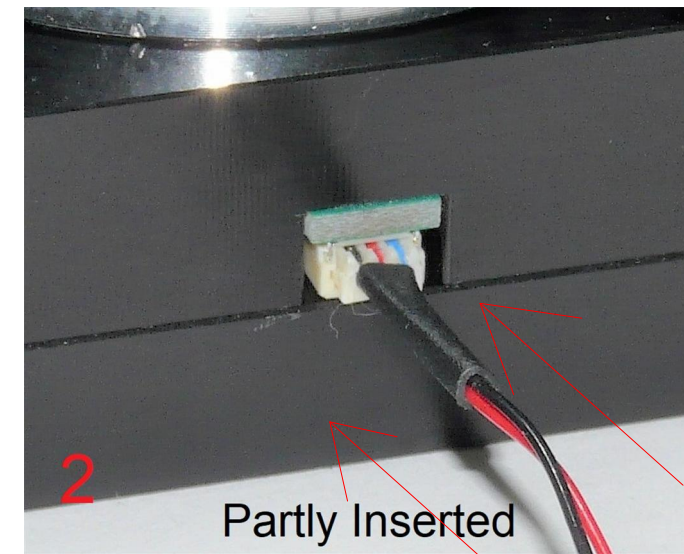
The red line on the above photo shows the desired path of the intensity adjust cable, going from the pot plate to the socket in the bottom of the illuminator. Secure the cable in place with the tape that is provided.

**NOTE** - This photo shows a BX41 installation. That is why the pot cable disappears into the microscope, rather than going to the pot plate of the BX40. The cable in the above photo is an older version that was permanently connected to the illuminator. The current cable is shown in the photos to the right.



1 Before Insertion

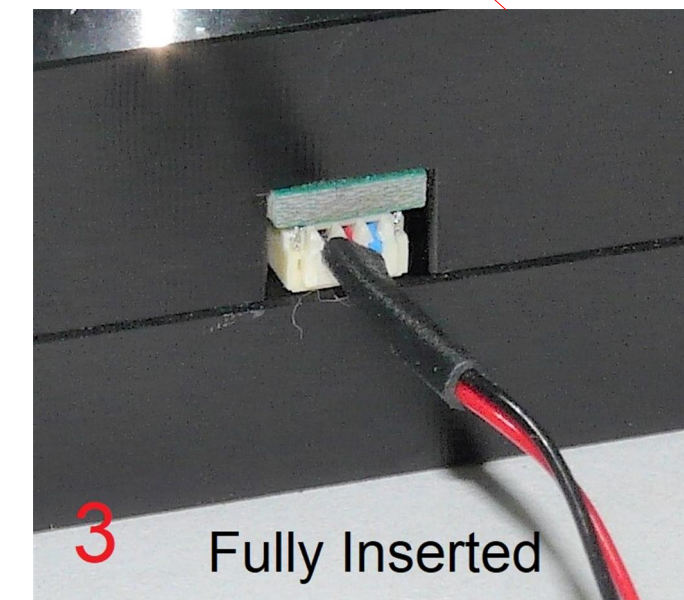
Photo 1 shows the pot cable plug and the socket at the bottom of the illuminator.



2 Partly Inserted

Photo 2 shows how far the properly aligned plug will go into the socket with minimal pressure applied while holding it by the wires.

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



3 Fully Inserted

Photo 3 shows the plug fully engaged.

If you have good finger/thumb nails use them to push the plug into the socket. Otherwise use something like a small tweezers or (very) small screwdriver.

If you want to pull the plug out, pull the wire straight out by firmly gripping the black heat shrink tubing.

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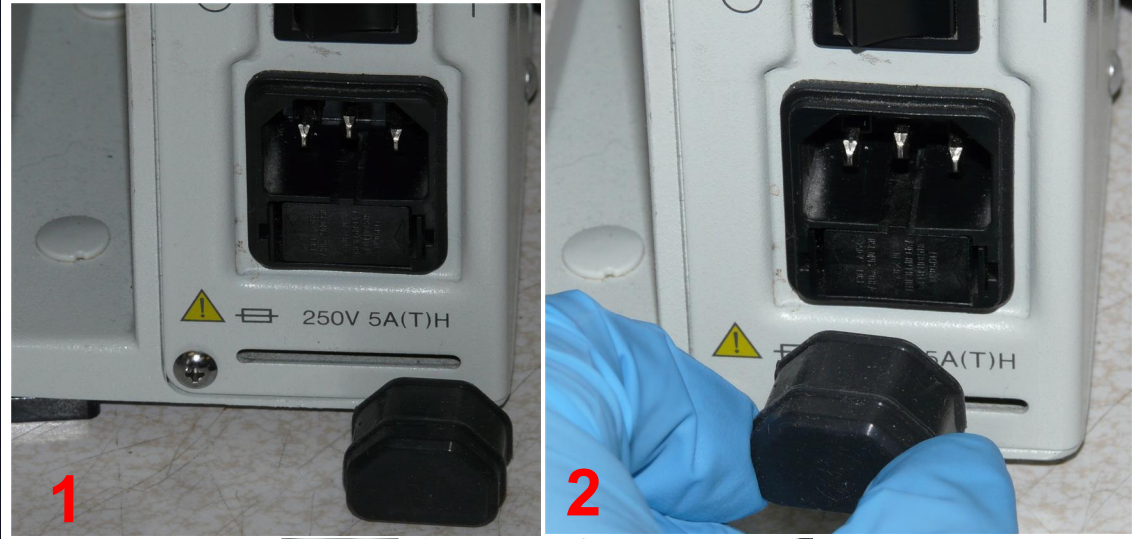
Nanodyne Replacement Illuminator for Olympus BX40 Microscope Installation Instructions: Step 3. Install Back Cover and Nanodyne Illuminator



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

**NOTE - This photo shows older cable, which was permanently attached to the illuminator and plugged into the pot plate by a connector. The new cable comes attached to the pot plate and plugs into the bottom of the illuminator.**

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



- 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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