



Step 1) Verify inclusion of all parts listed in Figure 1 above.

Step 2) (not shown in photos) Remove the OEM illuminator from the microscope, and remove the condenser lens/lamp holder from the original lamp assembly. Be sure to keep the screw that secures the assembly to the microscope.

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Step 3a) Remove the 4 screws which attach the lamp holder to the condenser lens assembly with a 2.5mm hex key. The original screws may be discarded (photo at left).

Step 3b) Pull the lamp housing away from the lens. (photo at left)

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Step 3c) Cut the wires close to the condenser lens to remove the lamp holder. The lamp holder may be discarded. (photo at left)

NOTE - The photo at left shows an older model Nanodyne illuminator. The current model is shown on the first page.

The cable for the intensity control now plugs into the bottom of the illuminator, rather than being permanently attached as shown at left.

Step 4) Insert the original Olympus condenser lens assembly into the Nanodyne illuminator assembly, and secure with the four M3 x 0.5 x 8mm cap screws provided, using the provided 2.5mm hex key to tighten securely. (photo at left)

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Note - If the Nanodyne illuminator will be used with the intensity adjust pot on the illuminator, rather than with a remote pot connected by a ribbon cable, skip the rest of the installation procedures. Just install the illumininator and secure with the screw as shown at left - but without removing the bottom cover. Plug in the power supply and it is ready to operate.

NOTE - The photo at left shows an older model Nanodyne illuminator.

The cable for the intensity control (pot cable) now plugs into the bottom of the illuminator, rather than being permanently attached as shown at left. Installation is easier as the pot cable can be connected to the illuminator after the base is attached to the microscope.

Step 5) Remove the bottom cover from the microscope and position the parts as shown at left. Insert the condenser assembly, now attached to the Nanodyne illuminator assembly, into the microscope and secure with the original screw (1).

Pull the plastic knob off of the intensity adjust pot and set aside. Remove and discard the original intensity adjust pot (2).

Remove and discard the original power connector for the illuminator (3).

To avoid aggravation when later replacing the bottom cover, be sure there are no loose wires near the 4 holes the support feet pass through. Either secure any loose wires, or remove and discard them. None of the original illuminator circuitry is required after installing the Nanodyne illuminator.

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Do not connect the cable yet.

Be sure the text "MIN" and "MAX" are as shown, or the operation of the intensity control will be reversed.

The new cable has a different connector as shown on the first page.

Press the original knob onto the lever of the pot as shown directly at left.

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Step 6) Remove the two loose M3 cap screws from the new slide pot assembly, position it as shown, and secure with the M3 cap screws.

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NOTE - The photo at left shows an older model pot cable.

Sheet 8 shows details about how to connect the pot cable to the illuminator. (The cable is attached to the pot the same way)

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Step 7) Position the two halves of the microscope as shown above, so they can be assembled by folding the bottom cover towards the rest of it, like closing a box Route the pot cable as shown, secure it with the provided tape (red strips), and snap the cable connector onto the pot connector. Close the bottom cover against microscope and secure it with the original bolts. Plug in the power supply and the new illuminator is ready to use. Note that there is no ON-OFF switch. The illumination goes to zero with the slider at MIN.

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NOTE - The photo at left shows an older model pot cable.

The new cable has a different connector as shown on the first page.

There is no need to position the 2 halves of the microscope as shown.

Simply route and secure the pot cable in the base as shown, leaving enough cable out of the base to connect to the illuminator later.

Then attach the base to the rest of the microscope.

Sheet 8 shows details about how to connect the pot cable to the illuminator.

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Step 8) It is recommended that the rubber plug for the AC recepticle be installed to deter attempts to connect an AC power cord to the now obsolete AC recepticle.

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Installation of PN 10736 rubber plug is shown above.

It is also recommended to completely remove the original power supply, or at a minimum disconnect the AC power wires from the AC recepticle at the back of the microscope and be sure they are insulated so there is no possibility of short circuits.

See photo on sheet 6 showing wires connected to AC recepticle at the top right corner of the base.

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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.



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