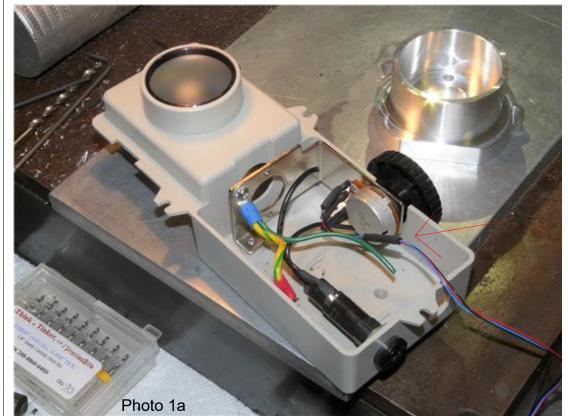


## Nanodyne Replacement Illuminator for Nikon Alphaphot-0 Microscope Installation Instructions - Step 1. Remove old lamp housing and install new potentiometer.







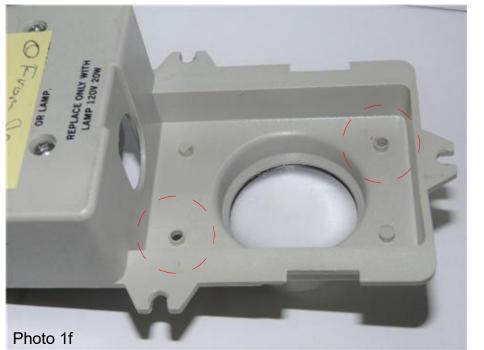
Remove the lighting unit by unscrewing the screws that hold it in place, then remove old illuminator parts (not shown in photos). Install a new pot cable assembly provided (red arrow).

Before drilling.

Modify original lens holder and lamphouse unit from microscope by drilling two 0.125 inch diameter holes shown in photo below (red circles).







After drilling.

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SHEET 2 OF 5

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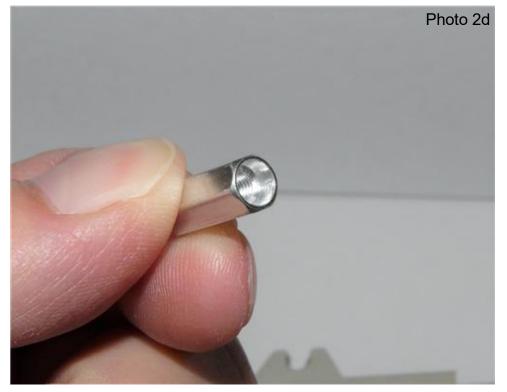
## Nanodyne Replacement Illuminator for Nikon Alphaphot-0 Microscope Installation Instructions - Step 2. Make countersinks and install hex standoffs.







Make two countersink (red arrows) by hand on the other side of drill hole by using countersink drill bit provided. It must be big enough to bury flat head cap screw as shown in the small photo above.







Match recess end of the hex standoffs with the drill holes, then tighten the flat head cap screw provided on the other side of the lens holder.

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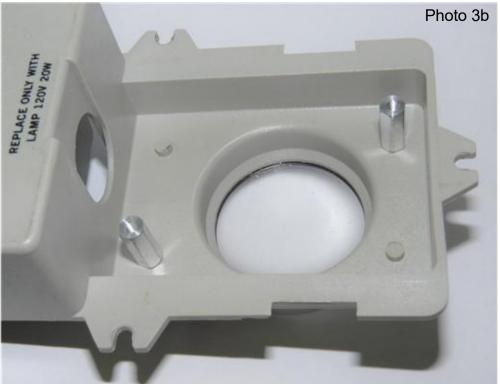
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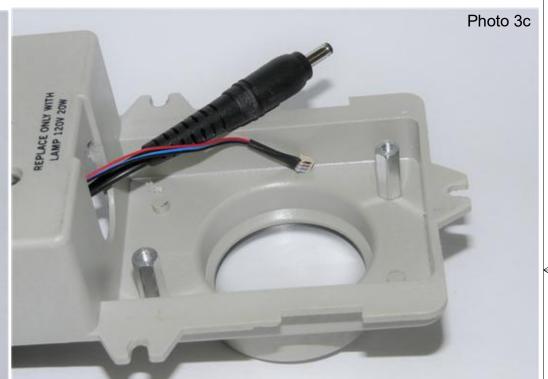
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Nanodyne Replacement Illuminator for Nikon Alphaphot-0 Microscope Installation Instructions - Step 3. Route pot cable and new power cord.



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Tighten another flat head cap screw and Route the pot cable and new power cord through the light socket hole as shown.

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## Nanodyne Replacement Illuminator for Nikon Alphaphot-0 Microscope Installation Instructions - Step 4. Connect power supply and pot cable. Install Nanodyne illuminator.



Photo 4a

Plug the power supply into the illuminator assembly and connect the cable from the potentiometer to the socket on the circuit board. The connector will only seat one way, so do not force it in if it does not fit. The connectors are keyed so they will only go together the correct way (as long as excessive force is not used). Be sure they are fully inserted so they do not come loose later. See detail at right.

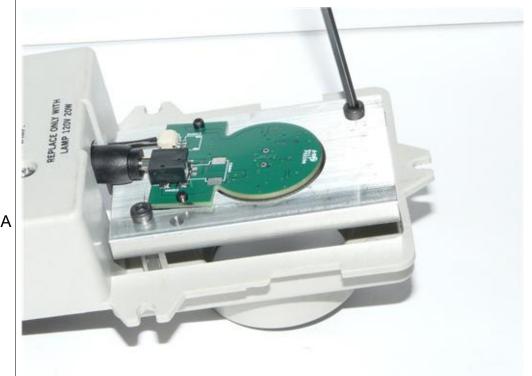
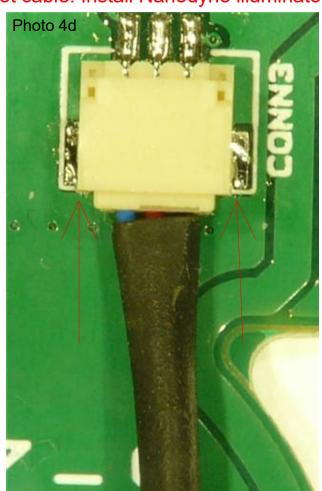


Photo 4c

The plug for the intensity adjustment goes into the socket on the printed circuit board this far with no force when oriented correctly. The connector is not yet engaged.



Push the plug into the socket using your fingernail. There will be a small snap as the connector engages. The required force should be quite small.

Mount Nanodyne illuminator assembly on the hex standoffs. Tighten two socket head cap screws to hold Nanodyne illuminator assembly in place. Now the installation is complete and Nanodyne illuminator is ready to operate.

Photo 4b

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