

Thank you for your purchase of the SUN-1 lamp upgrade kit. The upgrade is simple to perform and will solve the problem of heat transfer from the light source to your sample.

You purchased this upgrade kit to solve a problem associated with early models of the **SUN-1** lamp wherein the light generated by the lamp had a large infrared component which quickly warmed the illuminated sample. This conversion will replace the old lampshade and bulb assembly resulting in a significantly cooler, but just as bright, light beam.

To convert your existing lamp to the new design, do the following:

1. Unplug the lamp from its controller and place it on a convenient work surface.
2. Unscrew the shade from the lamp and remove the bulb by pulling it from its socket.

CAUTION: The bulb may be very hot!

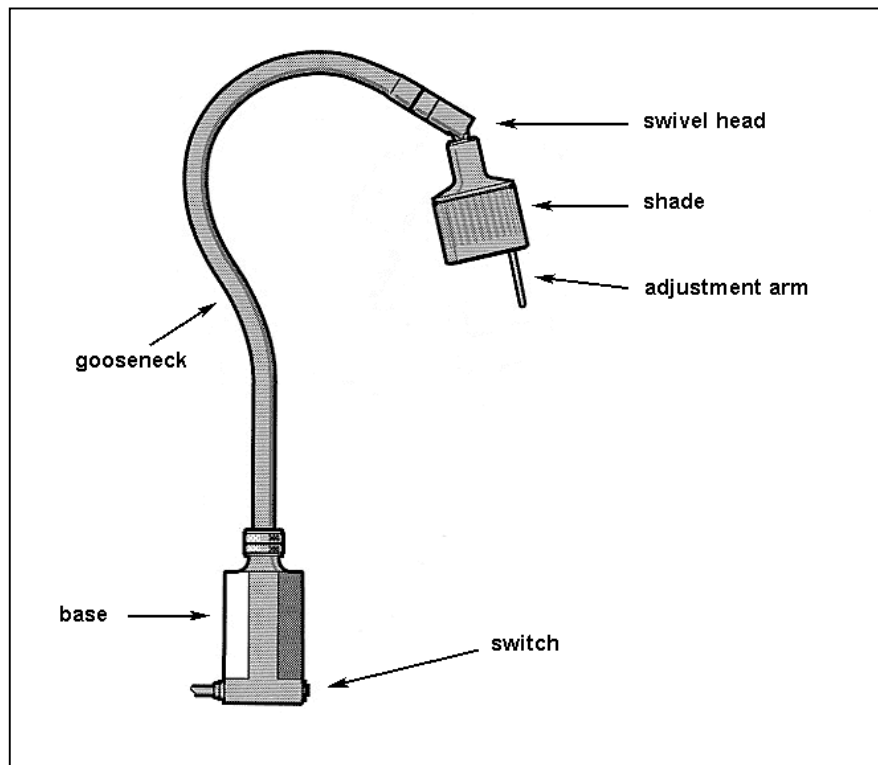
3. You will see a rubber sleeve which shrouds the bulb socket from the remaining lamp housing. Completely remove this sleeve by cutting it away from the lamp using a straight edge or razor blade.

NOTE: It is very important that this step be performed.

4. Insert the bulb and dichroic reflector by grasping the reflector by the edges of and plugging it into the bulb socket.

5. Screw the replacement lamp shade into place making sure that the reflector is aligned to the window in the shade.

6. Return the **SUN-1** to service.



NOTE: The new lamp houses a dichroic reflector which dissipates >60% of the heat generated by the bulb. As a result, the sample is exposed to less radiant heat at the expense of a warmer lamp head. Use care when making adjustments to the lamp as it may be warm to the touch.

Replacement parts

SUN-DCH

Replacement 12W-12V Dichroic bulb for SUN-1 lamp

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Rev 01.15.02