

# **CAPS**

## **INTERNATIONAL**

### **MODEL NV2531 – SHOP VACUUM ATTACHMENT – ANALOG TIMER**

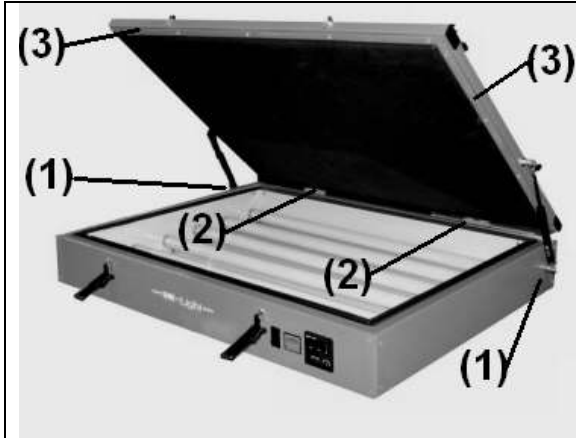
**NOTE:** All exposure operations should be done in a reduced light environment to prevent premature exposure of the screen emulsion to outside sources of light contamination.

- 1. Unlatch and lift the lid to the full upright position.**
- 2. Position film positive to the desired position on the screen and then center the screen frame on the glass surface.**
- 3. Lay the vacuum relief string on the screen as close to the edge as possible. Be sure not to lay the string on the image area.**
- 4. Check the screen frame for sharp or protruding areas that may damage the vacuum blanket. Carefully lower the lid so as not to move the screen or the film positive and secure the lid with the latches.**
- 5. Attach the Shop Vacuum hose to the vacuum blanket attachment. Turn the shop vacuum on and the blanket will conform to the shape of the screen frame.**
- 6. Set the desired exposure time with the round knob on the analog timer. Go past the desired time on the analog timer, and then move the dial back to the desired time. The recommended exposure times are two (2) minutes with one step emulsion and four (4) minutes with two step or dual cure emulsion. These recommended times may have to be adjusted to fit the needs of your unit, emulsion, or art work. This procedure is totally “trial and error.”**
- 7. When the exposure process is finished, the analog timer will turn off the exposure unit. Turn off the Shop vacuum and remove the vacuum hose from the blanket, unlatch and raise the lid, remove the exposed screen and film positive.**
- 8. Repeat the above steps for the next exposure cycle.**

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## VACUUM BLANKET REPLACEMENT



Step 1. Remove the lower shock arm bolts on both the left and right side of the exposure unit.

Step 2. Remove the lid hinge attachment screws from both hinges. Remove the lid to a suitable work area and place the lid upside down on the work area.

Step 3. Remove the four (4) retaining strips from the left, right, top and bottom of the lid. See the replacement instructions below.

1. Center the replacement blanket on the lid. Do not stretch the blanket tight. To do so will prevent the vacuum from sealing correctly.
2. Align the retaining strip and the edge of the vacuum blanket together and clamp the retaining strip to the lid. Insert the retaining strip screws carefully, being sure the screw tip lines up with the hole in the lid. Tighten the screw slowly to insure the vacuum blanket does to wrap around the screw threads and cause a tear in the blanket fabric.
3. Repeat step two for the remaining three (3) retaining strips. When all four (4) of the retaining strips have been reattached to the lid, be sure the blanket has no obvious breaks, tears, gaps, or folds where the blanket and retaining strips are attached to the lid. The vacuum blanket should have slack in the middle of the lid.
4. Return the lid to the exposure unit. Place the lid on the exposure unit with the retaining strips facing the exposure unit. Insert the hinge screws through the hinge and into the lid. Do not tighten the screws until all of the hinge screws are started. Place your palm on the lid above the hinge and press down on the lid to insure positive contact with the exposure unit. Tighten the hinge screws and repeat this step for the remaining hinge attachment.
5. Open the lid and reattach the left and right shock arms to the exposure unit. Test the exposure unit to insure positive vacuum pressure. It is recommended that you retain the old vacuum blanket for possible repair material.

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