

## Lamphouse Troubleshooting Guide

When you raise the lamphouse this button should press on the bottom of the printer top and turn on the light.

B) If the fan works but not the display you might have a bad thermal switch or the J1 connector might be disconnected.

- If the lamphouse was recently taken apart double check the J1 connector. This is to the left of the mixing chamber when the lamphouse is lowered.

- The thermal switch is located above the reflector that the lamp is located in. With the power cord to the printer unplugged disconnect the two wires on the thermal switch. Use an ohm meter to check the resistance of the switch. When the lamphouse is cool this thermal switch should read  $0\Omega$ . If not replace it. (part #701029)

### Lamphouse shutter not opening

If you notice the lamphouse shutter isn't opening then try testing it in the maintenance mode. Next press the button under the front of the lamphouse. If the shutter won't open with either method then the problem is within the lamphouse and you can skip to step 5.

1. **Defective display switch**  $\Rightarrow$  If the shutter wont open when the display switch under the front of the lamphouse is pressed but it works when in the maintenance mode or when an exposure is made. Then the problem is the display switch (part #702917) or the wiring to it.
2. **AC\DC switch set incorrectly**  $\Rightarrow$  Open the access panel at the front of the bottom of the lamphouse. On the front of the LDR board (or LSR board if you have an older LSB lamphouse) there is a switch that should be in the DC position if the printer controller is an Accudata, Excellerator or any other printer that uses filter flags in the lamphouse. If you have a Step One or a UPC controller then the switch should be set to AC.
3. **Bad driver board in the controller**  $\Rightarrow$  If the shutter works when the display switch is pressed but not when you make a print or when your in the maintenance mode then the driver board in the controller might be bad.
4. **Bad connection on the filter flag cable**  $\Rightarrow$  Check the cable that comes out of the right side of the lamphouse and into the kick panel of the printer.
5. **Bad LDR board**  $\Rightarrow$  Open the lower access panel on the front of the lamphouse. With the power turned on check the voltage between the two test points labeled "30 volts". If this reads 30 volts DC plus or minus four volts and the AC/DC switch is set right then the LDR board is probably bad. Replace the LDR board (part # 362406E) with a known good board. (If you have an older LSB lamphouse then this board is called a LSR board and the test points are S+ and S-. The part number for the LSR boars is # 250477E)
6. **Bad Fuse**  $\Rightarrow$  Take the lamphouse apart by disconnecting the six fasteners on the sides of the lamphouse. Check the fuse in the bottom of the lamphouse. This fuse is

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back under the blower motor. Check the fuse with an ohm meter. If bad replace it with a 1 Amp 250 volt fuse. This fuse is used only for the lamphouse shutter.

7. **Bad solenoid** ⇒ Remove the LDR board (or LSR board if you have an LSB2 lamphouse). This is the board that slides out the lower access panel of the lamp house. Then check the resistance across the shutter solenoid. It should be between  $18\Omega$  and  $25\Omega$ . If not replace it. (part #362446)

## LAMP OUT TROUBLESHOOTING

