

Field Mod. 104

Triton Field Replaceable LCD Backlight Socket Installation Procedure

I. Introduction

The Triton field replaceable backlight socket was developed to allow field service technicians the ability to change the LCD backlights in the model 9500, 9501, and 9520 mini ATM cash dispensers. This new backlight socket can easily be installed in the field with a minimum amount of time (approximately 1/2 hour) and tools.

II. Tools and Equipment Required

1. Phillips screwdriver
2. X-ACTO or razor knife
3. 1/4" nutdriver
4. Foil Shielding tape (supplied)
5. 4-40 nylon thumbscrews (supplied)
6. Field replaceable lamp socket (supplied)
7. Snap bushing (supplied)

III. Installation Procedure

Note: *For units which already have shielding tape installed and a display access panel, the front plastic panel does not have to be removed to replace the backlight. For these units, skip steps 1-5.*

1. **Turn off power to the unit**
2. Disconnect the ribbon cables located on the inside of the enclosure door from the card reader, membrane switch panel, and the LCD display.
3. Disconnect the high voltage lead connected to the backlight. If the unit is installed with an inverter box located on the enclosure door, simply disconnect the backlight lead from the inverter box. Also, if the unit is equipped with a grounding kit, remove the chute grounding cable from the receipt chute by loosening the upper card reader bracket.
4. Remove the four Phillips screws and washers located on the inside of the enclosure door which attaches the front plastic panel to the enclosure door. Remove the front panel. Also remove the black, plastic snap bushing located in the center of the enclosure door and replace with the thinner snap bushing supplied with the kit.
5. Remove the display from the front panel by removing the four mounting nuts with a 1/4" nutdriver. **Be careful when removing. There are small nylon spacers which can be easily lost.** Remove the receipt printer chute from the front panel. Place the foil shielding tape provided with the kit onto the front panel as shown in figure 1. Replace the display and the receipt printer chute back onto the front panel.

6. If a hinged display access panel is installed on the unit, disconnect the backlight lead and open the access panel. With a sharp X-ACTO or razor knife, **carefully** cut through the backlight film and tape adjacent to the edge of the circuit board as shown (see figure 2). Remove the backlight from the display. Next, cut the remaining film from the bottom of the metal lamp cavity and remove the film.
7. Remove the two 1/4" nuts from the mounting studs located adjacent to the backlight location on the LCD.
8. Place the new lamp socket supplied with the kit over the mounting studs and into the metal socket housing located on the LCD. Make sure the lamp opening in the socket is facing the center of the LCD and the wires are exiting the back of the socket (see Figure 3).
9. Install a nylon thumbscrew over each mounting stud and tighten securely by hand to hold the socket in place. If the front panel was removed, install the plastic front panel back onto the unit. Make sure to route the backlight lead through the bushing before screwing the panel to the door. Connect the ribbon cables and wires to their correct locations. Turn power back on to the unit. Adjust the contrast control to the desired setting. Write the date of installation in the Field Mod. 104 box on the label located on the lid of the electronics enclosure. Close the upper enclosure and lock.

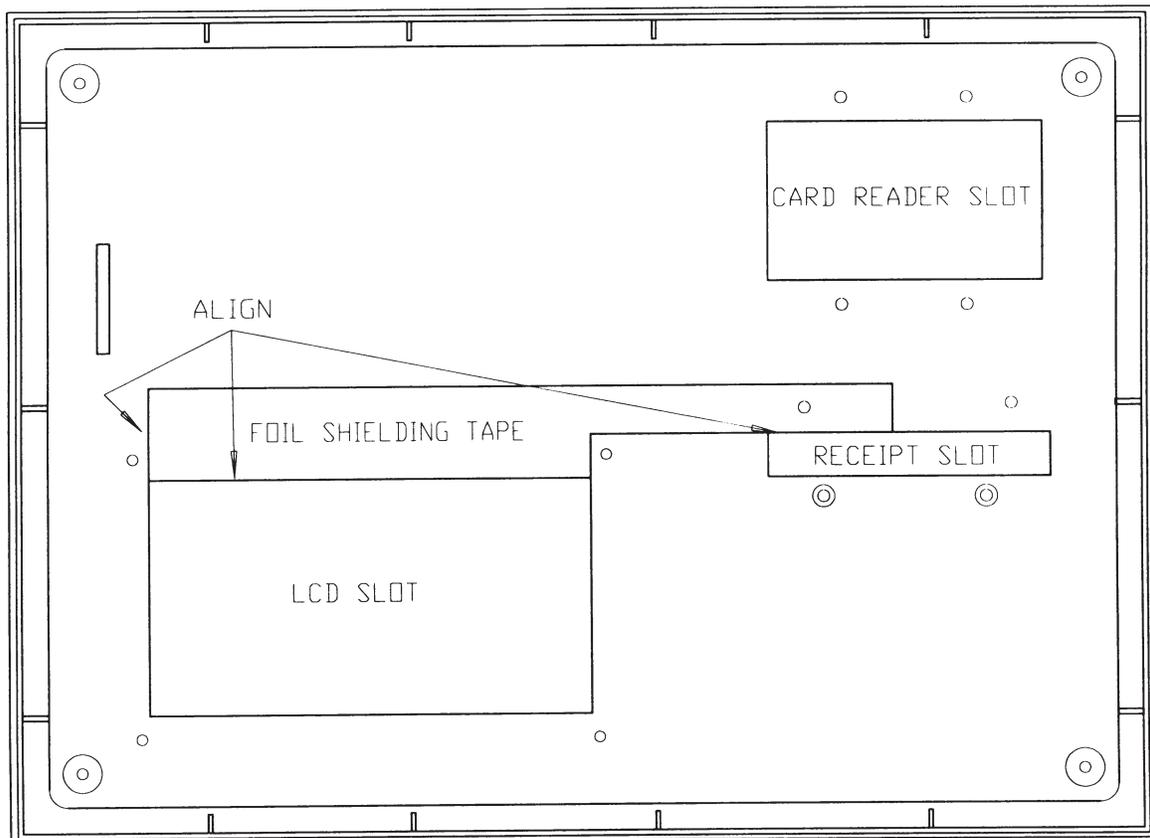


FIGURE 1. SHIELDING TAPE LAYOUT

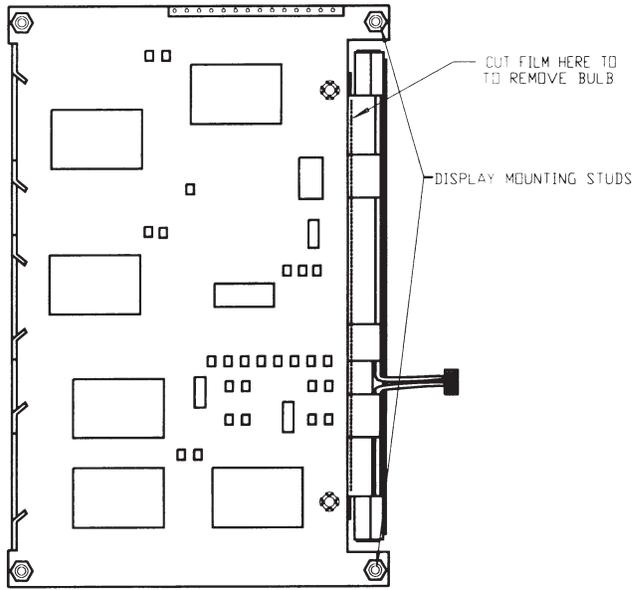


FIGURE 2. LAMP REMOVAL

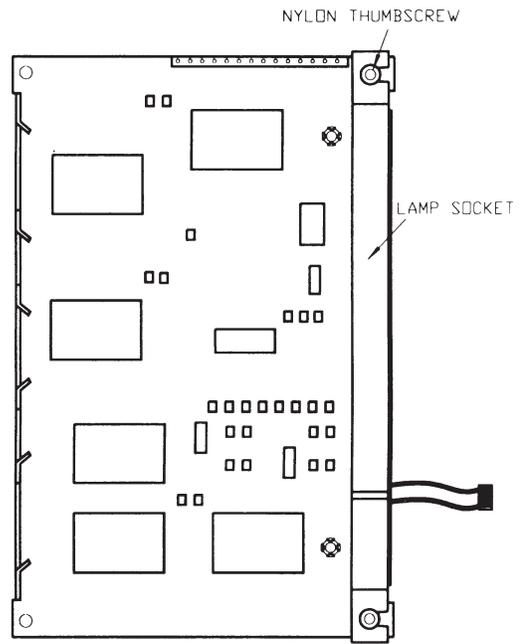


FIGURE 3. SOCKET PLACEMENT