

# Enhanced Color TFT 10 Inch Bulb Kit

## Introduction

These instructions explain how to replace backlight bulbs. The instructions include steps for disassembling the unit, removing the old bulbs, installing new ones, and reassembling the unit. These instructions are used with replacement kit BLR-6110. Follow the section of these instructions that applies to your unit.

Bulb kit BLR-6110 is used in the following platform and model numbers of Color PowerStations.

Platform	Model #	Serial #*
PS10/PC10/ PX10	PX10-xx2-xxx- xxx	104 and higher
HPC10/HPX10	HPX10-xx(4 or 6)-xxx-xxx	All serial num- bers
P1 10"	P15-xxxxx-x	101 and higher

\* This number is the last three digits of the unit serial number found on the Model/Serial number label.



### Warning

For safety reasons, the unit should be opened only by qualified service personnel.

Be sure to observe electrostatic discharge (ESD) precautions while working inside the unit.

## Before You Start

You must remove the unit from its enclosure (if installed) to gain access to the display. Consult the appropriate PowerStation User Guide for your system if you need help with the removal.

To complete these instructions, you will need the following items:

- The backlight bulb replacement kit that you purchased, which includes the following:
  - 1 backlight replacement bulb
  - Electrostatic Discharge Kit

- Flat-head screwdriver
- Phillips-head screwdriver

## Electrostatic Discharge Precautions

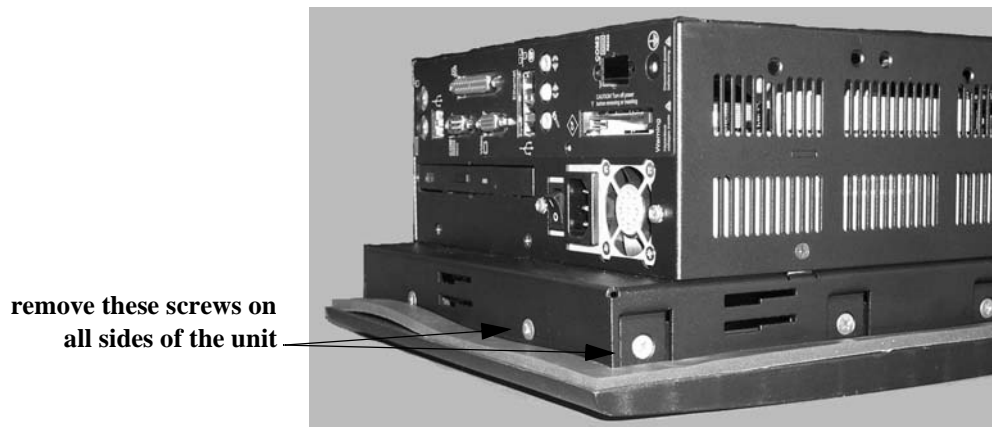
Modern integrated electronic devices, especially CPUs and memory chips, are extremely sensitive to electrostatic discharges (ESD) and fields. Before you disassemble the PowerStation, be sure to use the Electrostatic Discharge Kit to protect you and the PowerStation from harm resulting from ESD.

**Important** Open the Electrostatic Discharge Kit and follow the directions for attaching the wrist strap and handling sensitive electronic components.

## Disassembling the HPC10/HPX10 Units

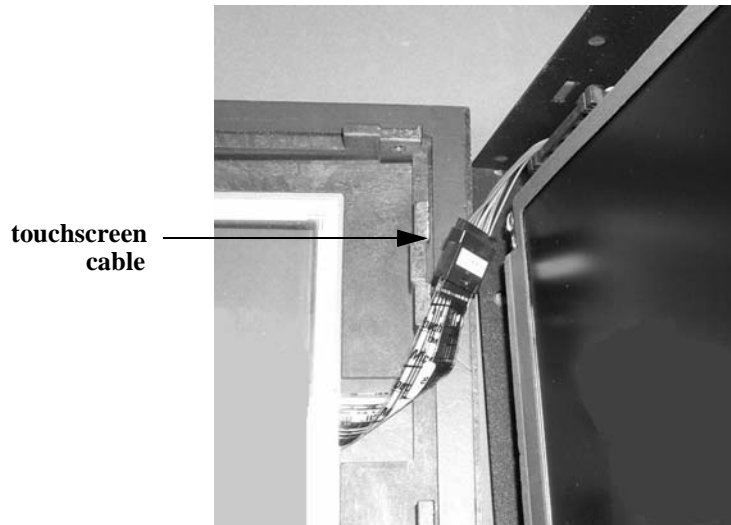
**To disassemble the unit, complete the following steps:**

1. Turn off the unit.
2. Disconnect the unit from the power source.
3. Disconnect all cables attached to the unit.
4. Remove the unit from its enclosure, and place it on its back on a static dissipative mat in a location free from dirt and moisture and protected against static discharge.
5. Remove the 12 screws that secure the touchscreen to the unit shown in *Figure 1*.



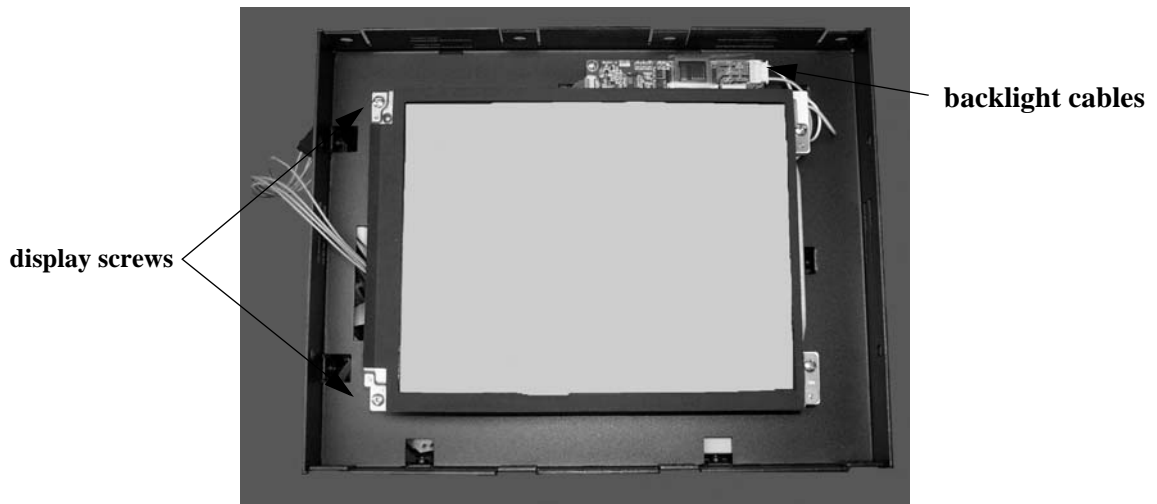
**Figure 1 Removing the Touchscreen Screws**

- Carefully lift the touchscreen to gain access to the touchscreen cable as shown in *Figure 2*.



**Figure 2 Disassembling the Touchscreen**

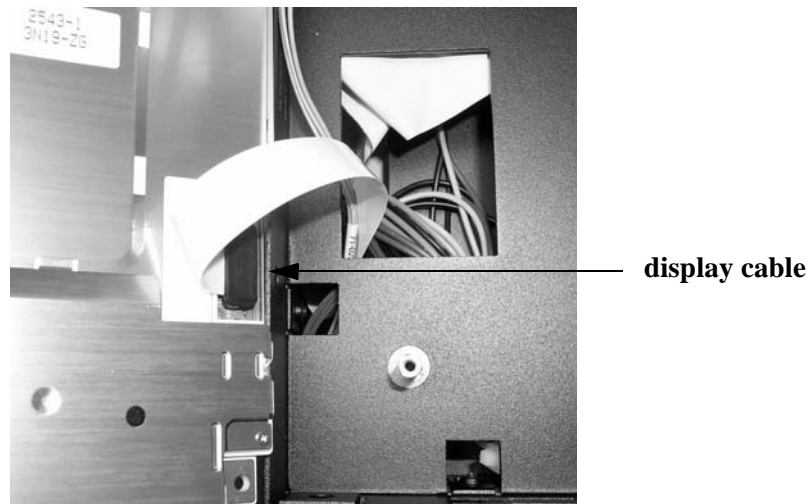
- Disconnect the touchscreen cable shown in *Figure 2*.  
This will free the touchscreen from the rest of the unit. The touchscreen may be placed aside.
- Remove the four screws that secure the display unit as shown in *Figure 3*.



**Figure 3 Display Unit**

- Disconnect the two backlight cables, shown in *Figure 3*, from the inverter board.

10. Gently lift the display unit to gain access to the display cable as shown in *Figure 4*.



**Figure 4 Disconnecting the Display Cable**

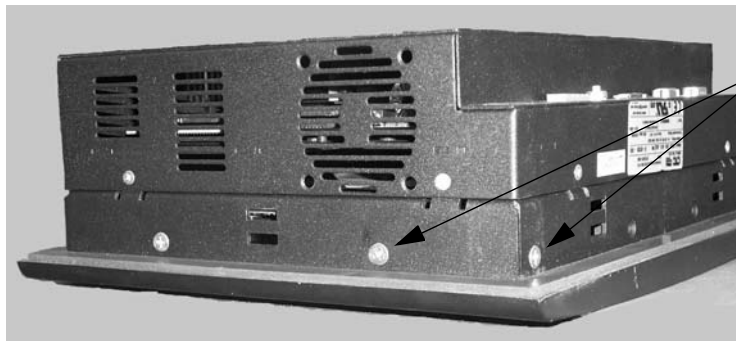
11. Disconnect the display cable.

You are now ready to remove the backlight bulb. Refer to page 7.

## Disassembling the PS10/PC10/PX10 and P1 10" Units

To disassemble the unit, complete the following steps:

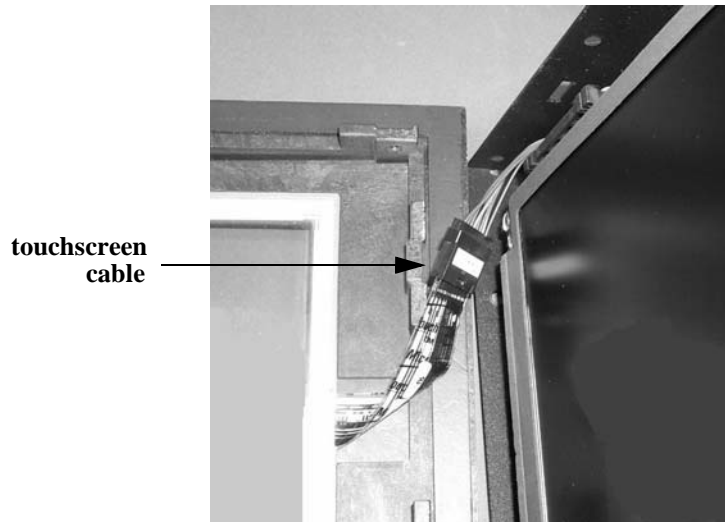
1. Turn off the unit.
2. Disconnect the unit from the power source.
3. Disconnect all cables attached to the unit.
4. Remove the unit from its enclosure, and place it on its back on a static dissipative mat in a location free from dirt and moisture and protected against static discharge.
5. Remove the 12 screws that secure the touchscreen to the unit shown in *Figure 5*.



remove these screws  
on all sides of the unit

**Figure 5 Removing the Touchscreen Screws**

6. Carefully lift the touchscreen to gain access to the touchscreen cable as shown in *Figure 6*.



touchscreen  
cable

**Figure 6 Disassembling the Touchscreen**

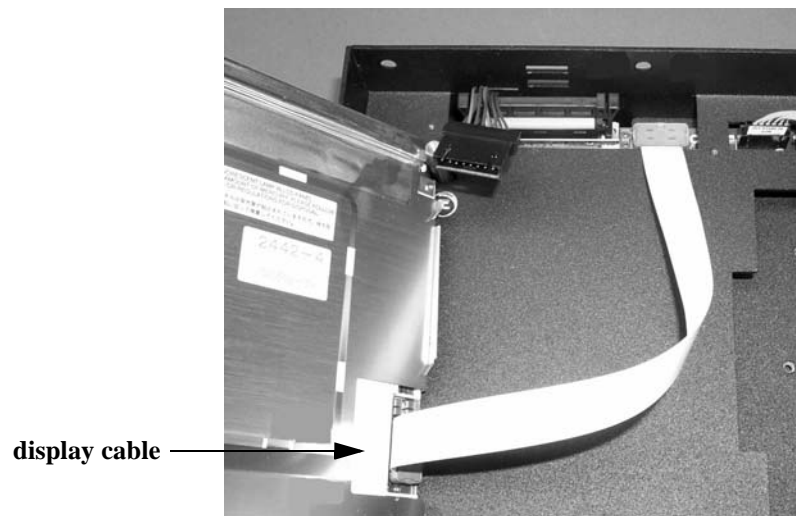
7. Disconnect the touchscreen cable shown in *Figure 6*.  
This will free the touchscreen from the rest of the unit. The touchscreen may be placed aside.

8. Remove the four screws that secure the display unit as shown in *Figure 7*.



**Figure 7 Display Unit**

9. Disconnect the two backlight cables, shown in *Figure 7*, from the inverter board.
10. Gently lift the display unit to gain access to the display cable as shown in *Figure 8*.



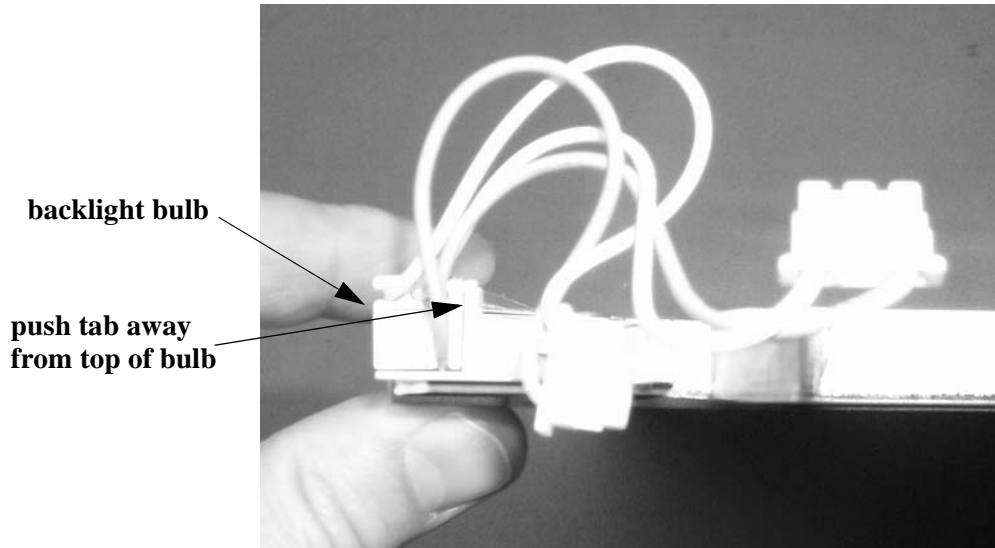
**Figure 8 Disconnecting the Display Cable**

11. Disconnect the display cable.  
You are now ready to remove the backlight bulb. Refer to page 7.

## Removing Backlight Bulb (all units)

To remove the old backlight bulb, complete the following steps:

1. Locate the backlight bulb on the side of the display unit. See *Figure 9*.
2. While pushing the tab away from the top of the bulb, as shown in *Figure 9*, gently pull the backlight bulb cable to remove the bulb.



**Figure 9 Removing the Backlight Bulb**

## Installing Backlight Bulb (all units)

To install the new backlight bulb, complete the following steps:

**Important** Make sure that all of the backlight and display components are free of dust or dirt before you assemble them.

1. Insert the new bulb into the socket where you removed the old bulb.
2. Slide the bulb completely into the socket until it locks in place.

## Reassembling the HPC10/HPX10 Units

To reassemble the unit, complete the following steps:

1. With the PowerStation resting on its back, reconnect the display cable.
2. Re-attach the backlight cable to the inverter board.

When re-attaching the backlight cables, you may find it easier to unscrew the inverter board to gain better access to the backlight cable connector. Ensure you secure the inverter board back in place if this is the case.

3. Align the display unit with its screw holes.
4. Screw the display unit into place using the four screws you removed previously.

5. Re-attach the touchscreen cable.
6. Lay the touchscreen on the unit.
7. Replace the 12 screws you previously removed to secure the touchscreen to the unit.

This completes the assembly of the unit. You may now install your PowerStation in its protective enclosure and connect the power.

When you first operate the unit, you may need to calibrate the touchscreen. If the position of the cursor does not match the location where the user touches the screen, see *Calibrating the Touchscreen* in the appropriate PowerStation User Guide for your system.

## Reassembling the PS10/PC10/PX10 and P1 10" Units

**To reassemble the unit, complete the following steps:**

1. With the PowerStation resting on its back, reconnect the display cable.
2. Replace the display unit and align it with its screw holes.
3. Screw the display unit into place using the four screws you previously removed.
4. Re-attach the backlight cable to the inverter board.

When re-attaching the backlight cables, you may find it easier to unscrew the inverter board to gain better access to the backlight cable connector. Ensure you secure the inverter board back in place if this is the case.

5. Re-attach the touchscreen cable.
6. Lay the touchscreen on the unit.
7. Replace the 12 screws you previously removed to secure the touchscreen to the unit.

This completes the assembly of the unit. You may now install your PowerStation in its protective enclosure and connect the power.

When you first operate the unit, you may need to calibrate the touchscreen. If the position of the cursor does not match the location where the user touches the screen, see *Calibrating the Touchscreen* in the appropriate PowerStation User Guide for your system.