12 and 15 Inch Bezel Replacement

Introduction

This document describes the procedures required to replace the bezel in PS Series PowerStations with 12 or 15 inch displays. This document is included with the following bezel replacement kits:

- BZK-1201

- BZK-1501

It includes instructions for opening the PowerStation, reassembling the unit and closing the PowerStation, and restoring the unit to operation.

These instructions describe the procedures used on 12 inch and 15 inch PowerStations. The 12 inch PowerStation incorporates a Philips display while the 15 inch PowerStation incorporates a Sharp display. While the majority of the steps are identical, differences will be clearly identified in the text.

Warning Observe normal precautions against electrostatic discharge (ESD) to prevent damage to the PowerStation or the bezel assembly.

Before You Start

1. Turn off the unit and disconnect the PowerStation from the power source.

2. Remove the unit from its enclosure (if installed) to gain access to the display.

3. Place the PowerStation on an ESD mat and ensure you have enough working space to remove the major assemblies of the PowerStation.

   Consult your *PS PowerStation User Guide* if you need help with the removal.

Opening the PowerStation

In order to replace bezel, you must first open the PowerStation.

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

To open the PowerStation, complete the following steps:

1. Place the PowerStation on an ESD mat, display face down.

2. Remove the screw on the left side of the unit holding the L shaped bracket to the unit. The bracket is located next to the upper backshell pin as shown in figure 1.
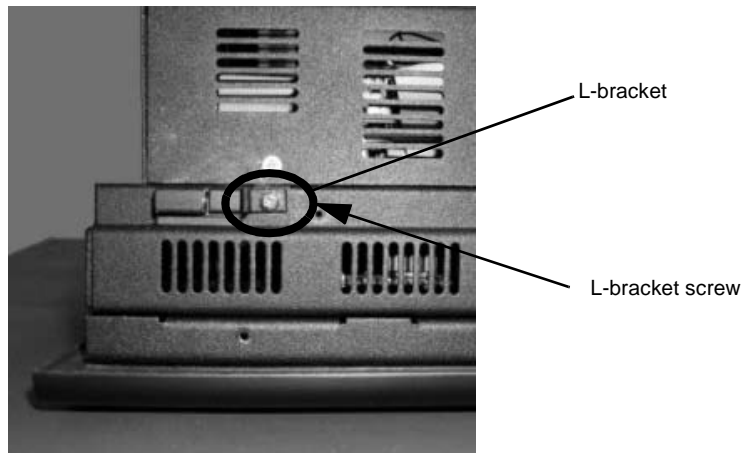

Figure 1: L Bracket Location

3. Remove the four screws holding the backshell plate to the backshell assembly.

4. Set aside the backshell plate.

Warning   Do not touch any of the exposed components on the CPU board; you may damage the equipment.

5. Disconnect the large ribbed display cable by pressing in on the connector tabs and pulling up on the connector. Refer to figure 2.

6. Remove the touchscreen cable by pressing in on the cable tab and lifting up on the cable. Refer to figure 2.
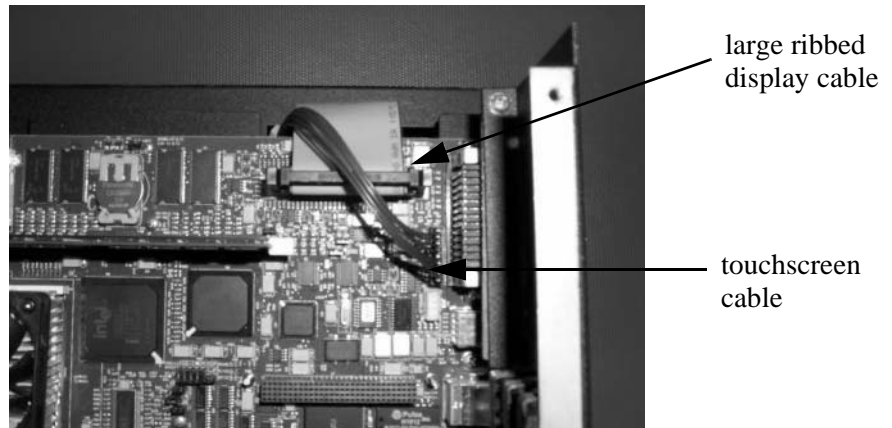
large ribbed
display cable

touchscreen
cable

Figure 2: Display and Touchscreen Cable Locations

7. Remove the two screws securing the backshell to the display assembly.

8. Lift up on the backshell and be sure to feed the large ribbed display cable and touchscreen cable through the upper right slot in the backshell.

9. Tilt the backshell and slide it off the backshell pins.

10. Set asside the backshell section.

11. Remove the three screws securing the display assembly to the bezel. Refer to figure 3 for a Philips (12" unit) display or figure 4 for a Sharp (15" unit) display.

12. Lift the display assembly off the bezel. Be careful to slide the display assembly up out of the lower bezel tabs.

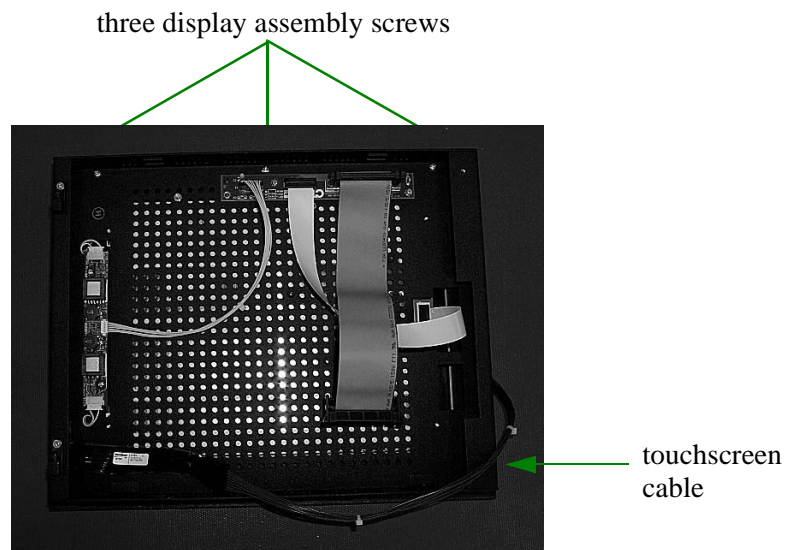13. Slide the touchscreen cable through the slot in the lower left of the bezel assembly.

three display assembly screws

touchscreen
cable

Figure 3: Philips (12" Unit) Display Assembly Cable Locations

three display assembly screws

touchscreen
cable
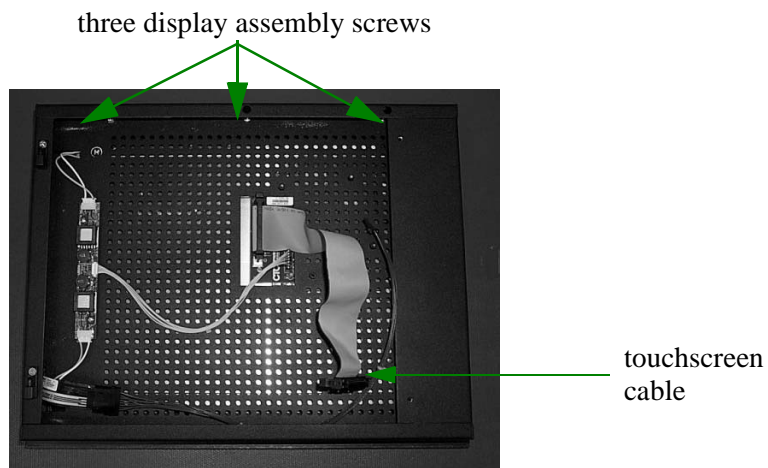
Figure 4: Sharp (15" Unit) Display Assembly Cable Locations

CTC Parker Automation

Reassembling the unit and closing the PowerStation

To reassemble the unit then close the PowerStation, complete the following steps:

1. Position the display assembly on the bezel assembly. Be sure to slide the bezel tabs through the display assembly bottom slots.
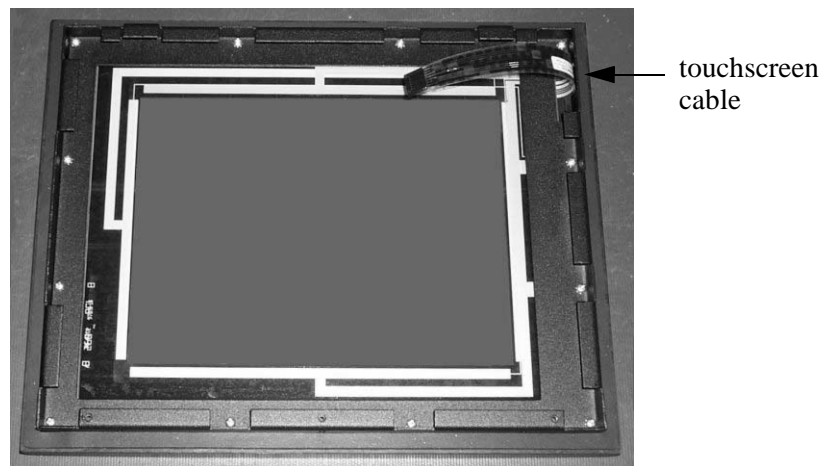

touchscreen cable

Figure 5: Bezel Assembly

2. Weave the touchscreen cable through the lower left slot in the display assembly.

3. Secure the display assembly to the bezel using the three screws removed in step 11 of the *Opening the PowerStation* section. Refer to figure 3 for a Philips (12" unit) display or figure 4 for a Sharp (15" unit) display.

4. Position the backshell assembly over the hinges on the display assembly.

5. Weave the large ribbed display cable through the slot in the backshell assembly.

6. Weave the touchscreen cable through the slot in the backshell assembly.

7. Connect the large ribbed display cable to the connector on the CPU board. Ensure the connector tabs snap in place. Refer to figure 2.

8. Connect the touchscreen cable to the CPU board. Ensure the connector retainer snaps in place. Refer to figure 2.

9. Secure the backshell assembly to the display assembly using the two screws removed in step 7 of the *Opening the PowerStation* section.

10. Secure the L shaped bracket, next to the upper left hinge of the unit using the screw removed in step 2 of the *Opening the PowerStation* section. Refer to figure 1.

11. Position the cover plate over the backshell assembly and ensure the plate tabs slide into the backshell slots.

12. Secure the cover plate to the backshell assembly using the four screws removed in step 3 of the *Opening the PowerStation* section.

Restoring the PowerStation

To restore the PowerStation to operation, complete the following steps:

1. Test the new bezel and touchscreen by connecting the PowerStation to a power source and turning the unit on. If a problem arises, consult these instructions or the *PS PowerStation User Guide*.

2. Turn off the PowerStation and disconnect it from the power source.

3. Return the PowerStation to its enclosure (if previously installed).

4. Reconnect the PowerStation to the power source.

5. Turn on the PowerStation and resume operations.