15 Inch Bezel Replacement

Introduction

This document describes the procedures required to replace the bezel in PS/PX/PC/HPC/HPX Series PowerStations with 15 inch displays. This document is included with the bezel replacement kit BZK-1501.

This document 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 different models of PowerStations. Refer to the section of this document that pertains to your particular model of PowerStation.

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

PS/PX/PC Series PowerStations
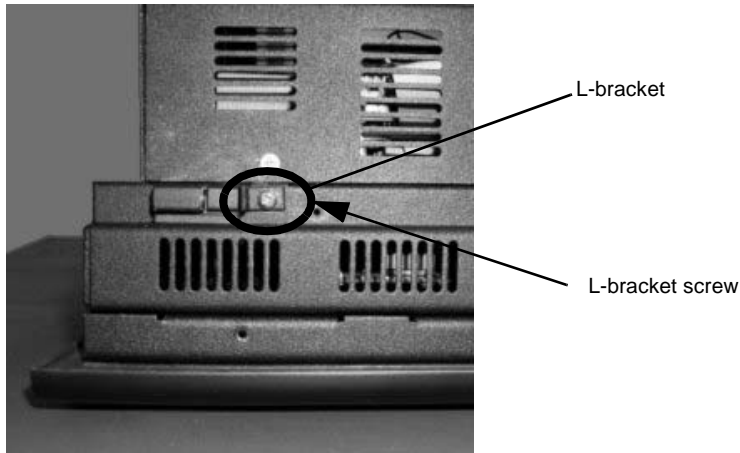
Opening the PowerStation

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.

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 the figure below.
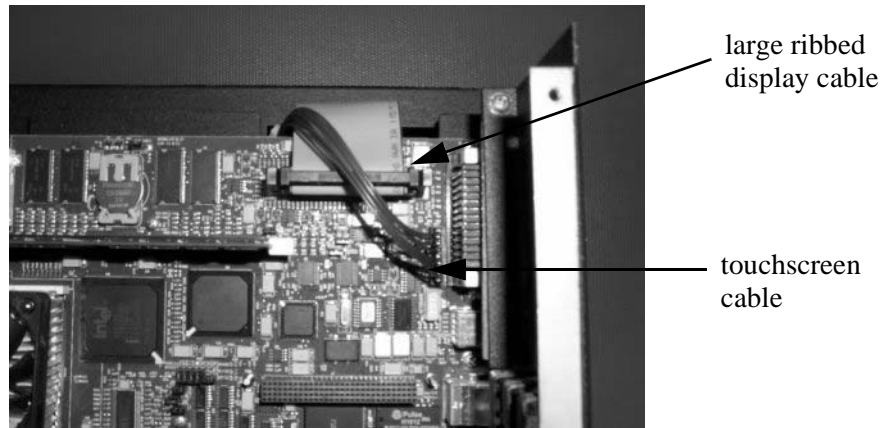

L-bracket

L-bracket screw

3. Remove the four screws holding the backshell plate to the backshell assembly.
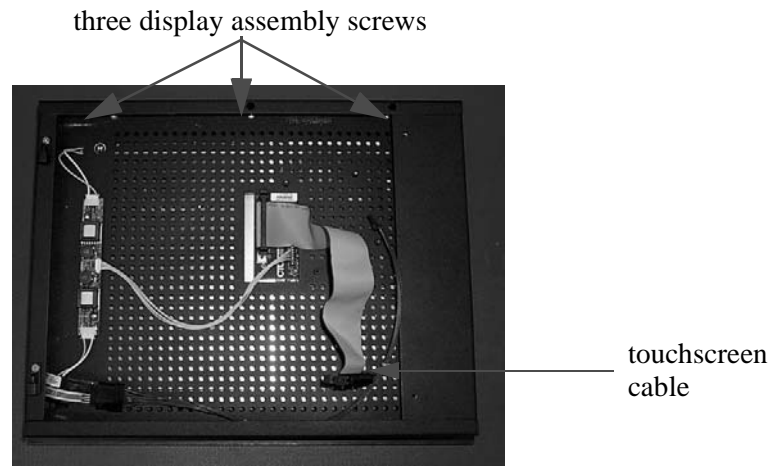
4. Set aside the backshell plate.

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 the figure on page 3.

6. Remove the touchscreen cable by pressing in on the cable tab and lifting up on the cable. Refer to figure on page 3.
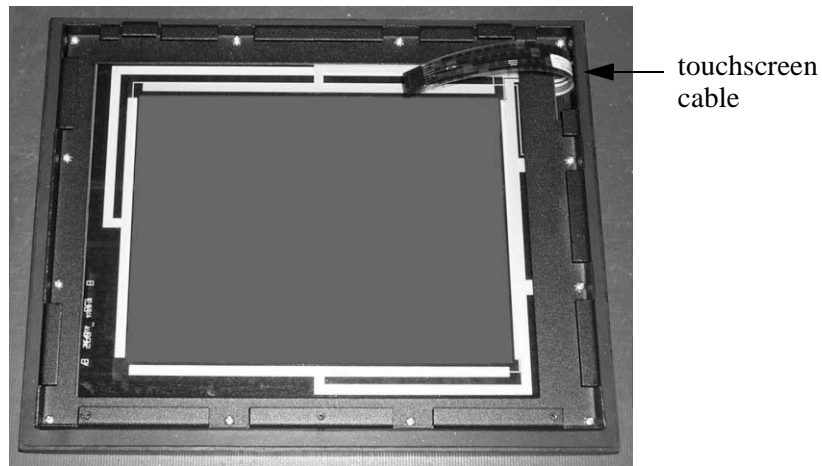
large ribbed
display cable

touchscreen
cable

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 aside the backshell section.

11. Remove the three screws securing the display assembly to the bezel. Refer to the figure on page 4.

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

Reassembling the unit and closing the PowerStation

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

touchscreen
cable

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 the figure on page 4.

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 the figure on page 3.

8. Connect the touchscreen cable to the CPU board. Ensure the connector retainer snaps in place. Refer to the figure on page 3.

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 the figure on page 2.

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.

HPC/HPX Series PowerStations

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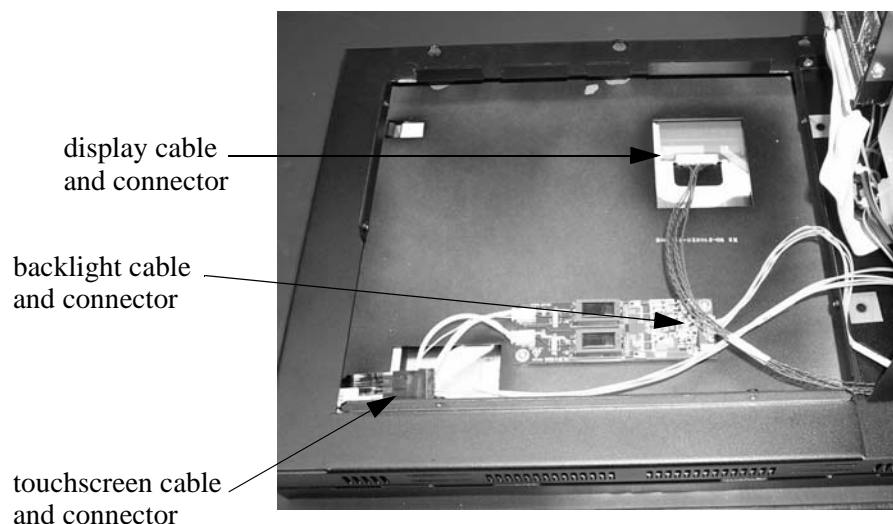
1. Place the PowerStation on an ESD mat, display face down.

2. Remove the 8 screws holding the backshell assembly to the display assembly.
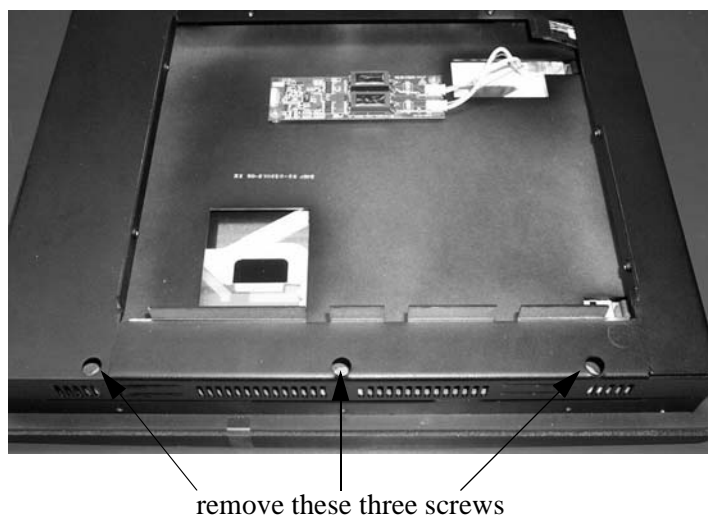

2 screws on each side

3. Tilt the backshell assembly to the side to access the cables.

4. Disconnect the blue touchscreen cable by pulling on the connector. Refer to the figure below.

5. Diconnect the yellow backlight cable by carefully prying the cable from its connector on the inverter board.

6. Disconnect the red/black twisted display cable by carefully prying the

cable from its connector on the display board.

display cable
and connector

backlight cable
and connector

touchscreen cable
and connector

7.   Remove the three screws securing the display assembly to the touch-
     screen. Refer to the figure below.

remove these three screws

8.   Pull the assembly towards you to disengage the display assembly from

the metal tabs.

Reassembling the unit and closing the PowerStation

1. Weave the touchscreen cable through the slot in the display assembly.

2. Position the display assembly on the touchscreen assembly. Be sure to slide the display assembly underneath the tabs located on the touch-screen assembly.

3. Secure the display assembly to the touchscreen using the three screws removed in step 7 of the *Opening the PowerStation* section. Refer to the figure above.

4. Connect the touchscreen, display, and backlight cables to their respective connectors. Refer to the figure on page 7.

5. Secure the backshell assembly to the display assembly using the 8 screws removed in step 2 of *Opening the PowerStation* section.

Restoring the PowerStation

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 *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.