

PC9/P9 Bezel Replacement

Introduction

These instructions explain how to replace the bezel in the PC9 Industrial PC or the P9 PowerStation. The bezel is the front part of the unit that encloses the display screen. This documentation includes instructions for replacing touchscreen and non-touchscreen bezels. The instructions explain how to disassemble the unit, remove the old bezel, install a new bezel, and reassemble the unit.



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

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

To complete this procedure, you will need the following items:

- Bezel kit that you purchased:
 - P9/PC9 Non-touchscreen Bezel Kit for use with 12" display units (BZK-1200)
 - P9/PC9 Non-touchscreen Bezel Kit for use with 15" display units (BZK-1500)
 - P9/PC9 Touchscreen Bezel Kit for use with 12" display units (BZK-1201)
 - P9/PC9 Touchscreen Bezel Kit for use with 15" display units (BZK-1501)
- Phillips-head screwdriver

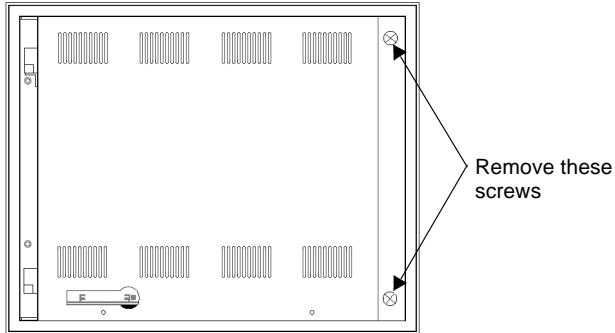
Disassembling the Unit

To disassemble the unit, follow these 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 a static dissipative mat, in a location free from dirt and moisture and protected against static discharge.

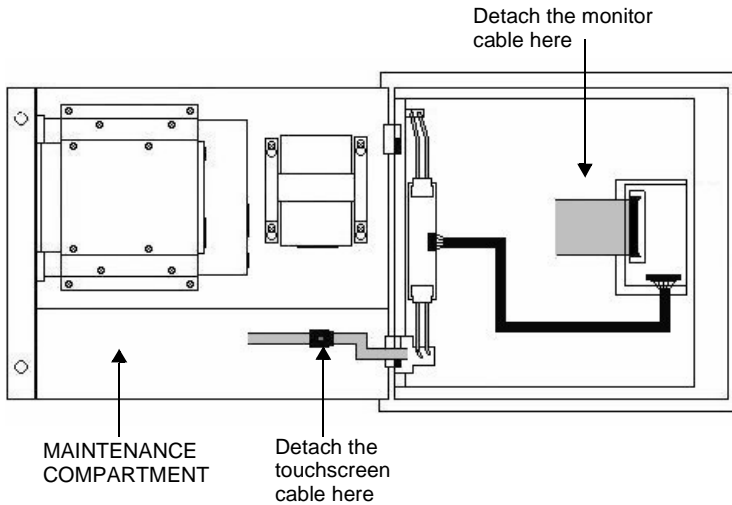
5. Remove the two screws securing the backshell to the faceplate assembly, as shown in Figure 1.

Figure 1: Opening the Backshell



6. Swing the backshell away from the faceplate.
7. If you have a PC9, detach the two cables connecting the faceplate assembly and backshell, as shown in Figure 2. Then go to step 9.

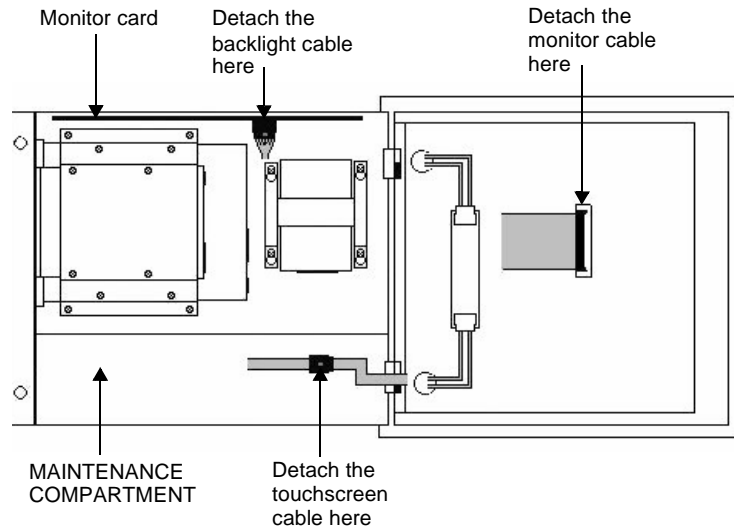
Figure 2: Disconnecting PC9 Cables



- a. Detach the monitor (ribbon) cable from its connection at the center of the monitor frame (push back the locking clamps from either side of the monitor).
- b. If your system has a touchscreen, detach the touchscreen cable from its extender in the maintenance compartment.

8. If you have a P9, detach the three cables connecting the faceplate assembly and backshell, as shown in Figure 3.

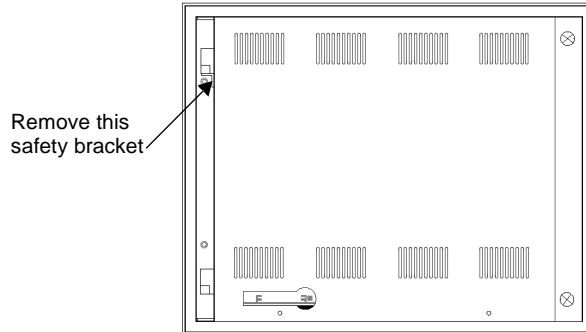
Figure 3: Disconnecting P9 Cables



- a. Detach the monitor (ribbon) cable from its connection at the center of the monitor frame (push back the locking clamps from either side of the connector).
 - b. If your system has a touchscreen, detach the touchscreen cable from its extender in the maintenance compartment.
 - c. Detach the backlight cable from its connection on the monitor card (press down on the small tab on the lower half of the connector, and pull the cable out).
9. Remove the safety bracket below the upper hinge of the backshell by removing the screw that holds the bracket in place. This bracket is shown in Figure 4 on page 4.

Warning Make sure that both the faceplate assembly and backshell are supported when you remove the safety bracket and when you open the backshell.

Figure 4: Removing the Safety Bracket



10. Lift the backshell off its hinges, and place it to one side.

Warning When lifting the backshell, grasp it from the outside. Be careful **not** to touch the monitor card, located inside the top of the maintenance compartment. The monitor card is shown in Figure 3 on page 3.

11. Place the faceplate assembly face-down on the static dissipative mat.

Replacing the Bezel

Replacing the bezel is different depending on which unit you are working on, a P9 or PC9. Follow the instructions carefully.

To replace the bezel, follow these steps:

1. Remove the 10 retaining screws (P9), or 3 retaining screws (PC9) around the outer monitor frame.
2. Lift the outer monitor frame off the bezel, and set it to one side.
3. Remove the 12 retaining screws around the inner monitor frame.
4. Replace the old bezel with the new one.

Important Make sure that the new display screen does not get scratched during this assembly. Also, make sure that the display is free of dust or lint before reassembling the unit.

5. Replace the inner monitor frame over the bezel. If necessary, carefully feed the touchscreen cable through the space for it at the low-

er left side of the frame, outside in.

Note If the replacement is a touchscreen bezel, a touchscreen (ribbon) cable will be attached to the lower left part of the display screen. This cable is absent in non-touchscreen bezels.

6. Fasten the outer monitor frame in place with the 10 screws (P9), or 3 screws (PC9) that you removed in step 1 on page 4.

Reassembling the Unit

To reassemble the unit, follow these steps:

1. Replace the backshell on its hinges.

Warning When lifting the backshell, grasp it from the outside. If you have a P9, be careful **not** to touch the monitor card, located inside the top of the maintenance compartment. The monitor card is shown in Figure 3 on page 3.

2. Re-attach the backlight cable, touchscreen cable (if necessary), and monitor cable (if you have a P9) to their connections. (Press the monitor cable connector into its socket until the locking clamps on either side of the socket snap into place).
3. Close the backshell against the faceplate assembly.
4. Replace the safety bracket that you removed in step 9 on page 3, and fasten it in place with its retaining screw.
5. Fasten the backshell to the unit by replacing the two screws that you removed in step 5 on page 2.
6. Reinstall the unit in its enclosure.
7. Reconnect power and other cables to the unit.
8. Reconnect the unit to the power source.

Your bezel replacement is complete. You may now restart the unit.

