

RS Monitor Backlight Replacement

Replacement Instructions

The RS Monitor's two backlight bulbs should provide many hours of service. However, if they burn out, you can easily replace them.

Note Backlight bulbs tend to have a consistent life span. For this reason, you may wish to replace both bulbs at the same time.

To replace the backlight bulbs, first open the back cover of the RS Monitor, then replace the backlight bulbs, then close the back cover.



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

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

Opening the back cover

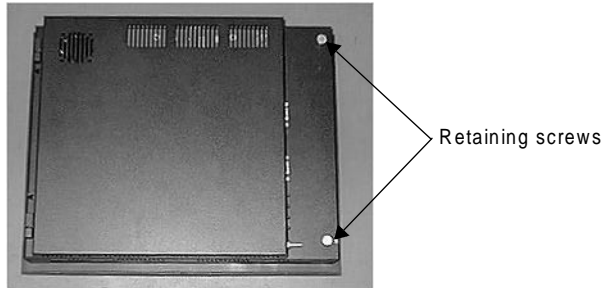
To open the back cover of the RS Monitor, complete the following steps:

1. Turn off the computer to which the monitor is connected.
2. Turn off the monitor.
3. Unplug the monitor from its power source.
4. Disconnect the three cables attached to the upper left side of the monitor:
 - a. Power Input cable
 - b. Touchscreen cable (touchscreen monitors only)
 - c. Analog Video Input cable.
5. Remove the monitor from its enclosure or arm.
6. Place the monitor face down on a static dissipative mat in a location free from dirt and moisture and protected against static discharge.
7. If your monitor has been mounted on an adjustable arm, remove the screws that attach the monitor mounting cover to the back cover of the monitor; remove the monitor mounting cover.

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8. Remove the two retaining screws that secure the back cover, as shown below.

Note The illustration below is of the 12.1" RS Monitor.

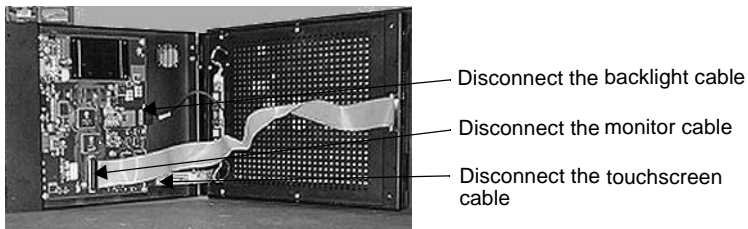


9. Open the back cover from the right side. It will swing from right to left on its hinges.

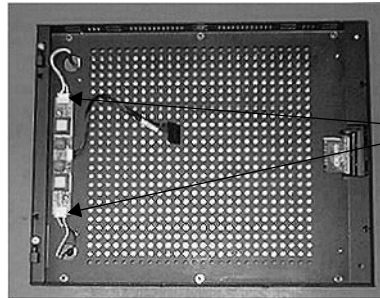
Replacing the Backlight Bulbs

To replace the backlight bulbs, complete the following steps:

1. Disconnect the three internal cables as shown below:
 - a. Lift up the locking clamps from either side of the monitor data cable connector at the right side of the monitor frame; disconnect the cable.
 - b. Disconnect the backlight cable from its connection on the video controller board, inside the back cover.
 - c. If the monitor has a touchscreen, disconnect the internal touchscreen cable from its connection on the video controller board, inside the back cover.



2. Slide the back cover up, off of its hinges, and set it to one side of the monitor.
3. Unfasten the 10 screws around the monitor frame, and lift the frame from the bezel.
4. On the left side of the monitor frame is a board, shown below, to which internal cables from the backlight bulbs are fastened at the top and bottom. Disconnect the cables leading from the bulbs.



Disconnect the backlight cables at these points

5. Tilt the frame up on its right side so that you can see the ends of the backlight bulbs facing up as shown below.

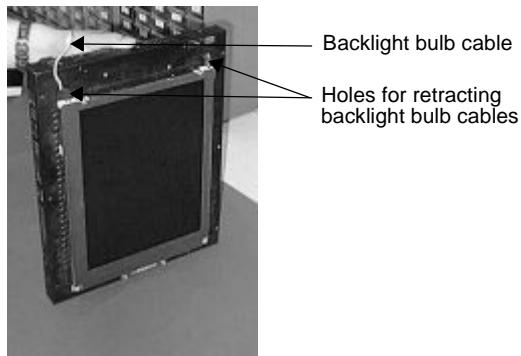
Note If you are right-handed, you may be able to perform this procedure more easily if you turn the frame as shown below, so that the bulbs are to your right.



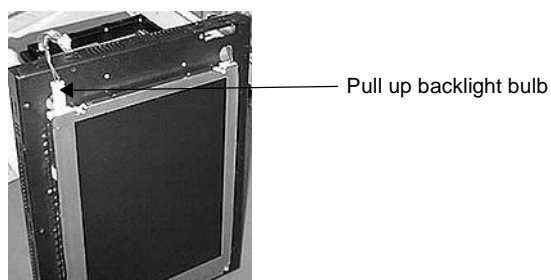
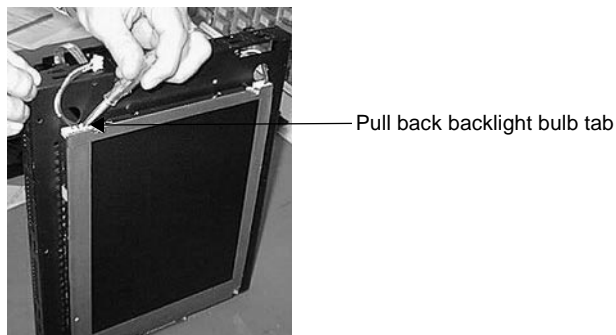
Backlight bulbs

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6. Pull the ends of the cable leading from each bulb through the hole in the back of the frame near it so that the cables are on the same side of the frame as the bulbs. This step is shown below.



7. Using a small, flat-tipped screwdriver, gently pull back the white tab next to the top of each bulb, and lift the bulb out of the frame, as shown in the next two illustrations. You can most easily remove a bulb by gently pulling up on its cable.



8. Insert the new bulbs.
9. Thread the cable for each new bulb through the hole in the back of the frame near it, and refasten the cable to its place on the backlight bulb board.
10. Replace the monitor frame over the bezel. Carefully, feed the touchscreen cable through the space for it at the lower left side of the frame, outside in.
11. Fasten the frame in place with the 10 screws removed in step 4.
12. Replace the back cover of the monitor onto its hinges.
13. Re-attach the backlight cable, the monitor cable, and (if necessary) the internal touchscreen cable to their connections on the video controller board.
14. Re-attach the monitor cable to its connection at the right side of the frame. Gently, push down on the monitor cable's connector until the locking clamps at each side of the connector snap into place.

Closing the back cover

To close the back cover of the RS Monitor, complete the following steps:

1. Close the back cover of the monitor, and fasten its two retaining screws.
2. If your monitor is mounted on an adjustable arm, replace the monitor mounting cover on the back cover of the monitor, and fasten the retaining screws that you removed in step 7 above.
3. Reinstall the unit in its enclosure or on its arm.
4. Re-attach the Power Input cable, Touchscreen cable (touchscreen monitors only), and Video Input cable at the left side of the monitor.
5. Reconnect the monitor to a power source.

Backlight bulb replacement is now complete. You may restart the monitor and the computer.

