



Installing the WS5 Fingerprint Reader

This document describes how install the optional Workstation 5 Finger Print Reader and connect it to the system board.

Open the Workstation

Refer to Figure 1.

1. Remove all cables from the IO panel including the AC power cable.
2. Place a towel or soft cloth on your work surface to protect the touchscreen, then place the workstation face down on this surface.
3. Loosen the pair of captive screws that hold the top cover in place.
4. Return the unit to the normal operating position. Lift the front of the cover up and the back of the cover will release. Set the cover aside.
5. Remove the screw that fastens the LCD/ Touchscreen assembly to the base.
6. Lift the front of the LCD/Touchscreen assembly up about one inch, then pull it forward slightly to clear the base while at the same time placing the assembly to the right side of the base. If you encounter resistance when lifting the LCD, check to ensure that a cable is not snagged on the Mini-PCI connector.
7. Remove the LCD, Backlight and Touchscreen Interface Cables from the system board and place the LCD/ Touchscreen assembly aside.

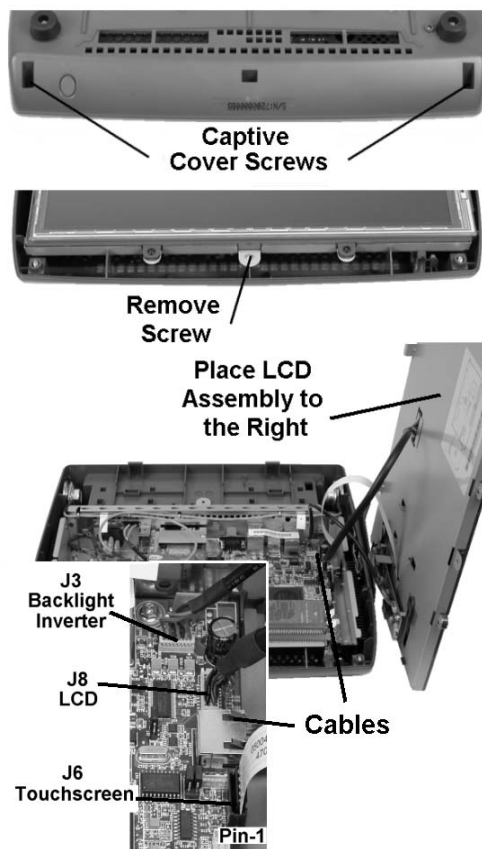


Figure 1: Removing the Workstation Cover

Installation Considerations

The fingerprint reader assembly can be installed in the left or right cut-out as required. The reader can also be oriented with the sensor at the top or bottom of the housing.

Installing the Fingerprint Reader

1. Remove the left or right from the the cover. Figure 2.

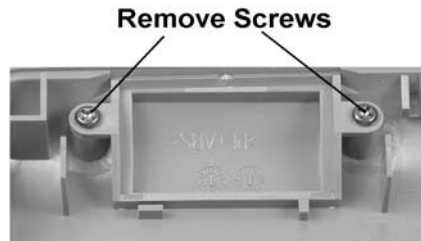


Figure 2: Remove the Plastic Knock-Out

2. Feed the interface cable through the bracket, then attach the bracket to the cover using the outside screw holes. Fasten the reader housing to the bracket using the inside screw holes. Figure 3.

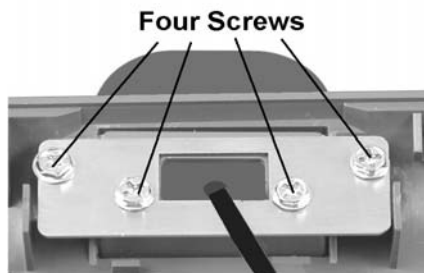


Figure 3: Installing the reader mounting plate

3. Route the interface cable under the speaker cable and along the left side and under the cage heat sink to the front of the unit. Figure 4.
4. Attach the interface cable through the cage to the 2x10 USB connector, J10. Figure 4.

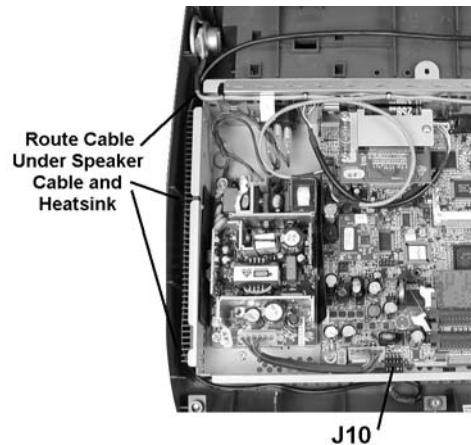


Figure 4: Routing the Interface Cable

Replace the Workstation Cover

To reassemble the workstation, reverse the steps performed to remove the cover while referring to Figure 1.

1. Install the LCD, Backlight, and Touchscreen Interface Cables as shown in Figure 1.
2. Install the LCD/Touchscreen Assembly in the base and fasten the single screw.
3. Check the gasket located in the cover to ensure it is seated properly. Install the cover by attaching it to the rear of the base first. Secure the captive cover screws.

Testing the Reader

A test utility, `dpdrvapisample1.exe` is located in the `\DOC\Utilites` folder. Start this utility and the `WTL_CE_Test` window appears. To verify that the reader is functional, place a finger on the reader for one second. If a fingerprint image appears, the unit is working properly.