

# Fingerprint Scanner & Card Reader Guide

67-2100 Rev A

Install and Service for G4 Systems



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# Installing a Fingerprint Scanner on a 1-, 2-, and 3-Cell

The fingerprint scanner on a 1-, 2-, and 3-cell cabinet is located on the card reader bracket and should always be installed with the card reader bracket as a single piece.

## Install the Fingerprint Scanner

1. Perform a graceful shutdown of the G4 cabinet and unplug the power cord from the back of the unit.
2. Open the printer door.
3. Remove the filter access cover.



Figure 1-1. Remove the filter access panel

**1-2 | Installing a Fingerprint Scanner on a 1-, 2-, and 3-Cell**  
Install the Fingerprint Scanner

4. Use the # 2378 cam lock key to unlock the E-Box.



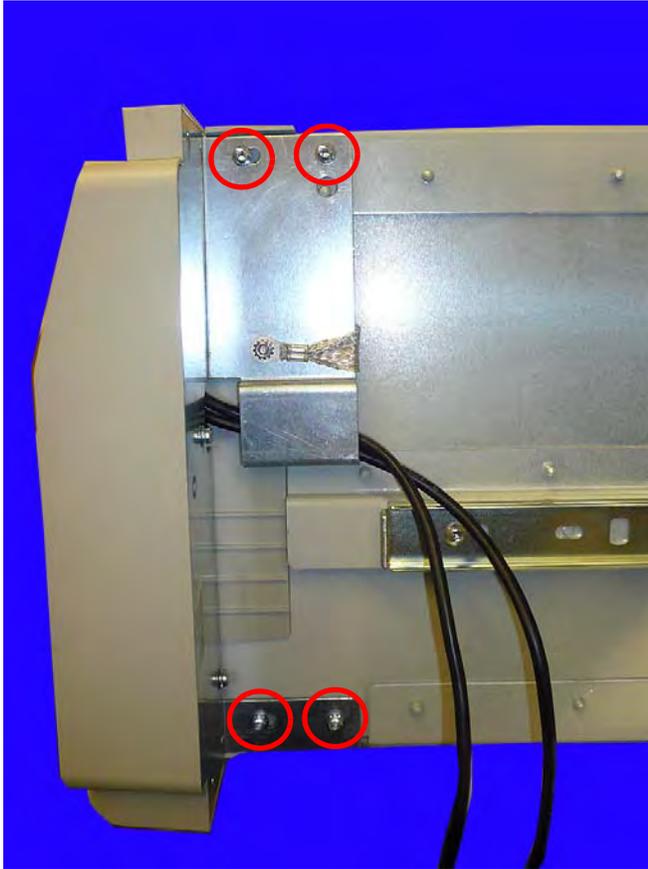
**Figure 1-2.** Unlock the eBox

5. Slide the console out until it locks into place.
6. Place the scanner and card reader bracket in place on the end of the eBox console.



**Figure 1-3.** Put the card reader and fingerprint scanner in place

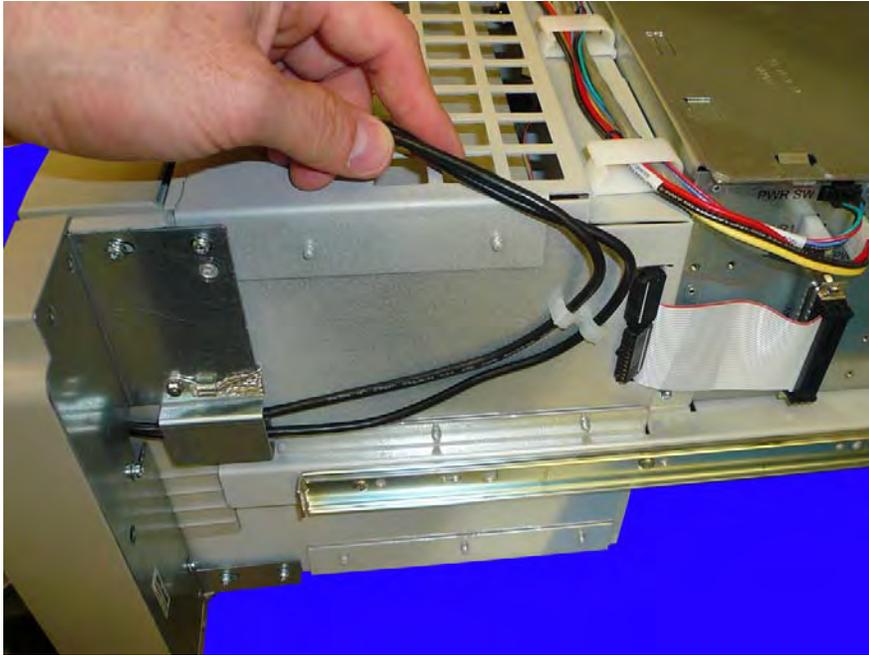
7. Secure the fingerprint scanner bracket with the four screws provided.



**Figure 1-4.** Secure the scanner to the console with the four screws

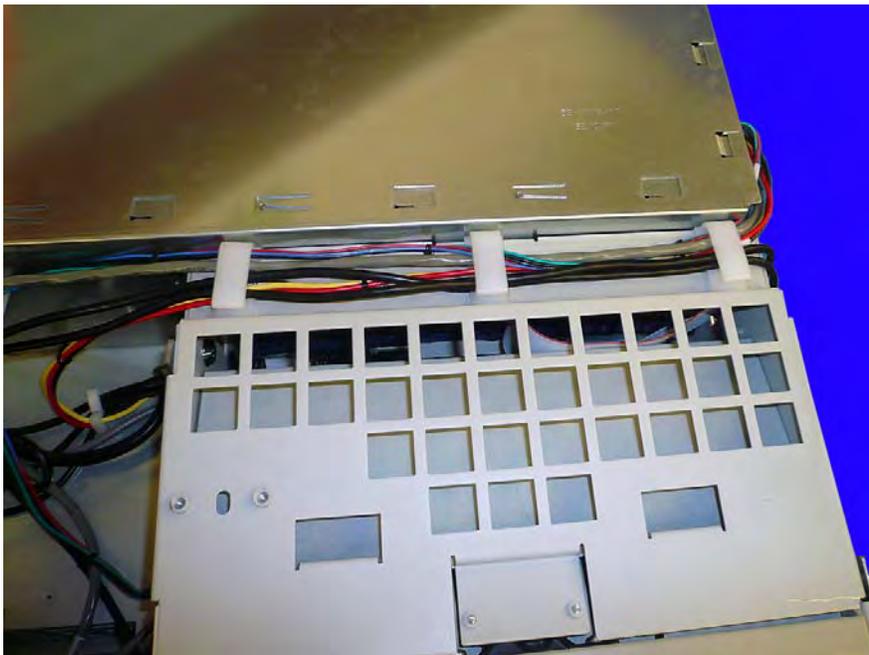
**1-4 | Installing a Fingerprint Scanner on a 1-, 2-, and 3-Cell**  
Install the Fingerprint Scanner

8. If installing a fingerprint scanner and card reader combo, route the two USB cables through the plastic cable clip provided on the side of the console. If only a scanner or card reader is being installed, route the single USB cable through the plastic clip provided.



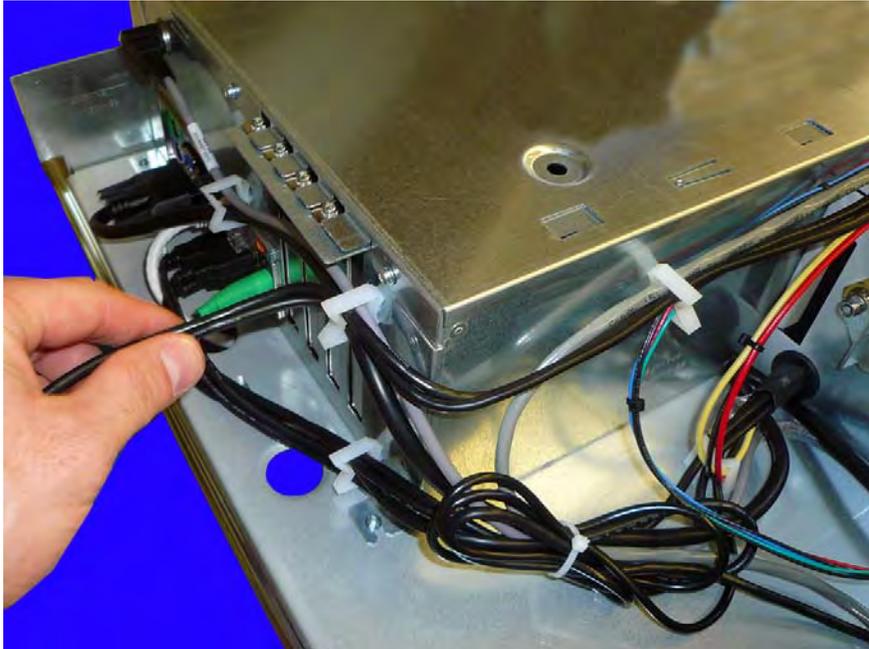
**Figure 1-5.** Route the cable(s) through the cable clip

9. Route the cable(s) through the clips on the top of the eBox console.



**Figure 1-6.** Route the cable(s) through the plastic routing clips on top of the console

10. Route the cable(s) through the two clips near the USB ports.



**Figure 1-7.** Route the cable(s) through the two clips near the USB ports

11. Plug the USB cable(s) into the USB ports on the side of the eBox. The fingerprint scanner USB cable should be plugged into USB0 and the card reader USB cable should be plugged into USB1.



**Figure 1-8.** Plug the USB cable(s) into the USB ports

12. Push the eBox console back into the cabinet.

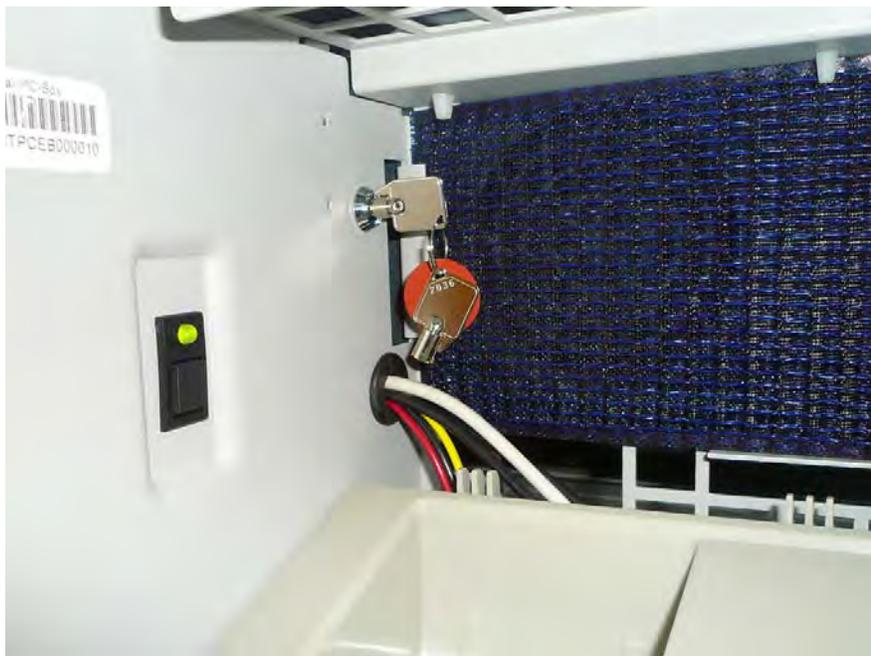
**1-6 | Installing a Fingerprint Scanner on a 1-, 2-, and 3-Cell**  
Install the Fingerprint Scanner

13. Add the M4x14 security screw to the top of the printer enclosure, securing it to the console cover.



**Figure 1-9.** Add the M4x14 security screw

14. Lock the CT PC console into place using the #2378 key. Turn the key vertical to lock the G4 console into place.



**Figure 1-10.** Power on the cabinet

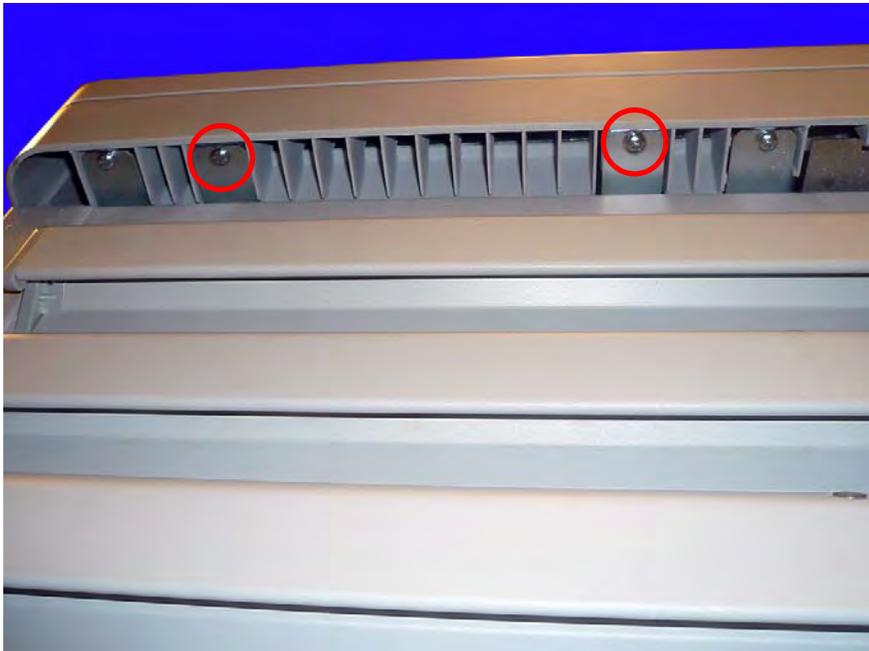
15. Replace the filter access panel.

16. Power on the cabinet.
17. Close the keyboard door.
18. Power up the G4 console.
19. Test the fingerprint scanner to ensure it is working properly.

# Installing a Fingerprint Scanner on an OmniRx

## Remove the Omni Rx Keyboard

1. Perform a graceful shutdown of the OmniRx and unplug the power cord from the rear of the unit.
2. Remove the two screws on the under side of the OmniRx G4 console that secure the keyboard.



**Figure 2-1.** Remove the bottom two keyboard screws

## 2-2 | Installing a Fingerprint Scanner on an OmniRx

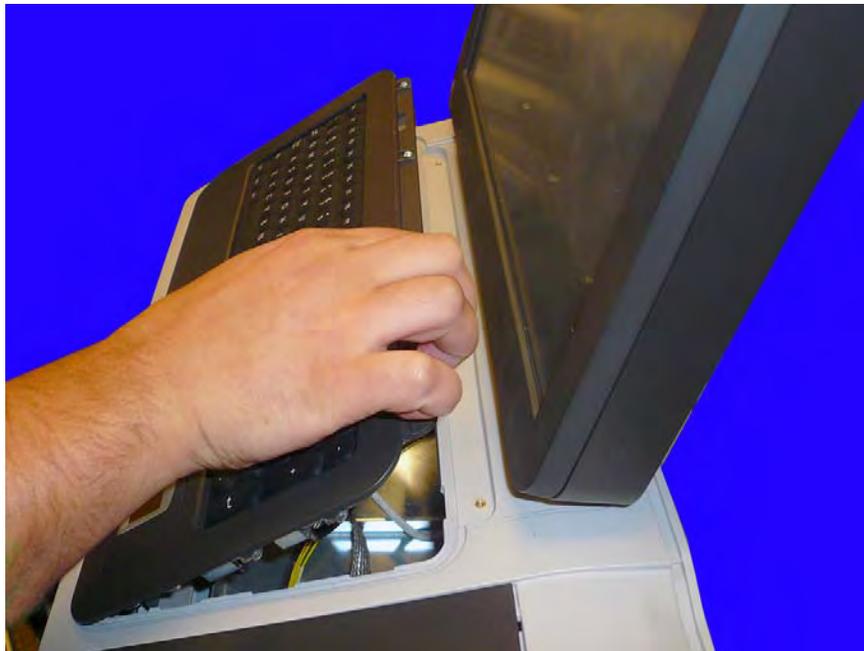
Remove the Omni Rx Keyboard

3. Remove the four screws on the keyboard tray that secure the keyboard to the console.



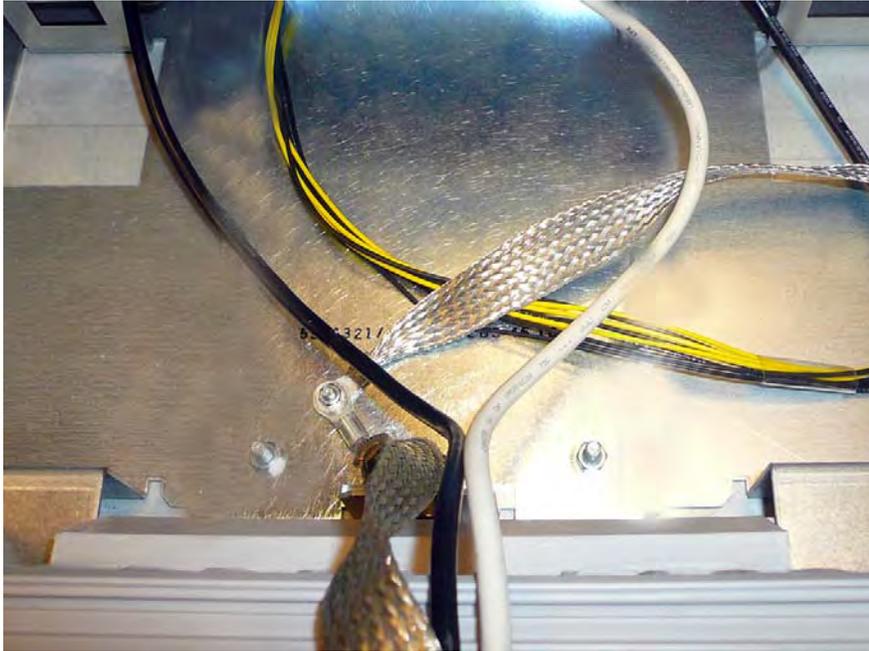
**Figure 2-2.** Remove the top four screws that secure the keyboard

4. Lift and remove the keyboard from the console. Set the keyboard aside.



**Figure 2-3.** Lift and remove the keyboard

5. Remove the nut that secures the keyboard ground cable.



**Figure 2-4.** Remove the keyboard ground cable nut

6. Remove the ground cable.

## Install the Fingerprint Scanner

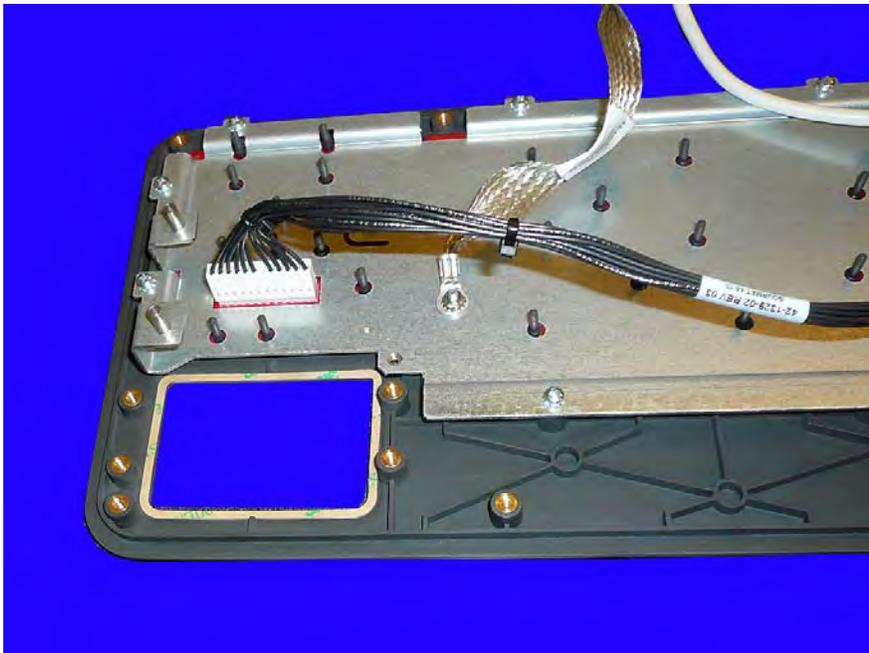
1. If there is a blank plate in place of the scanner location, remove the plate.

2. Ensure that the gasket around the fingerprint scanner is secure.



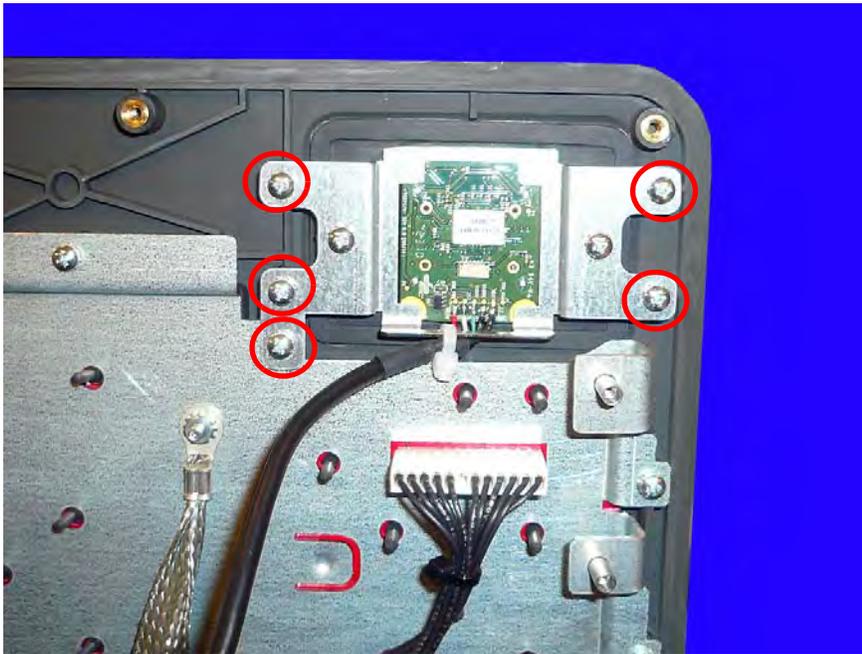
**Figure 2-5.** Ensure the gasket is secure

3. Ensure the gasket around the keyboard is secure as well.



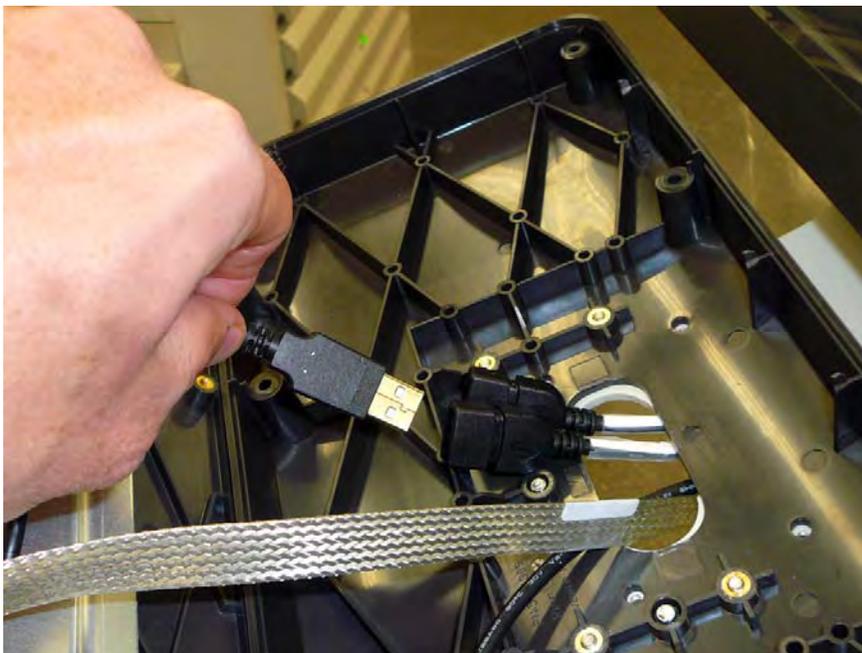
**Figure 2-6.** Ensure the gasket around the keyboard is secure

4. Place the fingerprint scanner into place and secure it with the five screws provided. Ensure the cable is facing toward the data cable.



**Figure 2-7.** Secure the fingerprint scanner to the keyboard tray

5. Plug the scanner into the USB port on the bottom of the keyboard tray.



**Figure 2-8.** Connect the USB cable to the extender

6. Reconnect the any cables that have been disconnected during the install of the fingerprint scanner.

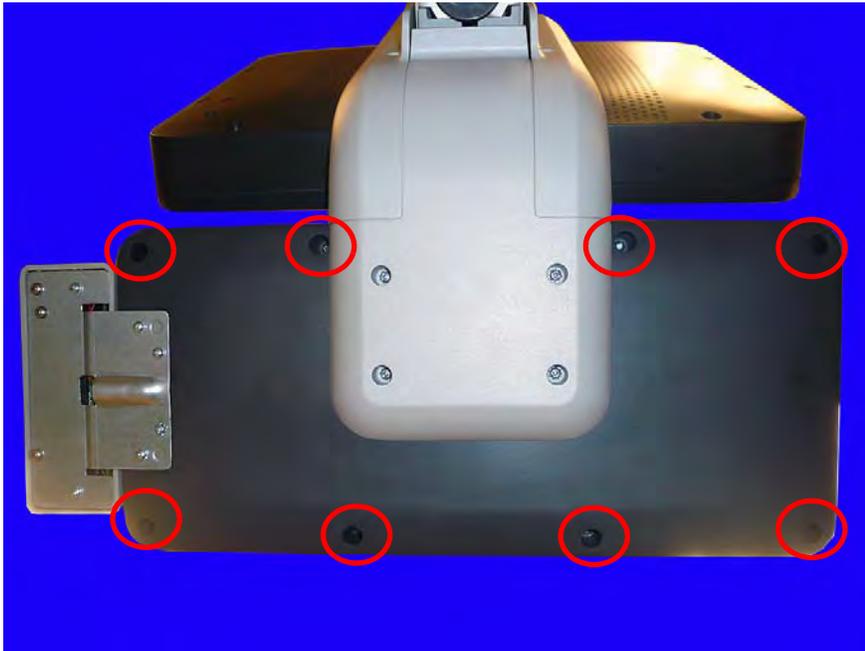
**2-6 | Installing a Fingerprint Scanner on an OmniRx**  
Install the Fingerprint Scanner

7. Set the keyboard in place.
8. Secure the keyboard with the screws previously removed.
9. Power on the unit and test the fingerprint scanner to ensure that it is working.

# Installing a Fingerprint Scanner on an AWS

## Remove the AWS Keyboard

1. Remove the eight screws that secure the keyboard casing on the AWS or AWS G4.

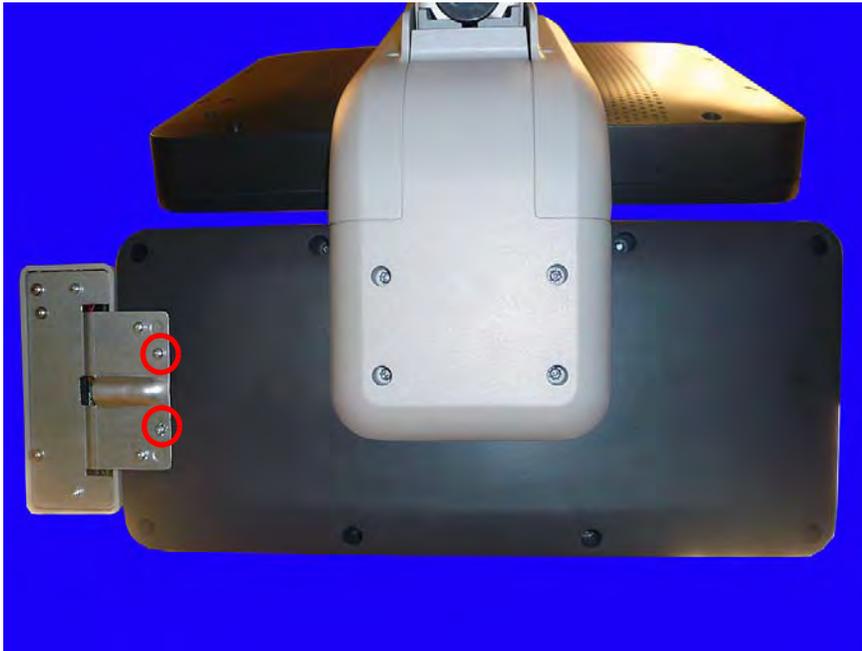


**Figure 3-1.** Remove the eight screws that secure the keyboard casing

### 3-2 | Installing a Fingerprint Scanner on an AWS

Remove the AWS Keyboard

2. If a card reader is present, remove the two innermost screws.



**Figure 3-2.** Remove the innermost screws on the card reader

3. Lift the keyboard from the keyboard holder.



**Note:** Do not lift the keyboard too far from its resting place as there are cables attached to the keyboard which need to be removed before the keyboard can fully be removed.



**Figure 3-3.** Lift the keyboard from the keyboard enclosure

4. Disconnect the keyboard and keypad cables.

## Install the Fingerprint Scanner

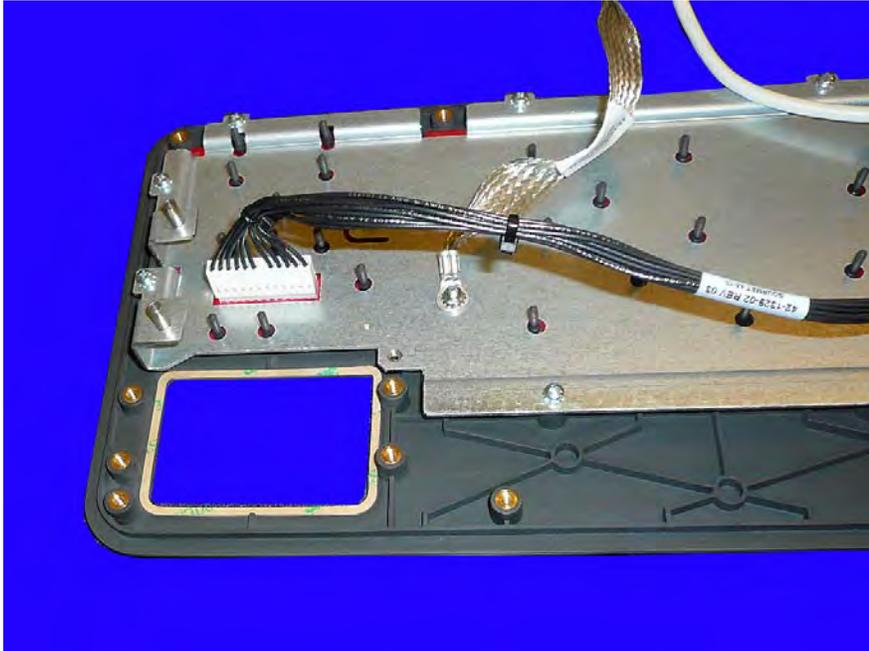
1. If there is a blank plate in place of the scanner location, remove the plate.
2. Ensure that the gasket around the fingerprint scanner is secure.



**Figure 3-4.** Ensure the gasket is secure

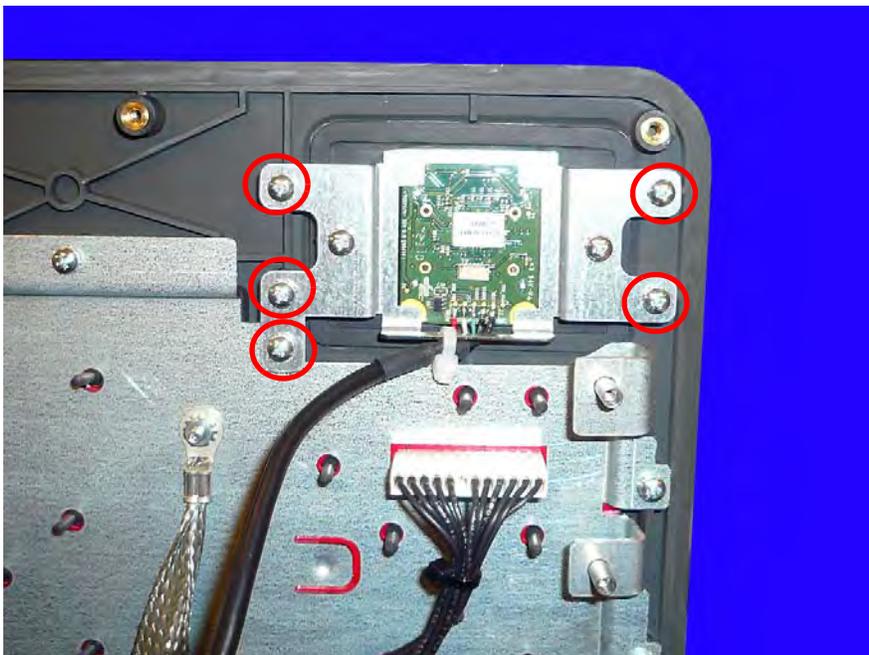
**3-4 | Installing a Fingerprint Scanner on an AWS**  
| Install the Fingerprint Scanner

3. Ensure the gasket around the keyboard is secure as well.



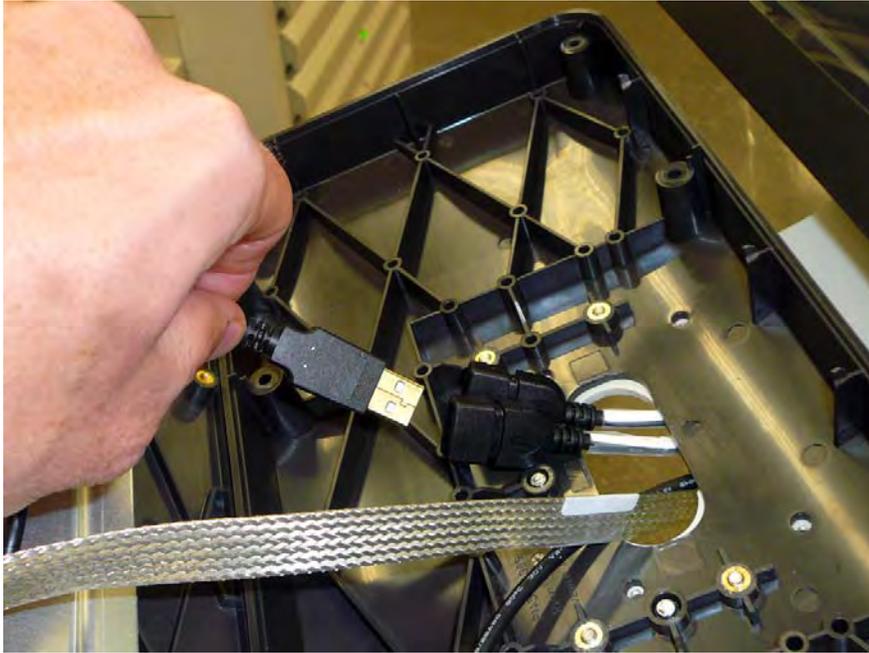
**Figure 3-5.** Ensure the gasket around the keyboard is secure

4. Place the fingerprint scanner into place and secure it with the five screws provided. Ensure the cable is facing toward the data cable.



**Figure 3-6.** Secure the fingerprint scanner to the keyboard tray

5. Plug the scanner into the USB port on the bottom of the keyboard tray.



**Figure 3-7.** Connect the USB cable to the extender

6. Reconnect the any cables that have been disconnected during the install of the fingerprint scanner.
7. Set the keyboard in place.
8. Secure the keyboard with the screws previously removed.
9. Power on the unit and test the fingerprint scanner to ensure that it is working.



