KIT INSTRUCTIONS

Side Mount Imager

7702-K170

Issue D

NCR

Revision Record

| Issue	Date	Remarks
A	Nov 2016	First Issue
B	July 2018	Added installation instructions for 15" and 10.4" X-Series Displays
C	May 2019	Added Programming the Imager section
D	July 2019	Added Honeywell N5680 Programming Interface Modes

Side Mount Imager

Introduction

This kit provides a Side Mount Imager for the following:

- RealPOS XR5 (7701) POS

- RealPOS XR7 (7702) POS

- RealPOS XR7 Plus (7703) POS

- RealPOS X-Series Displays (5968/5985)

Side Mount UV Light
497-0510694

66068
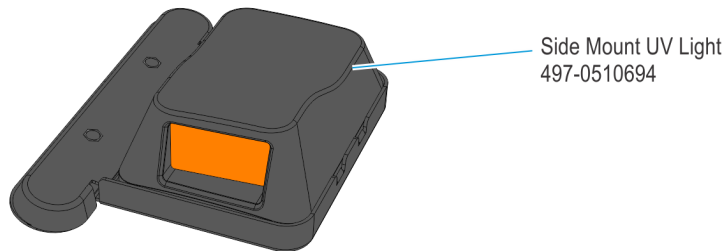
Installation Procedure

RealPOS XR5/XR7/XR7 Plus (7701/7702/7703)

1. Lay the terminal face down on a flat surface.

⚠️ **Caution:** Always use a soft material (cloth, foam) to protect the display screen when placing the terminal face down.

2. Remove the Base Stand.

   a. Remove the screws (2) that secure the Base Stand to the display.

Screws

Protective Foam/Cloth
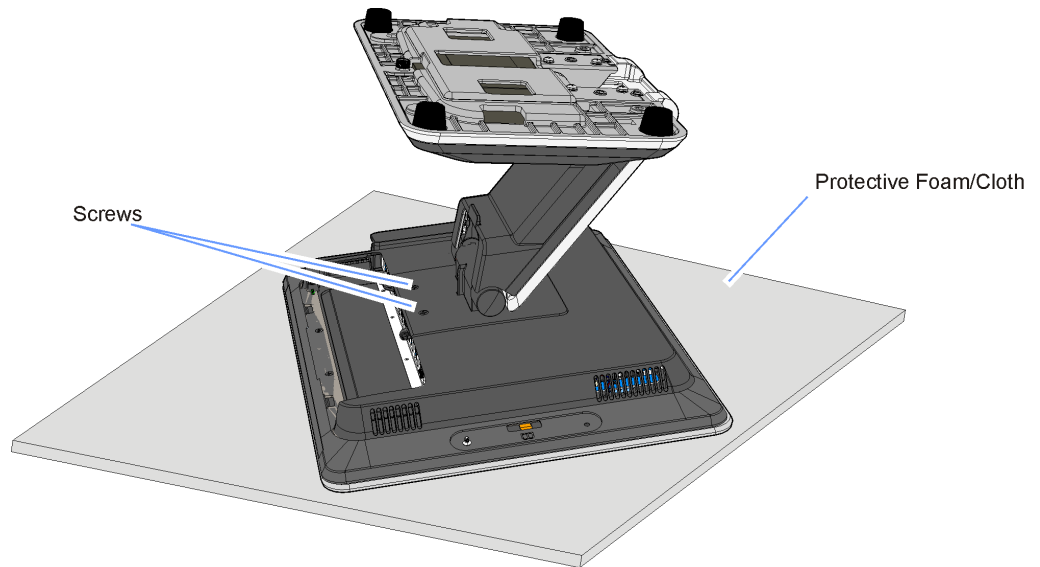
32809

   b. Rotate the Base Stand upwards as shown and remove the Mounting Plate Studs (2) from the openings in the Rear Cover.

Mounting Plate Stud
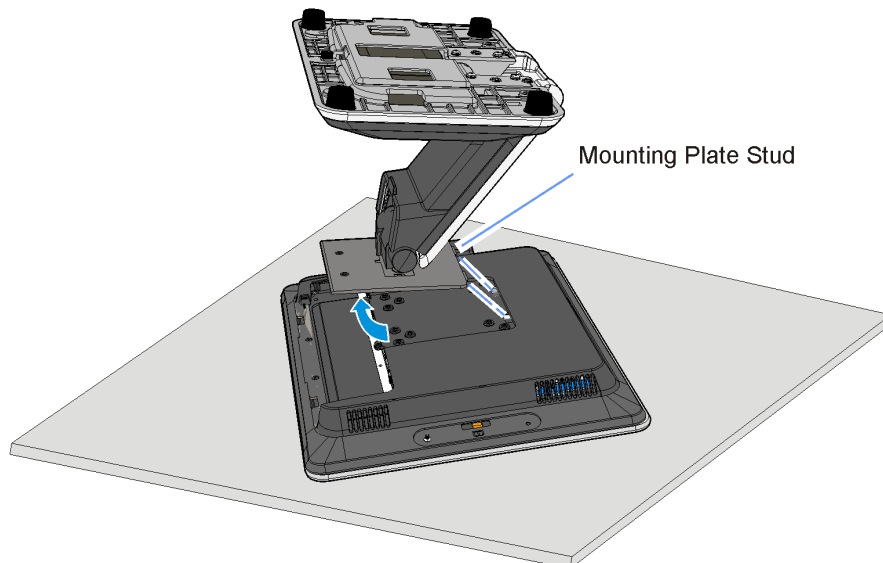
32808a

3. Remove the Rear Cover assembly.

    a. Remove the Cable Cover.

66052

    b. Loosen the captive screws (2) that secure the Rear Cover to the chassis.

Captive Screws
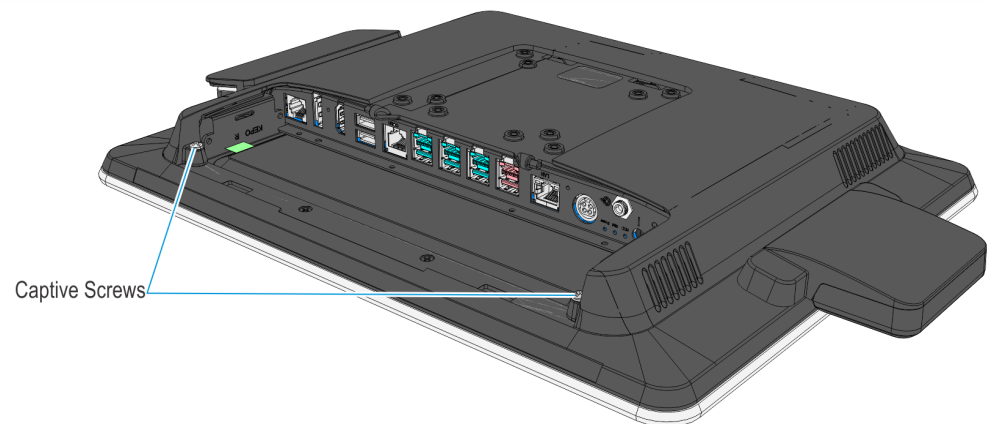
66053

    c. Pivot the assembly as shown to remove it.
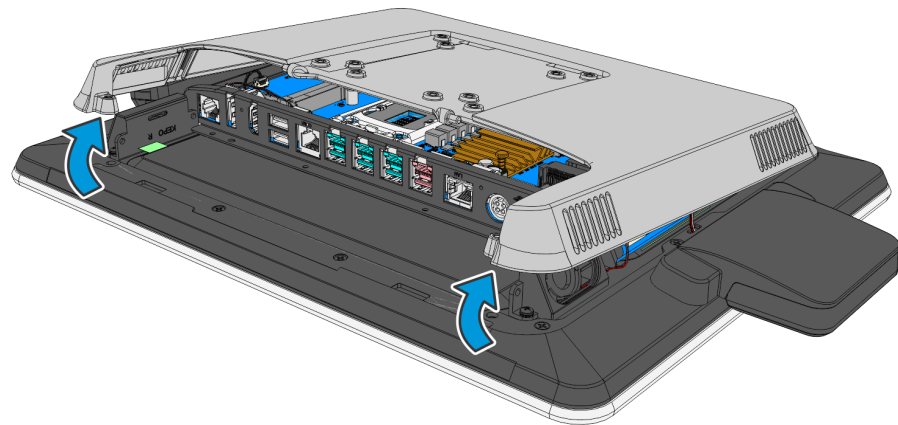
66054

4.   Remove the screws (9) that secure the Display Collar.
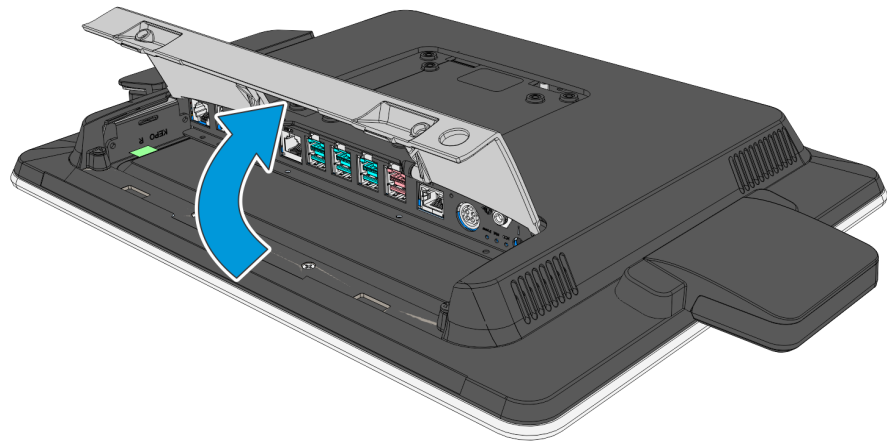

Display Collar
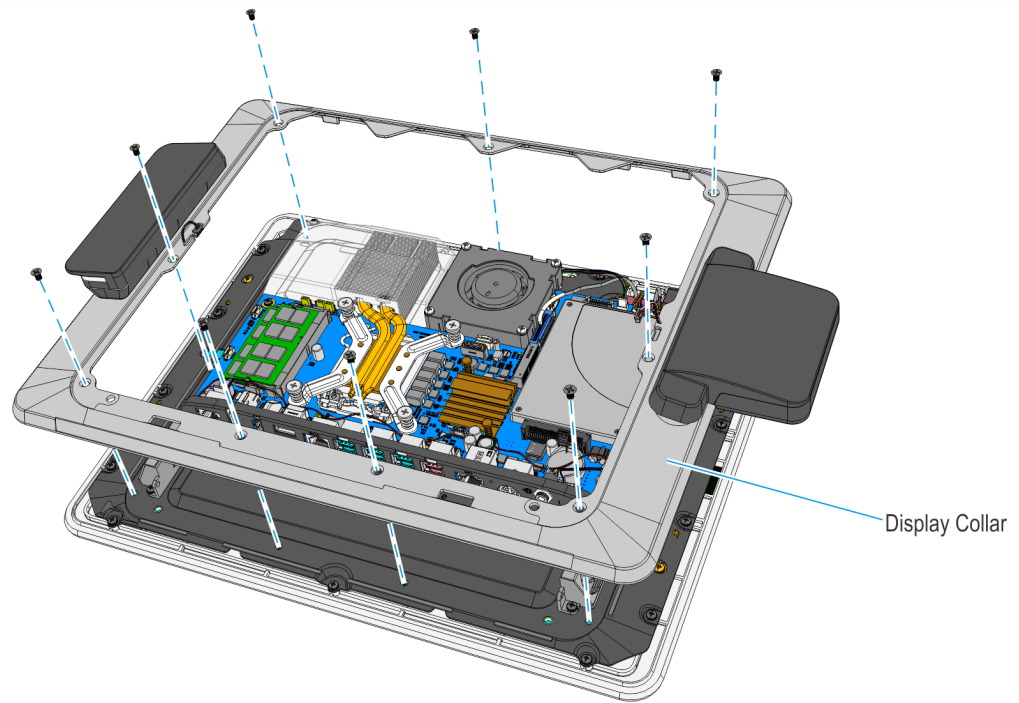
66060

5.   Remove the blank plate or the side mount feature installed on the collar. In the illustration below, the biometric is removed by removing the screws (2) securing it.
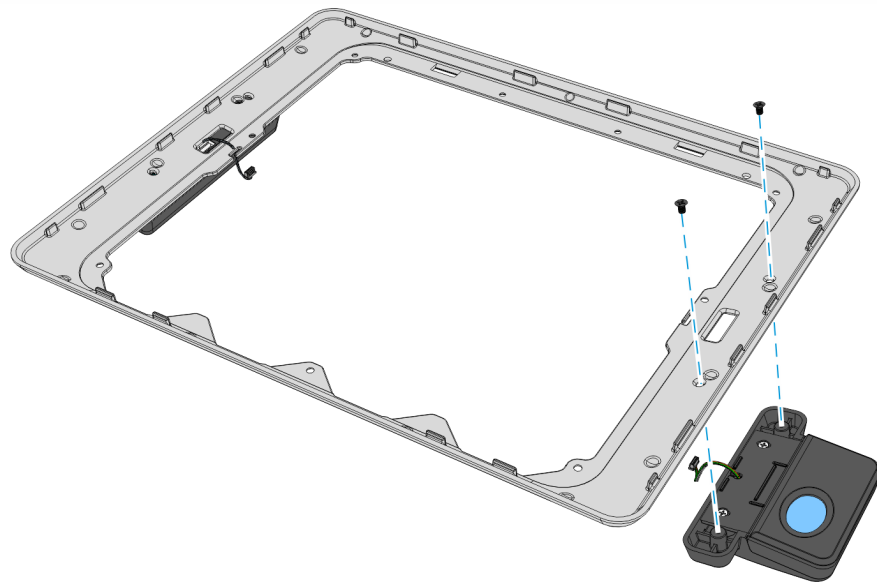
66061

6. Route the Imager cable through the slot in the collar. Install the Imager and secure with screws (2).
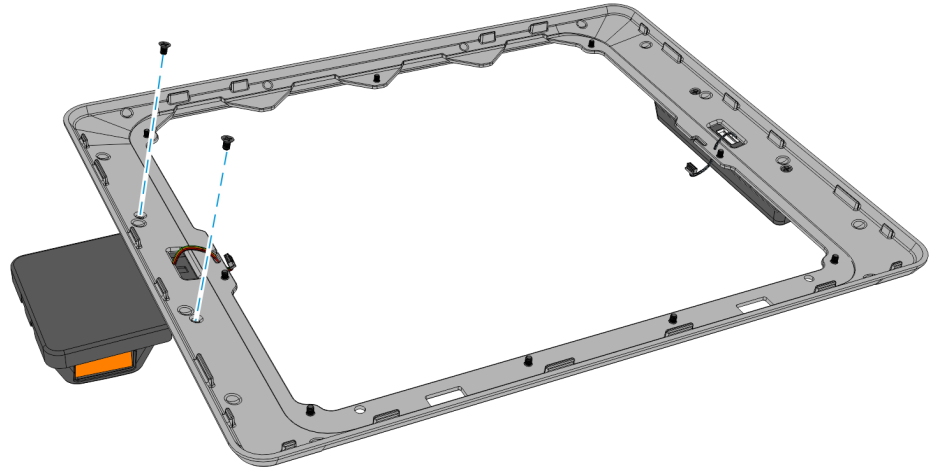
66066

7. Install the Display Collar and secure with screws (9).
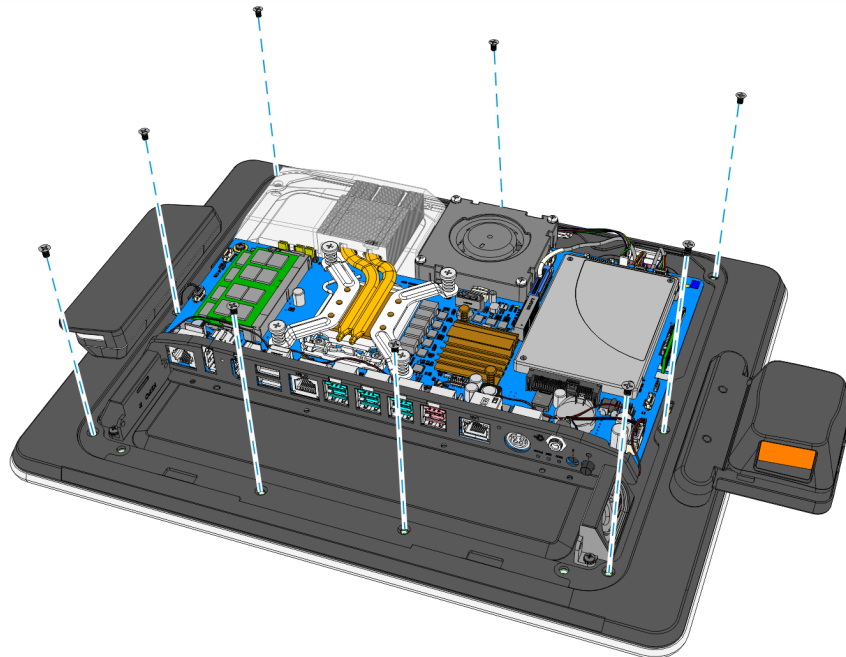
66067

8. Plug the cable into the USB port on the motherboard.

Note: Ensure that the cable does not get pinched by the Ebox cover.

USB Port
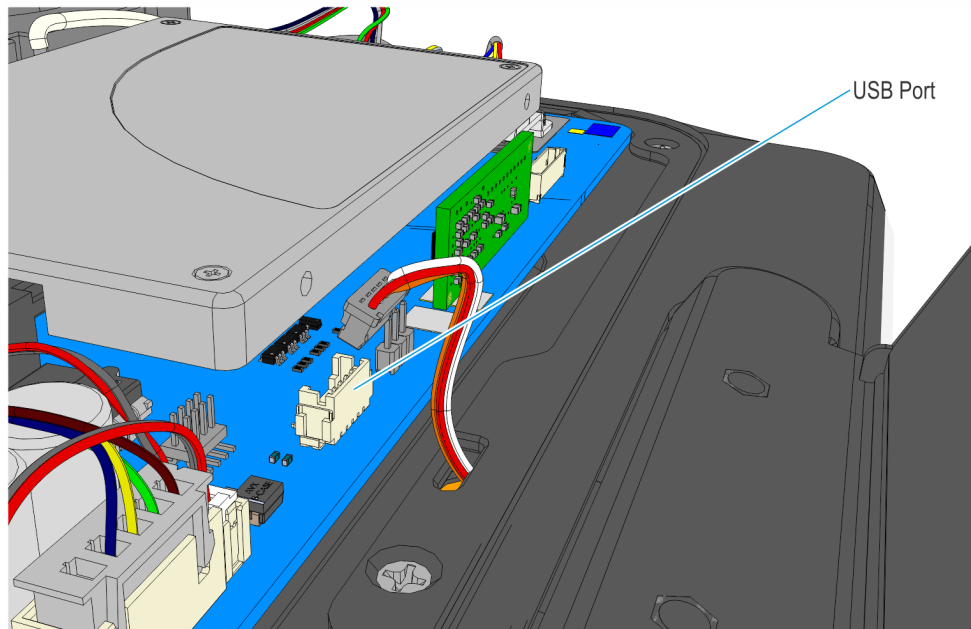
66064

9. Reinstall the Rear Cover.

10. Reinstall the Stand.

X-Series Displays (5968/5985)

15-inch X-Series Display

1. Remove the screws (2) that secure the Stand and Rear Cover to the display.

⚠️ **Caution:** Always use a soft material (cloth, foam) to protect the display screen when placing the terminal face down.
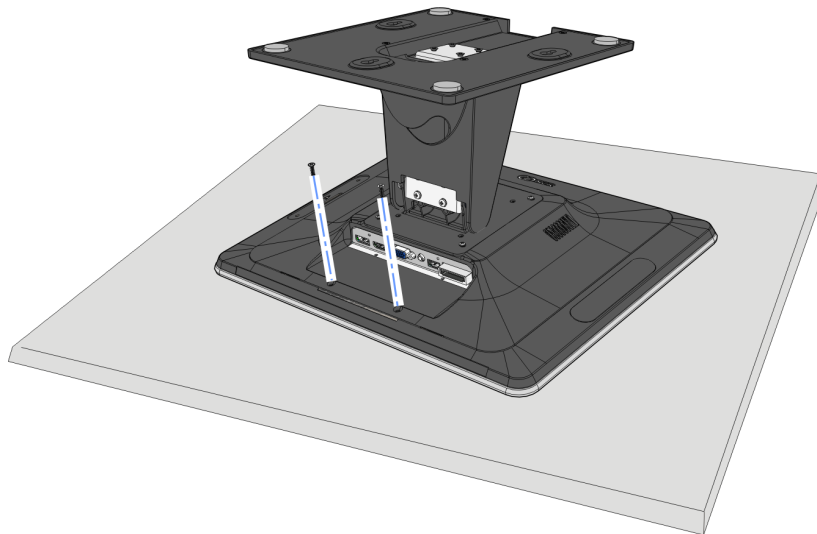
33867

2. Pivot the Stand and Rear Cover assembly as shown to remove it.
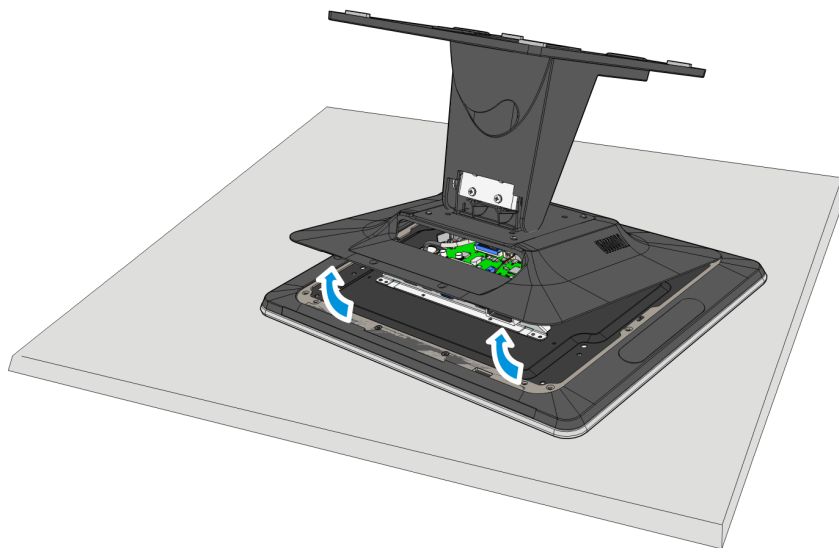
33868

3. Remove the Display Collar (7 screws).
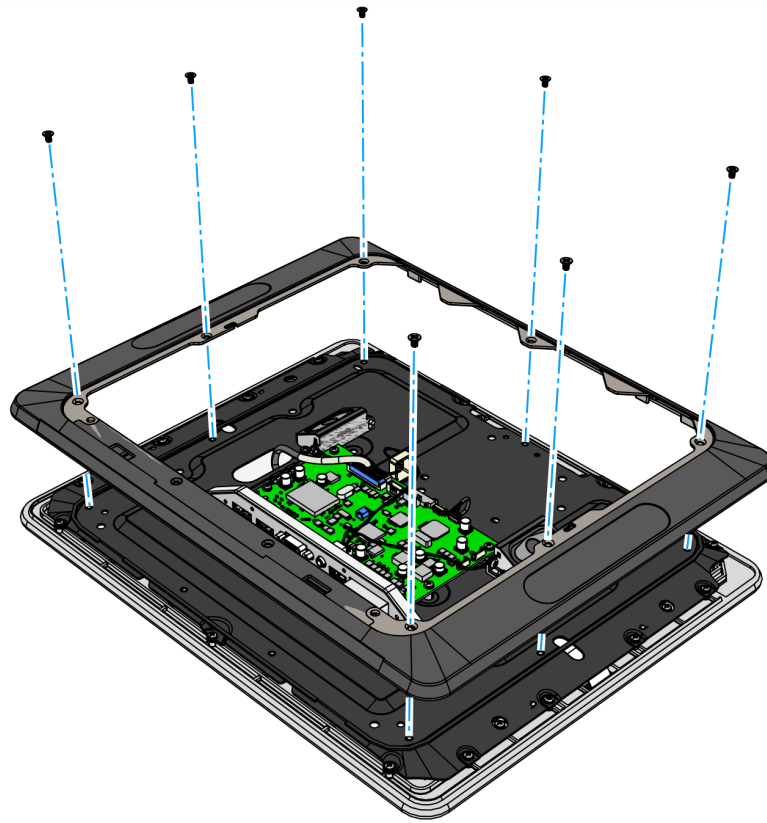
CCP-73999

4. Remove the Port B Blank Plate from the Display Collar. The plate is attached to the Display Collar with a strong adhesive. Use care when removing it to not damage the Display Collar.

Port B Blank Plate
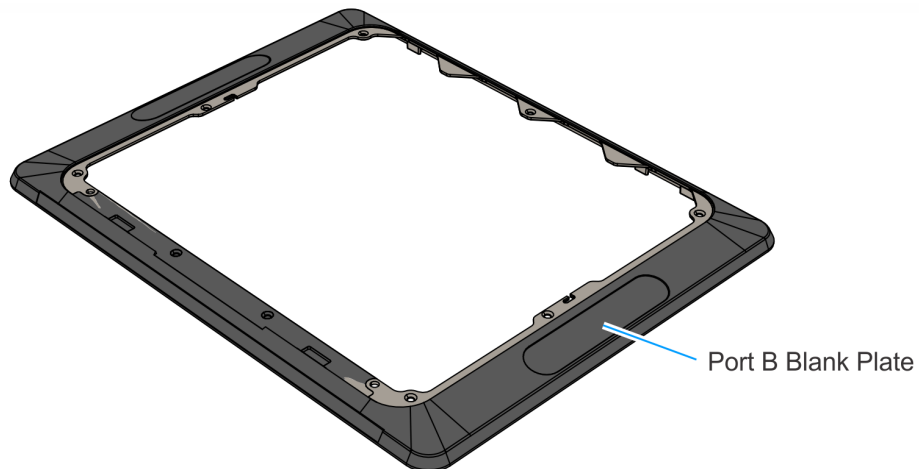
CCP-74900

5. Route the Imager Cable through the slot and cable guide on the Display Collar as shown. Install the Imager with screws (2).

Slot

Cable Guide
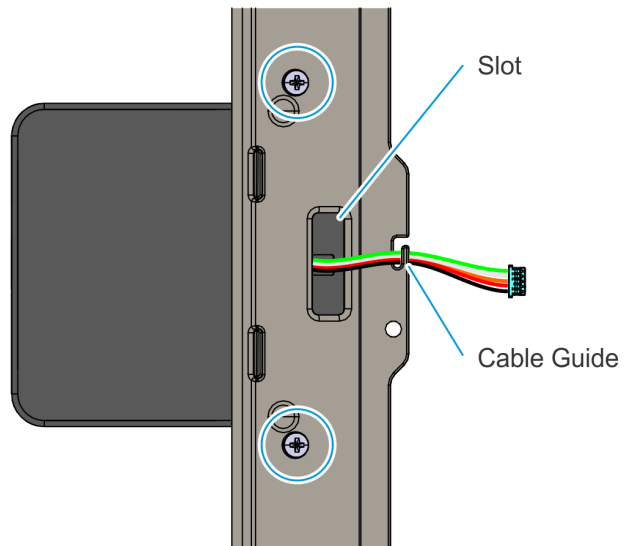
CCP-74915

6. Install the Display Collar on the terminal (7 screws).
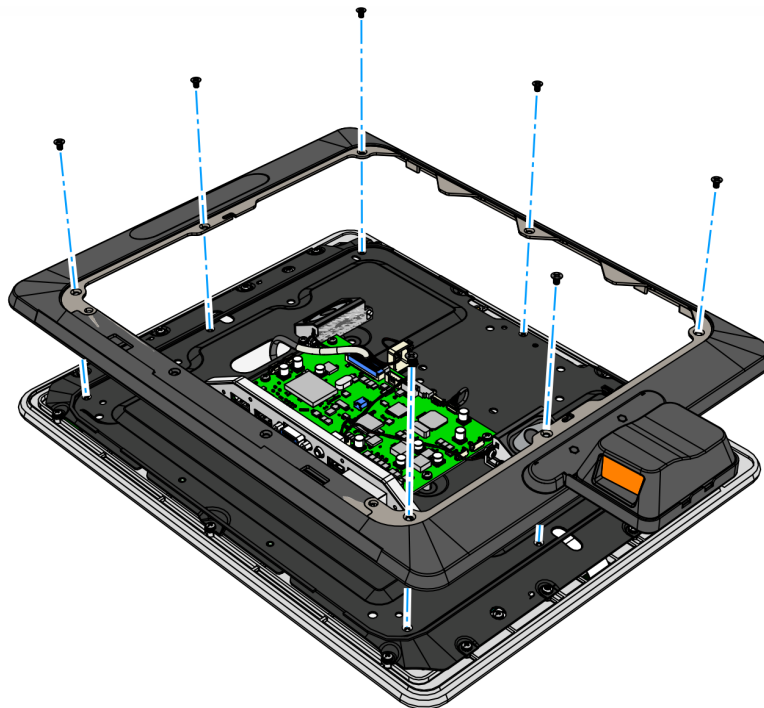
CCP-74901

7. Loop the Imager Cable to reduce excess length and connect the Imager Cable into the USB port on the motherboard.

Note: Tape the Imager Cable on the Display Collar as shown to ensure the cable does not get pinched when the Rear Cover is installed.
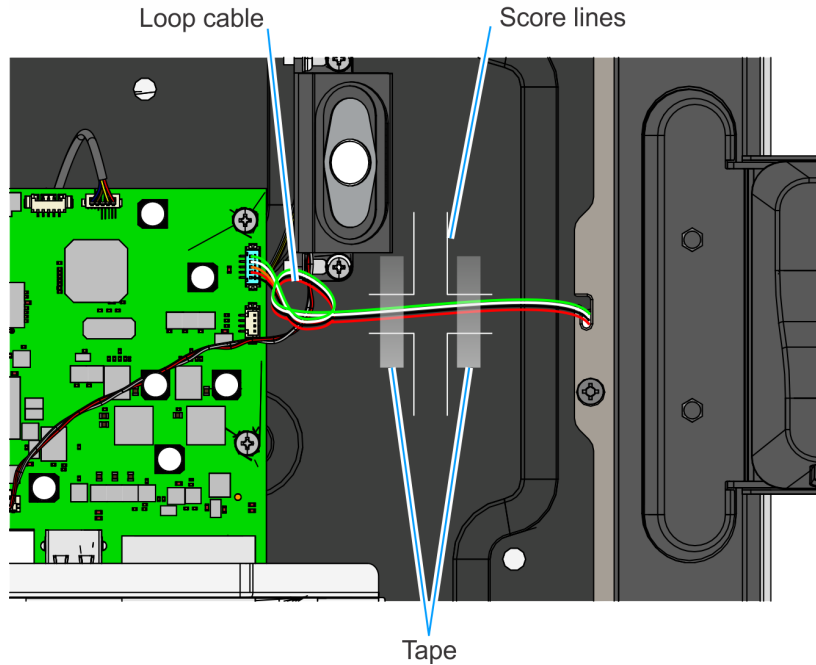
CCP-74902

8. Reinstall the Stand and Rear Cover assembly.

10.4-inch X-Series Display

1. Lay the terminal face down on a flat surface.

⚠️ **Caution:** Always use a soft material (cloth, foam) to protect the display screen when placing the terminal face down.

2. Remove the screws (4) that secure the Mount to the display.

33856
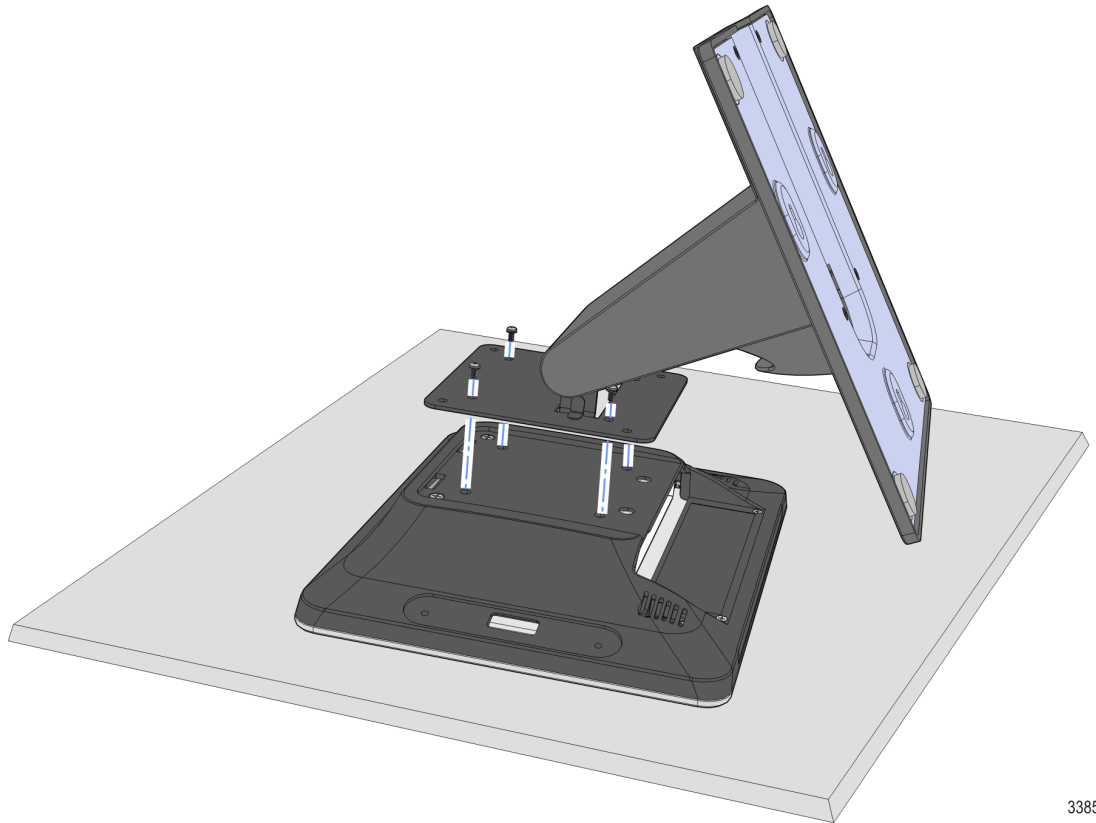
3. Remove the Rear Cover.

    a. Remove the Rear Cover screws (4).

    b. Pivot the Rear Cover as shown to remove it.
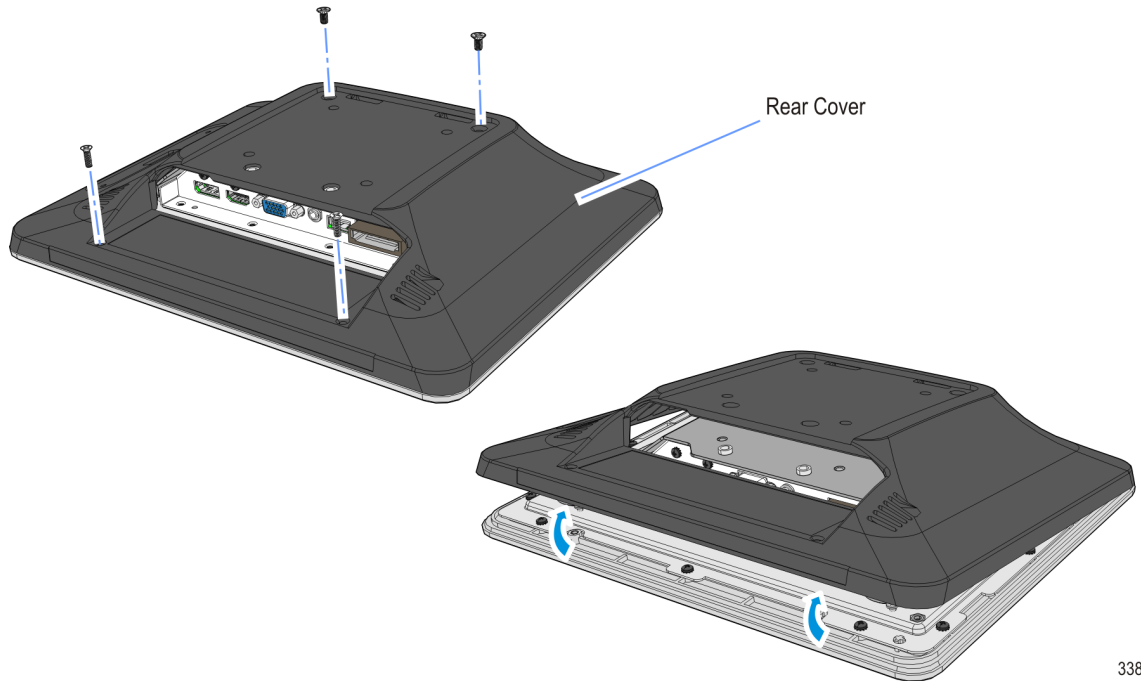
Rear Cover

33857

4. Remove the EBox Cover (4 screws).
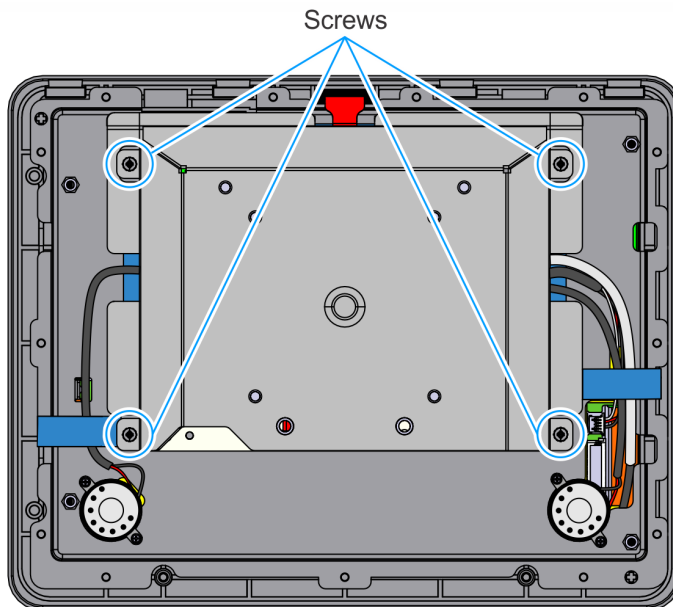
Screws

CCP-74903

5. Route the Imager Cable through the Port B slot in the Rear Cover. Install the Imager and secure with screws (2).

Port B slot
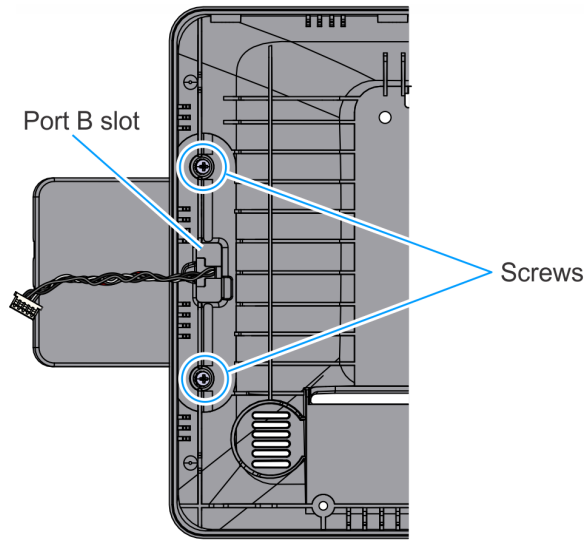
Screws

CCP-74904

6. Connect the Port A Extension Cable and Port B Imager Cable to the Video Board.

Extension Cable

Imager Cable
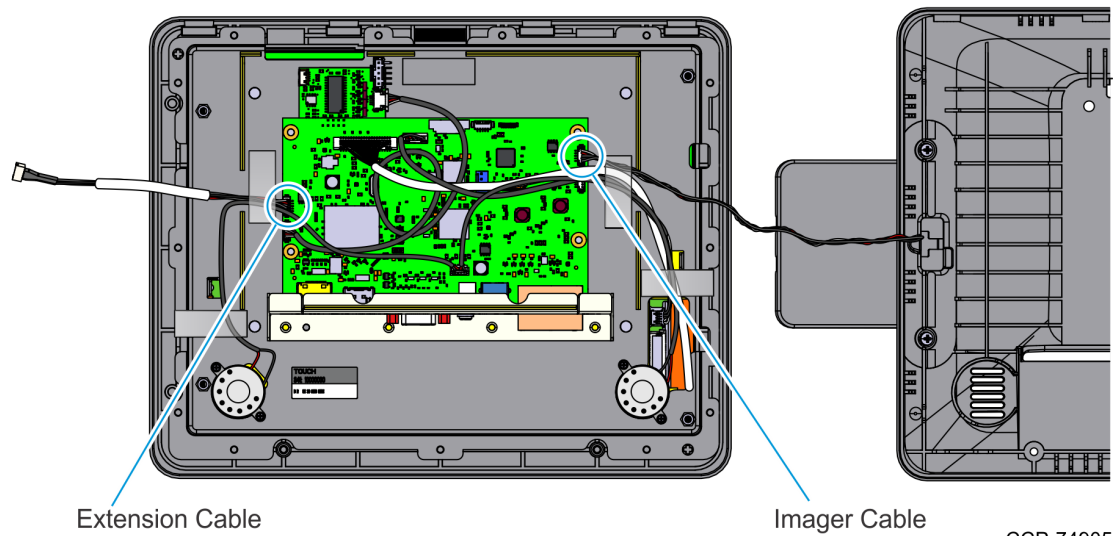
CCP-74905

7. Reinstall the EBox Cover (4 screws).

Screws
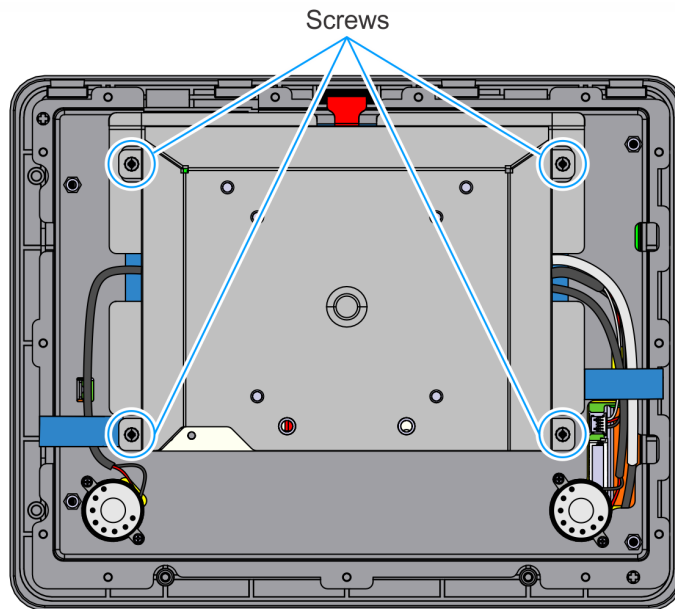
CCP-74903

8. Secure the Port A Cable to the EBox Cover:

Without Port A Peripheral

a. Tape the Port A Extension Cable to the side of the EBox Cover as shown. Ensure the connector does not overhang on the edge of the EBox Tab.

Tape

Connector

Edge of EBox Tab
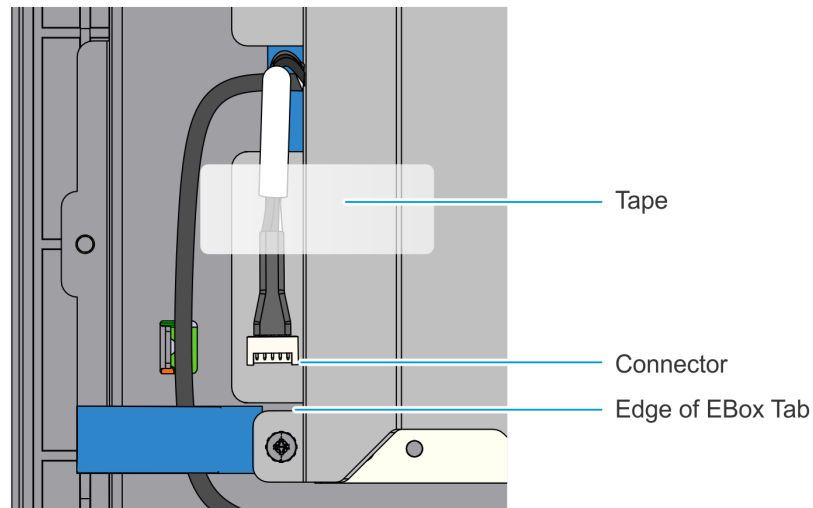
CCP-74906

With Port A Peripheral

a. Connect the Port A Peripheral Cable to the Extension Cable.

b. Tape the Port A Peripheral Cable and Extension Cable to the side of the EBox Cover as shown. Ensure the connector does not overhang on the edge of the Ebox Tab.

Tape

Port A Peripheral Cable connected to the Extension Cable

Edge of EBox Tab
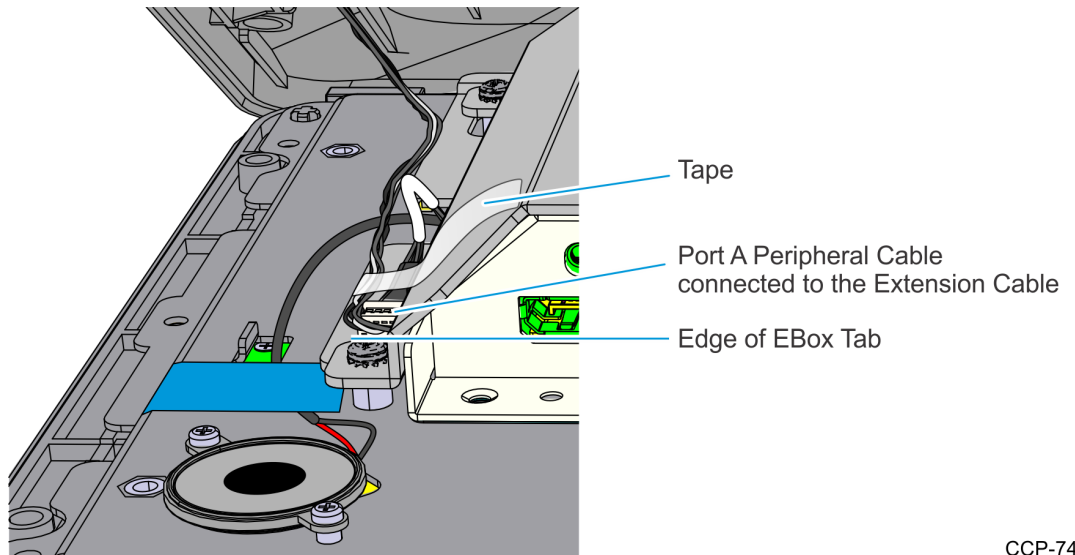
CCP-74913

9. Tape the Port B Imager Cable to the side of the EBox Cover as shown.
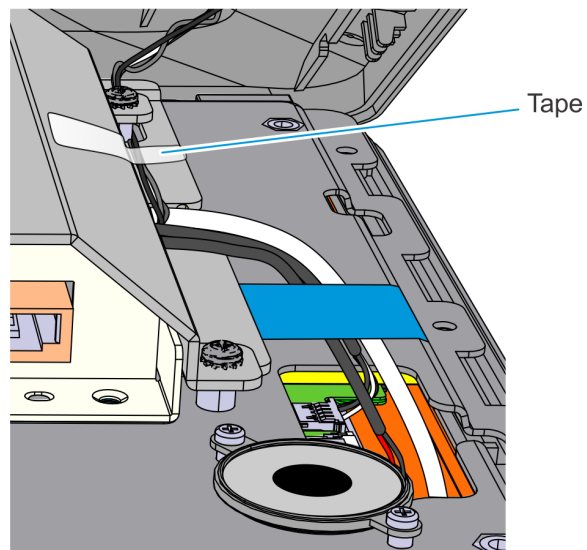
Tape

CCP-74914

10. Crease the Port A Peripheral Cable and Port B Imager Cable to ensure there are no cables on top of the EBox Cover. Reinstall the Rear Cover.

Crease
Port A
Cable

Crease
Imager
Cable
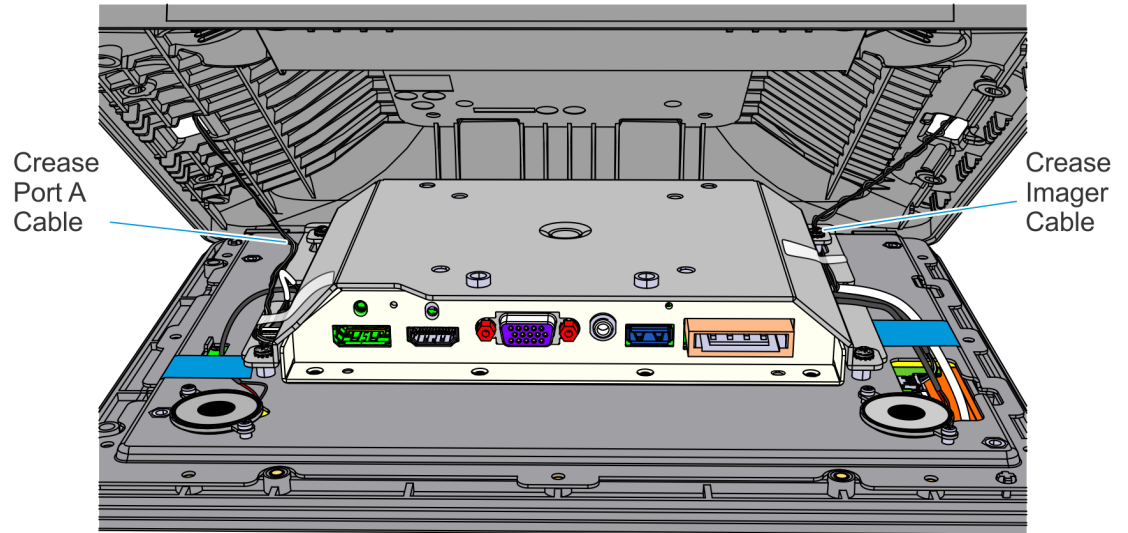
CCP-74907

Programming the Imager

To program the imager to read mobile devices and paper, and to fix reading distance loss (depth of field compensation), scan these codes in sequence:

1. PAPSPH; PAPPSC

2. PDCFEX3

Honeywell N5680 Programming Interface Modes

Firmware: BI000514ABK

USB IBM SurePos (Default setting)

For use with the HSR–BCS scanner driver. The BCS driver adds sentinels for use in Aloha. Download the BCS Driver from:

file:////susalp095/dev/Product%20Development/Product%20Builds/RCP/PCPlatform/BCSInterface

- Program settings: MNUCDP;PAPSPT;PAPSPC;MNUCDS;DEFALT

USB HID Keyboard

For creating a USB HID Keyboard emulation mode used in 3rd party apps and Winnows Compact.

Note: Not for Aloha. For Aloha, use BCS Scanner software and USB IBM SurePos configuration. For more information, refer to *USB IBM SurePos (Default setting)* above.

- Program settings: MNUCDP;PAP124;PAPSPC;MNUCDS;DEFALT.

USB HID for OPOS

For programming using EZ-Config and direct serial communication. Must install Honeywell OPOS drivers. Download the drivers from *http://www.honeywellaidc.com/en-GB/Pages/Product.aspx?category=OEM-scanner&cat=HSM&pid=N5600*

• Scanner settings: Activate Defaults [DEFALT]; USB HID [PAP131]; Streaming Presentation – Mobile Phone [PAPSPC]; (Optional) Carriage Return Suffix All Symbologies [VSUFCR]

USB Serial

⚠ **Caution:** This can deactivate the scanner unless the Honeywell driver is loaded.

For programming using EZ-Config and direct serial communication. Must install Honeywell Virtual Serial HSM drivers and/or EZ-Cong Utility. Download the drivers from: *http://www.honeywellaidc.com/en-GB/Pages/Product.aspx?category=OEM-scanner&cat=HSM&pid=N5600*

• Scanner settings: Activate Defaults (DEFALT); USB Serial (TERMID130) ; (Optional) Carriage Return Suffix All Symbologies [VSUFCR]

Serial without Carriage Return

Optional Serial with Carriage Return