



NCR Voyix SelfServ™ 90 (7709)

Kit Instructions

SelfServ 90 R1.0 to R1.1 Upgrade

7709-K600
Issue B

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Revision Record

Publication issue	Date	Description of change
A	May 2016	First issue.
B	Jan 2026	Updated with NCR Voyix brand.

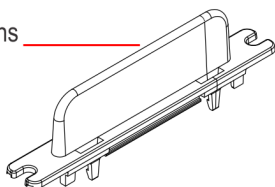
7709-K600 SelfServ 90 R1.0 to R1.1 Upgrade

This publication provides procedures for installing the 7709-K600 SelfServ 90 R1.0 to R1.1 Upgrade to the NCR Voyix SelfServ™ 90 (7709) R1.0 Kiosk to R1.1.

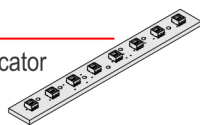
Kit Contents

INDICATOR LIGHT

MEI Lightbar Lens
497-0504694



Single Harness
Tricolor Service Indicator
Assembly
497-0508912



Not shown:

Tricolor Service Indicator to
I/O Board Cable, 1500 mm
497-0509821

Cable Ties
006-8615143

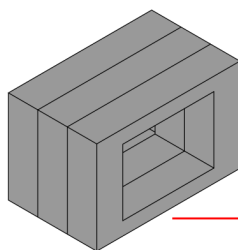
SUPERVISOR SWITCH

R6 Supervisor Switch Cable,
1000 mm
497-0508354

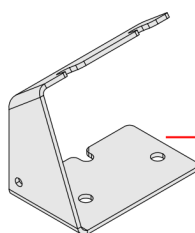
Cable Clamp
006-8613227



IMAGING SCANNER BRACKET AND GASKET



Imager Gasket
497-0510711



Imager Mounting Bracket
497-0509409

CCP-61012



Note

Cable length shown is just a representation. Actual length of the R6 Supervisor Switch Cable is 1000 mm.

Installation Procedure

To install the 7709-K600 SelfServ 90 R1.0 to R1.1 Upgrade, follow these steps:



Note

To upgrade the NCR SelfServ™ 90 R1.0 Kiosk to R1.1, the following are to be retrofitted:

- Indicator Light
- Supervisor Switch
- Imager Mounting Bracket and Gasket

1. Access the components. For more information, refer to "[Accessing the Components](#)" on the next page.
2. Do the following:
 - a. Remove the Kiosk Display Head. For more information, refer to "[Removing the Kiosk Display Head](#)" on page 8.
 - b. Remove the Rear Cover of the Display Head. For more information, refer to "[Removing the Rear Cover](#)" on page 13.
 - c. Remove the existing Indicator Light. For more information, refer to "[Removing the Indicator Light](#)" on page 15.
3. Do the following:
 - a. Install the Indicator Light included in the kit. For more information, refer to "[Installing the Indicator Light](#)" on page 16.
 - b. Install the Rear Cover of the Display Head. For more information, refer to "[Installing the Rear Cover](#)" on page 17.
 - c. Install the Supervisor Switch. For more information, refer to "[Installing the Supervisor Switch](#)" on page 19.
 - d. Install the Kiosk Display Head. For more information, refer to "[Installing the Kiosk Display Head](#)" on page 21.
4. Close the kiosk. For more information, refer to "[Closing the Kiosk](#)" on page 30.

Accessing the Components

1. Shutdown the Kiosk System Application and turn off the kiosk by unplugging the AC Power Cord from the AC Power Receptacle.
2. If the Checkpoint option is used, unplug the Checkpoint AC Power Cord from the AC Power Receptacle.
3. Unlock and open the kiosk.

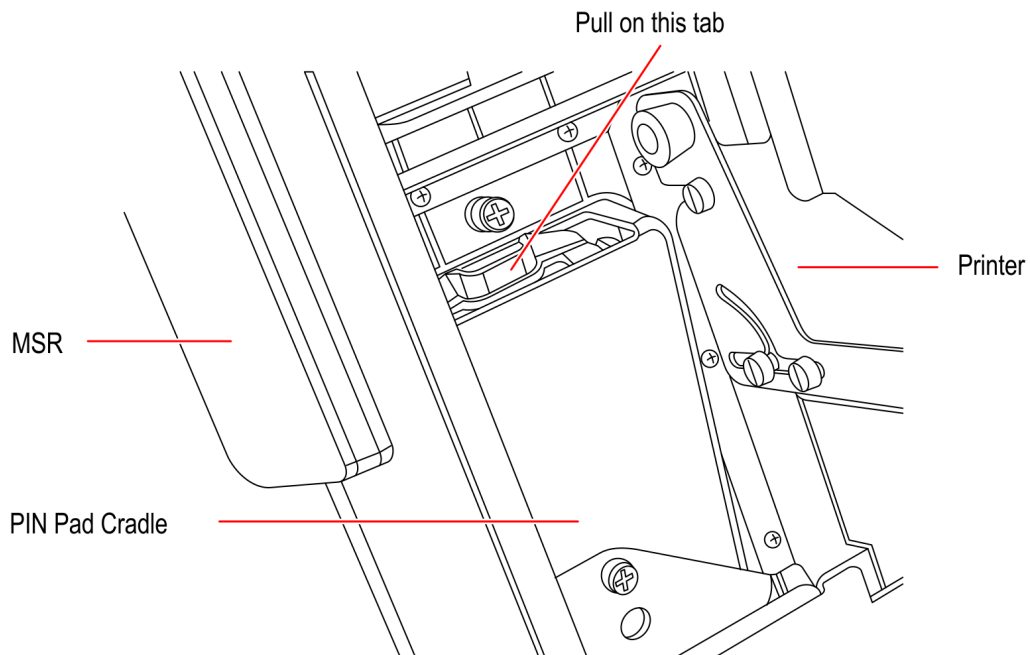
Removing the Kiosk Display Head



Caution

Make sure to note how the cables are routed and managed before disconnecting them.

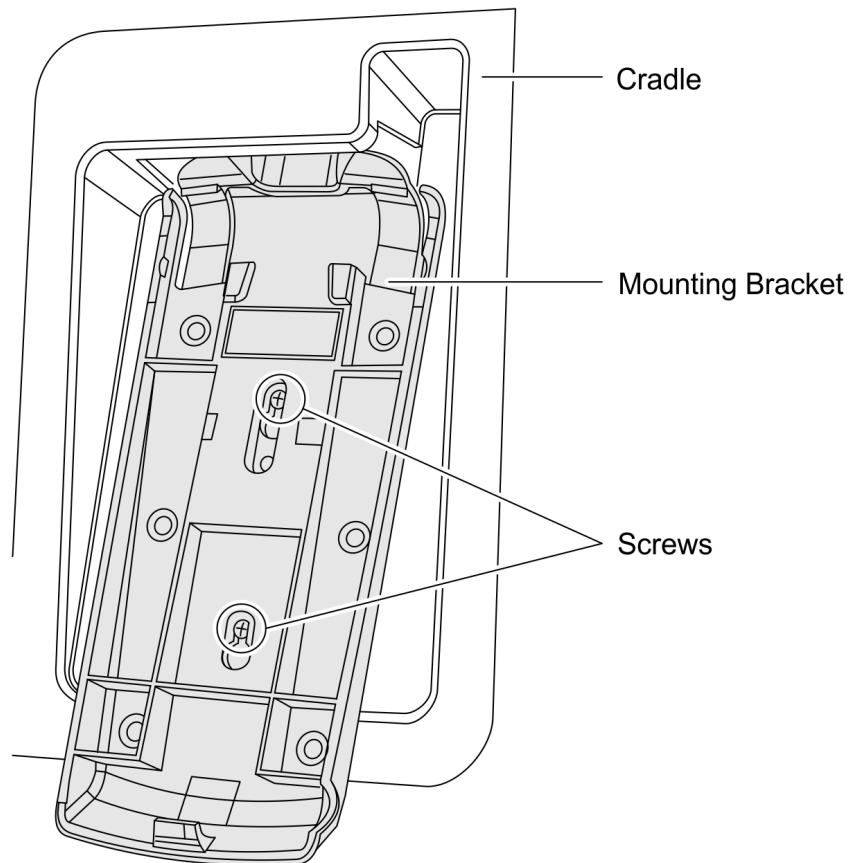
1. Disconnect the cables from the Motherboard.
2. Remove the PIN Pad.
 - a. While holding the PIN Pad from outside of the kiosk, pull on the tab on the upper portion of the Mounting Bracket (accessed from the inside of the kiosk), and then remove the PIN Pad.



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- b. Disconnect the PIN Pad Cable from the PIN Pad.

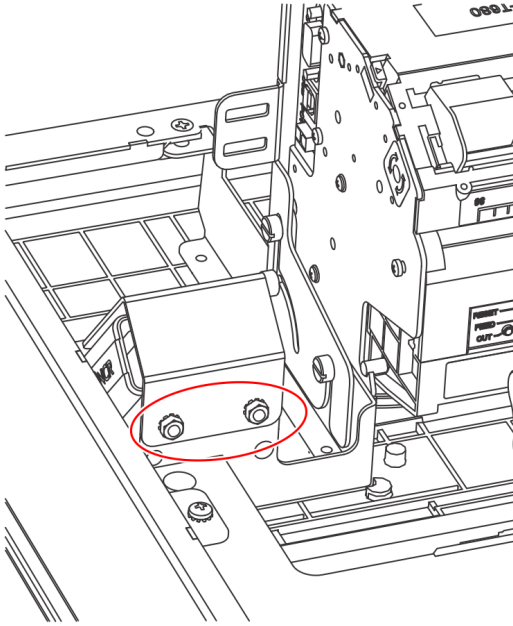
- c. Loosen the two screws that secure the Mounting Bracket to the PIN Pad Cradle.



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- d. Slide up and remove the Mounting Bracket.

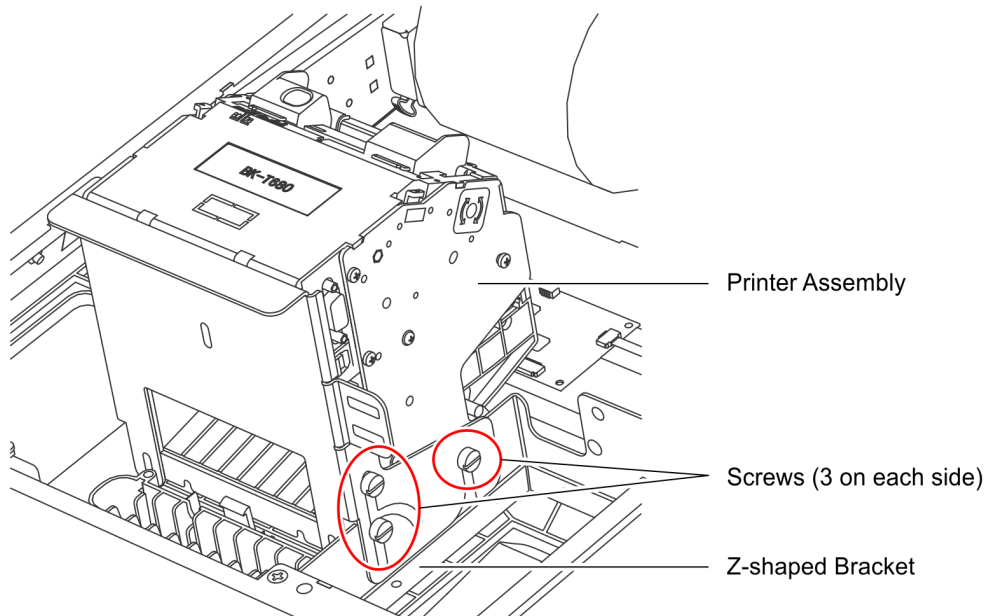
3. Remove the Imaging Scanner.
 - a. Remove the two nuts that secure the Imaging Scanner Assembly to the kiosk and then, remove the assembly from the studs.



CCP-60037

- b. Remove the three screws that secure the Imaging Scanner to its existing bracket.
 - c. Disconnect the Imager USB Cable from the Imaging Scanner.

4. Remove the Receipt Printer.
 - a. Disconnect the Printer USB and Power Cables from the Receipt Printer.
 - b. Remove the six screws (three on each side) that secure the Printer Assembly to the Z-shaped Bracket.



CCP-60039

- c. Gently lift off the Printer Assembly from the kiosk.



Note

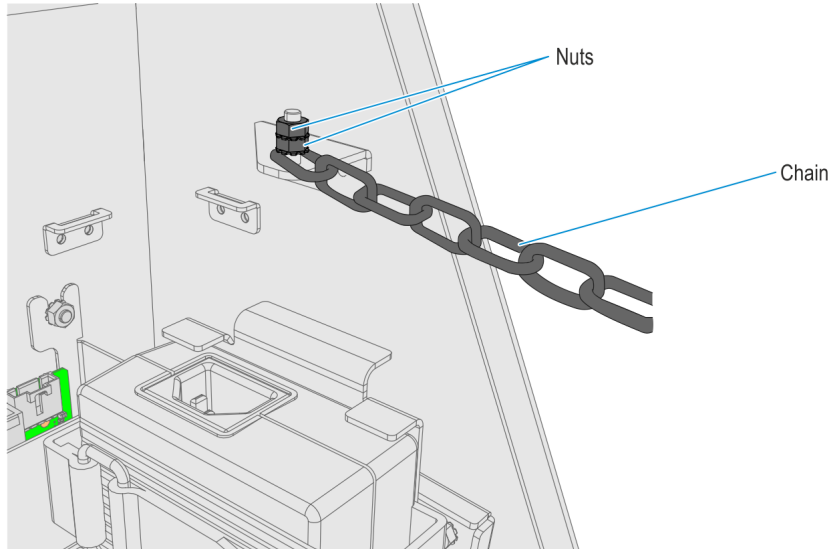
Be careful not to damage the Printer Chute and the areas around the Printer Opening.

5. Disconnect the Coupon Sensor Cable from the I/O Daughtercard.

6. While supporting the Kiosk Display Head, remove the two nuts securing the Display Head Chain to the Kiosk cabinet and remove the chain from the stud.

Warning

Make sure to properly support the display head so as not to accidentally drop it.

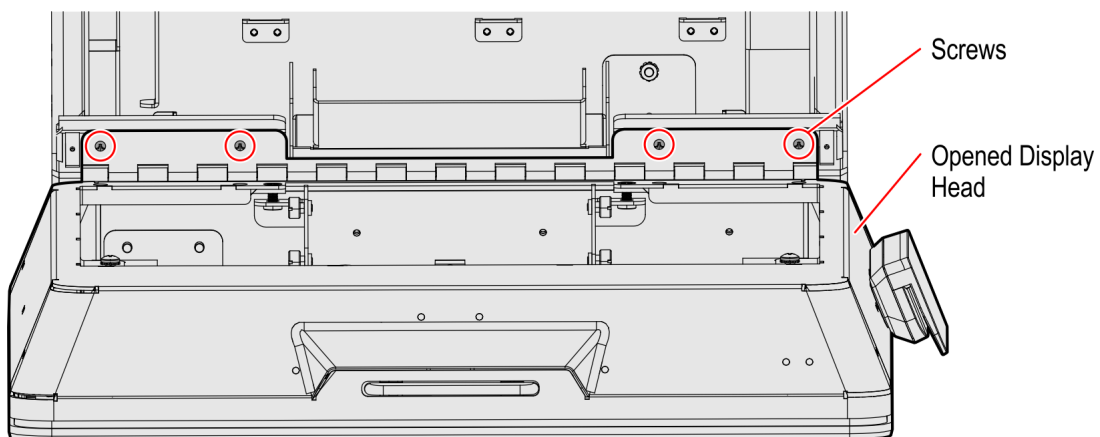


CCP-60828

7. While supporting the Kiosk Display Head, remove the four screws that attach the hinge to the kiosk cabinet.

Warning

Make sure to properly support the display head so as not to accidentally drop nor damage it.



CCP-61015

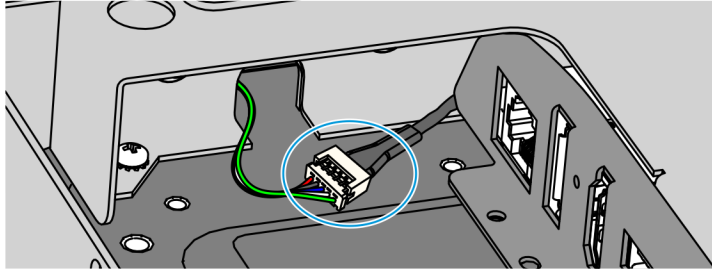
8. Carefully place the Kiosk Display Head on a flat surface cushioned with bubble wrap or soft cloth.

Caution

Be careful not to scratch nor damage the display.

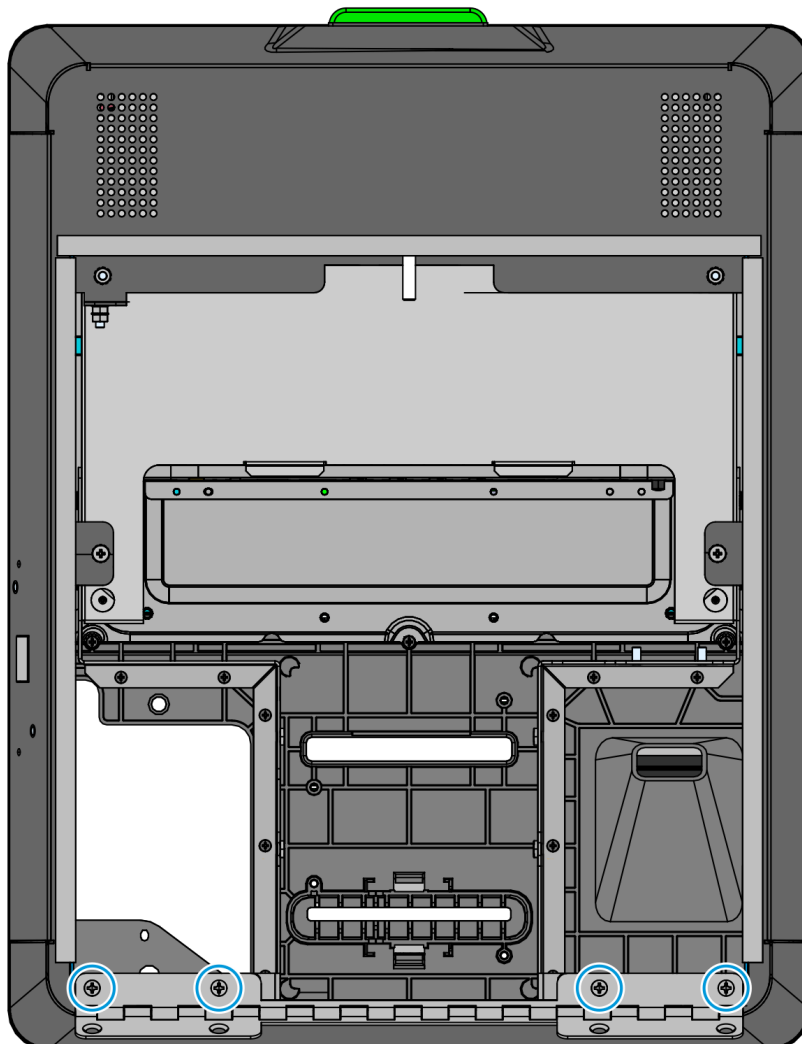
Removing the Rear Cover

1. If the kiosk has an MSR, disconnect the MSR Cable from the MSR Extension Cable. These two cables are found under the Motherboard Bracket.



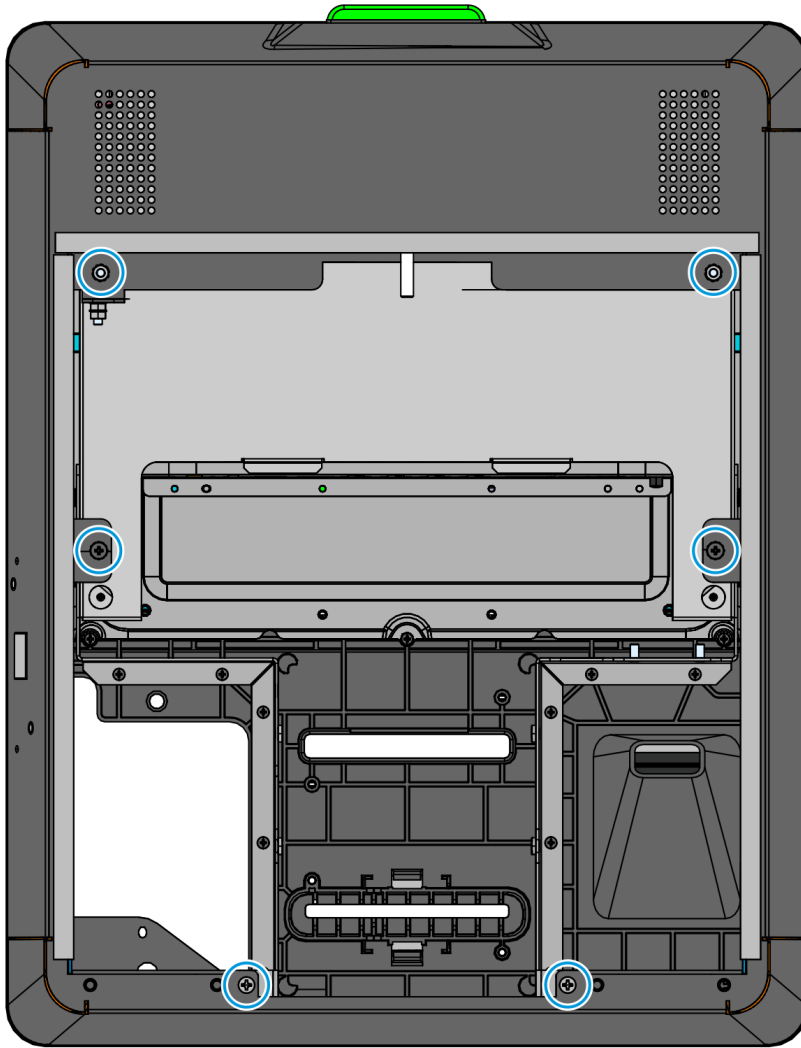
CCP-78472

2. Remove the four screws that secure the hinge to the Rear Cover.



CCP-78497

3. Remove the four screws and two nuts that secure the Rear Cover to the Display Head.



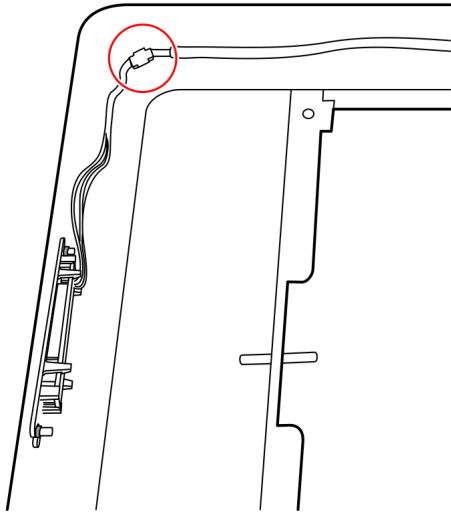
CCP-78496

4. Carefully lift off the Rear Cover from the Display Head.

Removing the Indicator Light

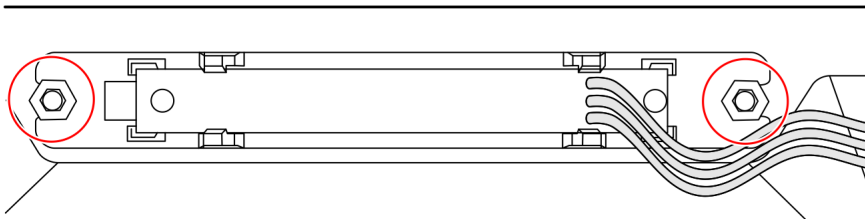
To remove the Indicator Light, follow these steps:

1. Disconnect the existing MEI from the MEI Cable.



CCP-60048

2. Remove the two screws that secure the MEI to the Rear Cover.

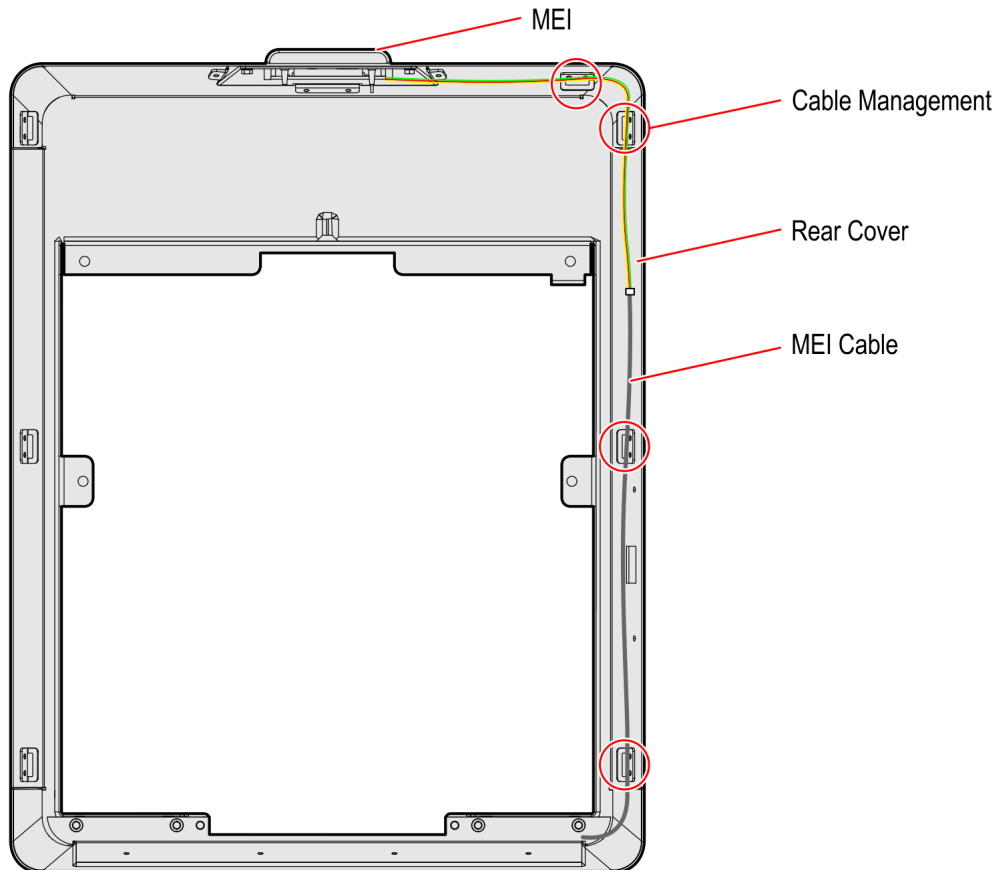


CCP-60049

Installing the Indicator Light

To install the Indicator Light, follow these steps:

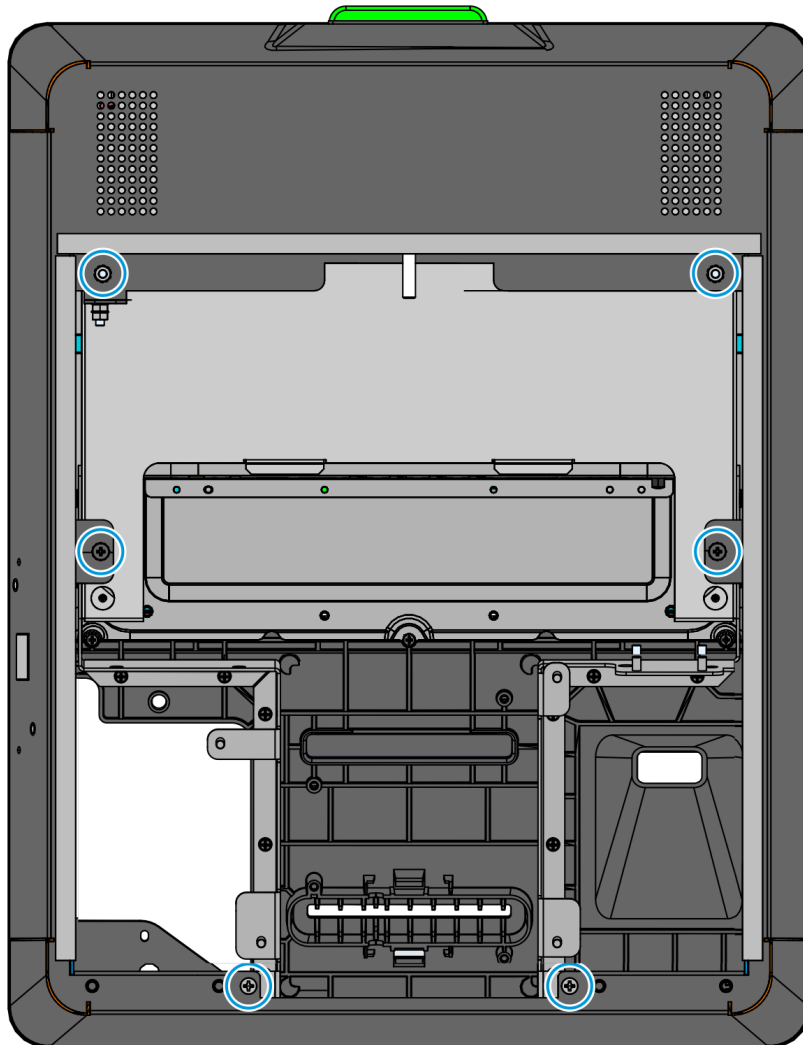
1. Mount the new MEI to the Rear Cover and secure with the two screws.
2. Route the new MEI Cable along the cable management features on the back of the Rear Cover, and then connect the new MEI to the MEI Cable.



CCP-61016

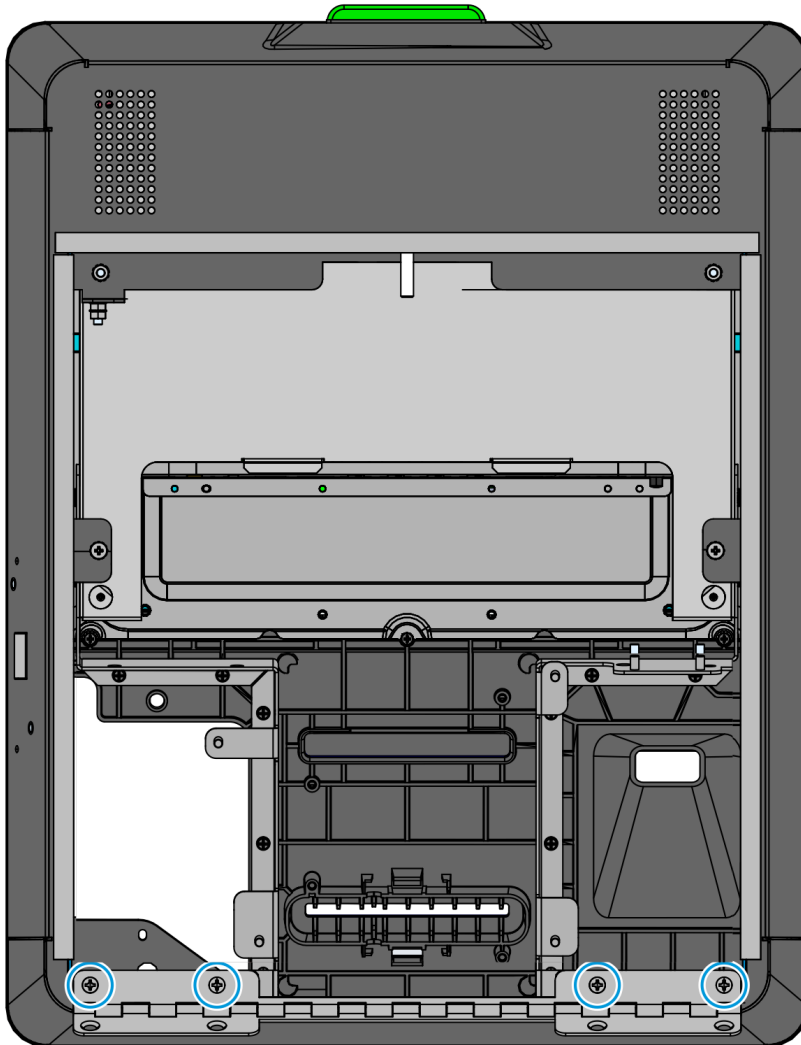
Installing the Rear Cover

1. Carefully lower the Rear Cover to the Display Head and secure it with four screws and two nuts.



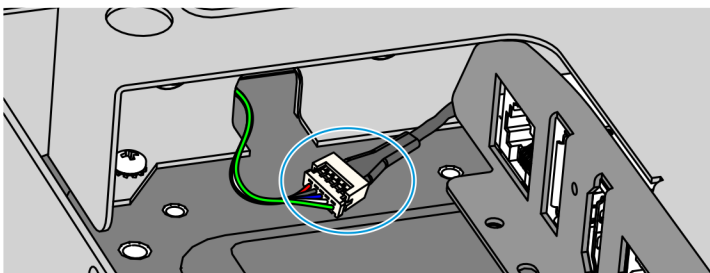
CCP-78471

2. Using the four screws, attach the hinge to the Rear Cover.



CCP-78470

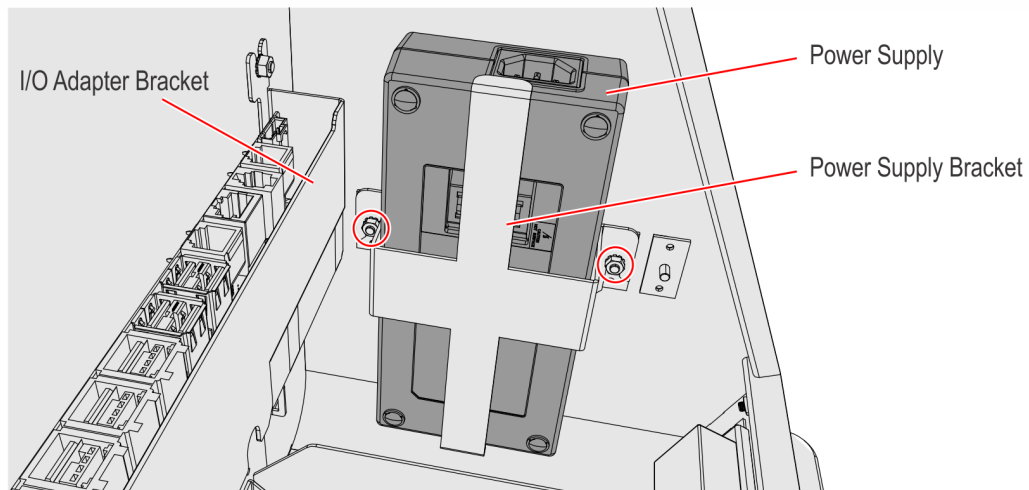
3. If the kiosk has an MSR, connect the MSR Cable to the MSR Extension Cable.



CCP-78472

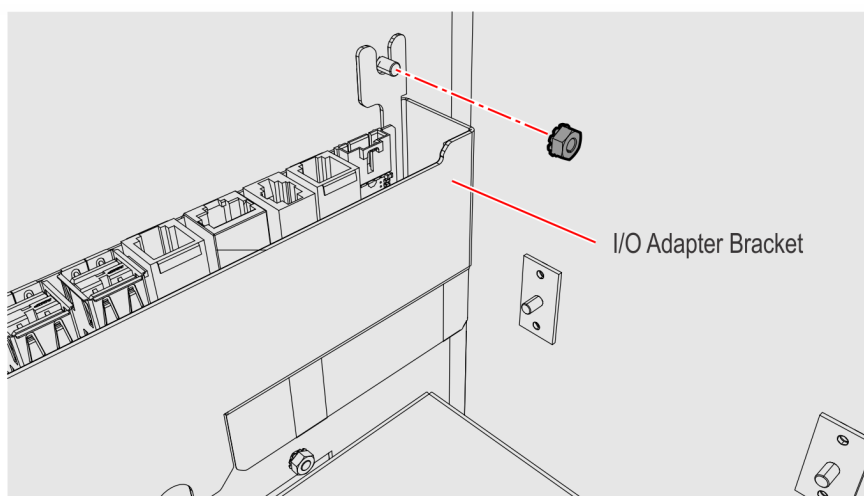
Installing the Supervisor Switch

1. Remove the Power Supply.
 - a. Remove the two hex nuts that secure the Power Supply Bracket to the kiosk.



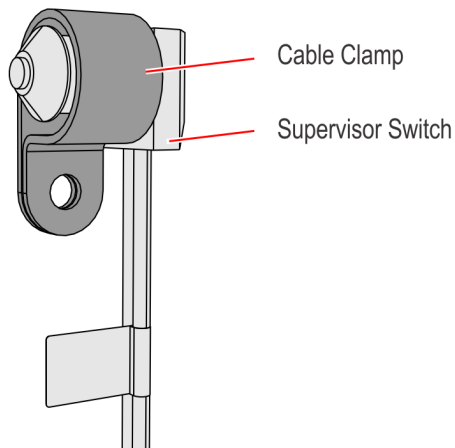
CCP-61009

- b. Remove the Power Supply from its bracket.
 - c. Disconnect the Power Supply Cable from the Motherboard.
2. Remove the upper right nut of the I/O Adapter Bracket.



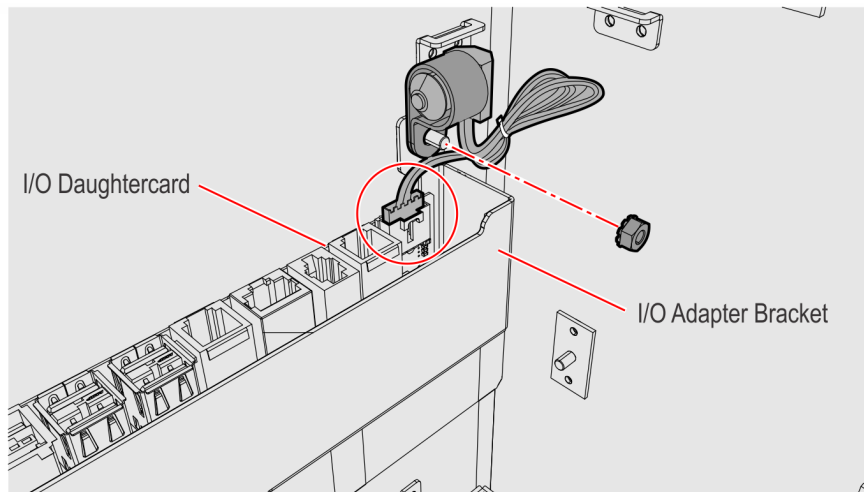
CCP-61010

3. Enclose the Supervisor Switch in the Cable Clamp.



CCP-61011

4. Mount the Cable Clamp with the enclosed Supervisor Switch to the stud of the I/O Adapter Bracket and secure with the nut.

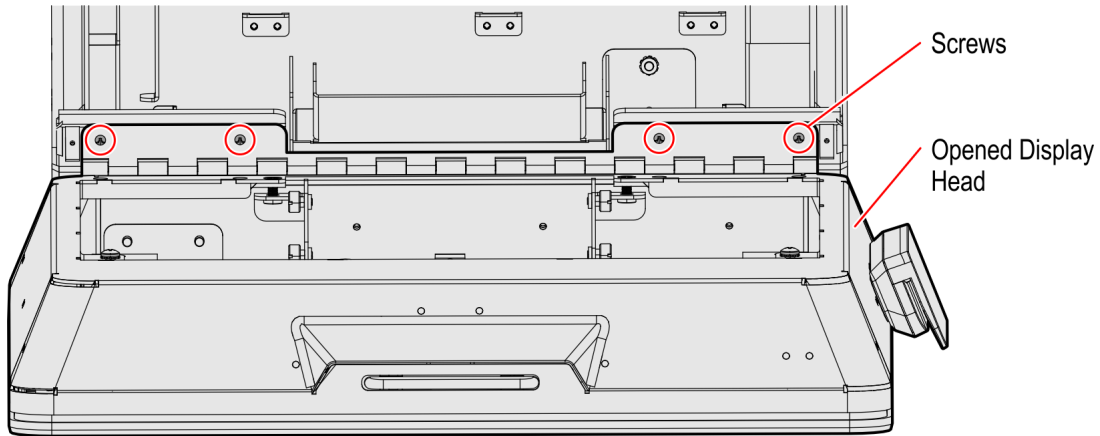


CCP-61013

5. Connect the Supervisor Switch to the I/O Daughtercard.
6. Bundle the extra Supervisor Switch cable length and secure with a cable tie.
7. Replace the Power Supply.
8. Reconnect the Power Supply Cable to the Motherboard.

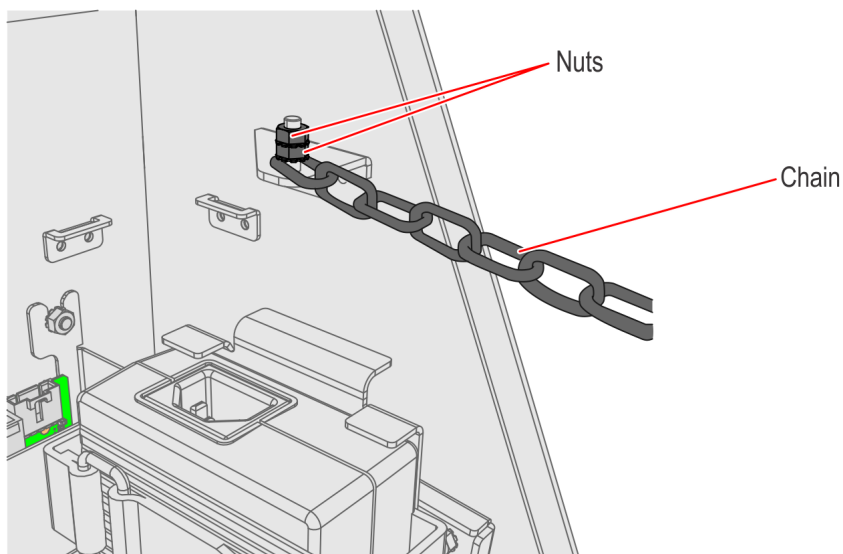
Installing the Kiosk Display Head

1. Position the Display Head against the bottom part of the cabinet.
2. Attach and secure the hinge to the cabinet with four screws.



CCP-61015

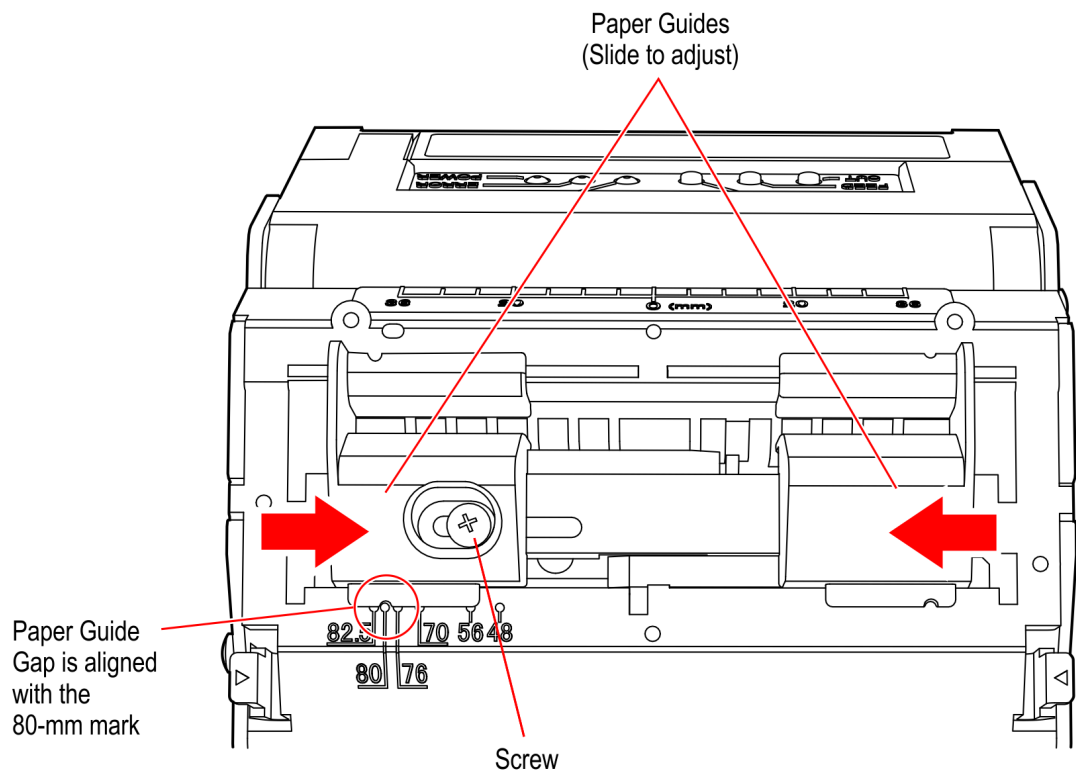
3. Attach the chain to the stud and secure with two nuts.



CCP-60828

4. Connect the Coupon Sensor Cable to the Coupon Sensor Port of the I/O Daughtercard.

5. Re-install the Receipt Printer.
 - a. Before installing the Printer Assembly to the kiosk, ensure that the following are correct:
 - Printer Width is set to 80 mm. Adjust if necessary.

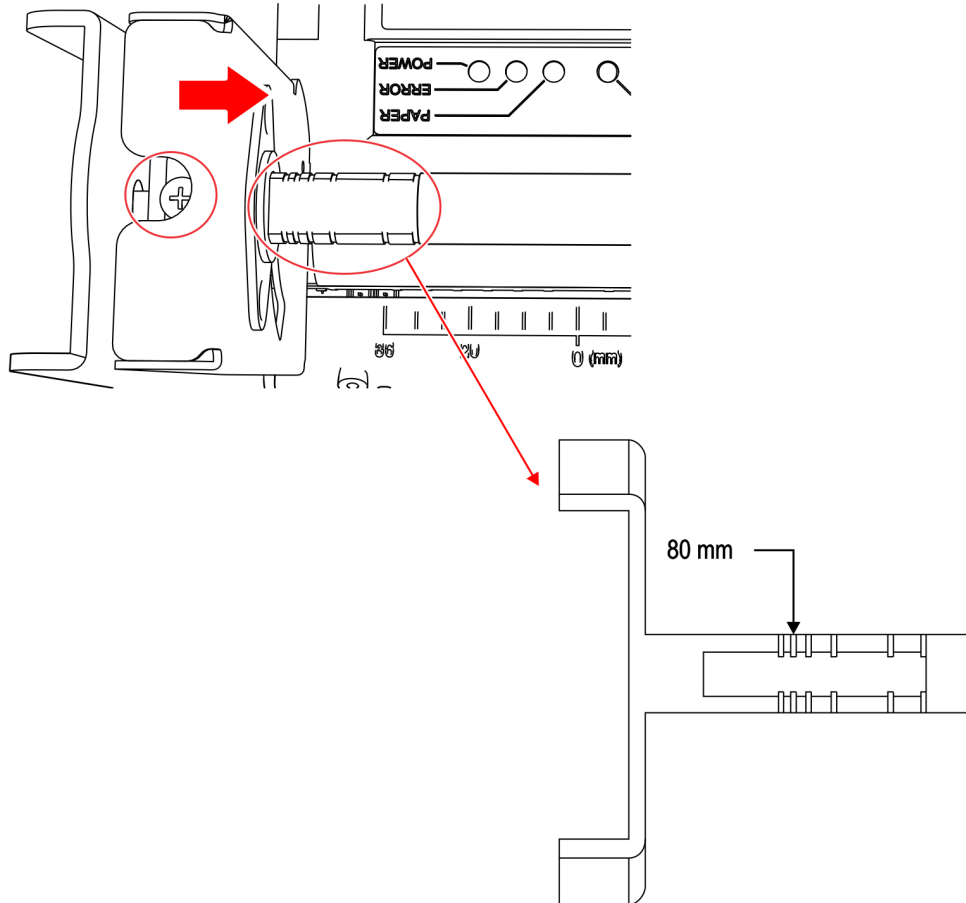


CCP-60040

- Paper Sensor Metal Guide is set to 80 mm. Adjust if necessary.

**Note**

To adjust the Paper Sensor Metal Guide, loosen the screw at the top, slide the metal guide to the 80-mm mark, and re-tighten the screw.

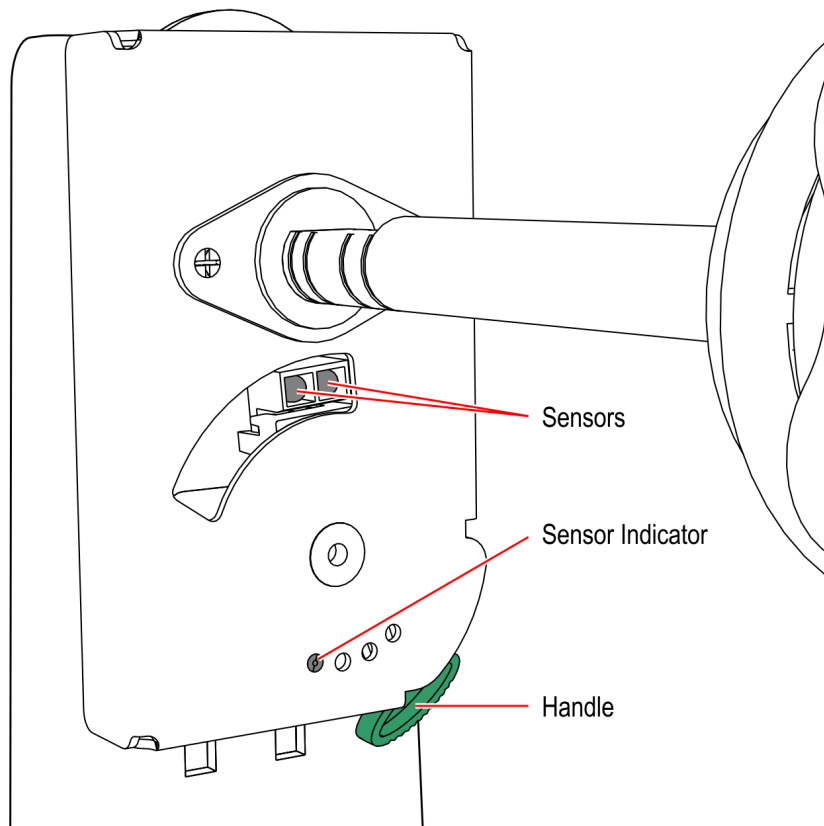


CCP-60073

- Paper Near-end Sensor is set to the first slot as shown in the image below.

**Note**

Use the Green Handle to move the Sensor Indicator from one slot to another.

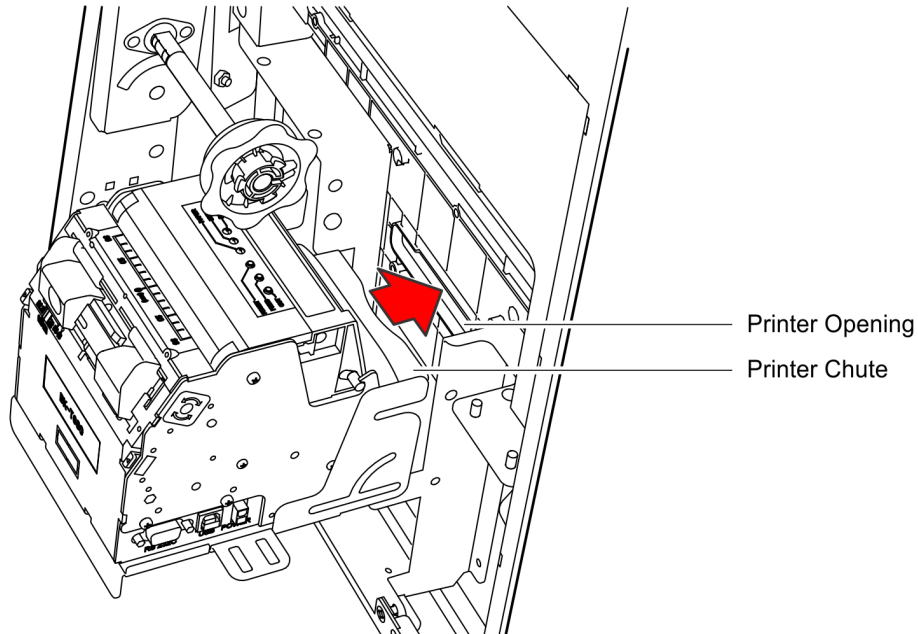


CCP-60074

- b. Install the Printer Assembly to the kiosk, aligning the Printer Chute with the Printer Opening.

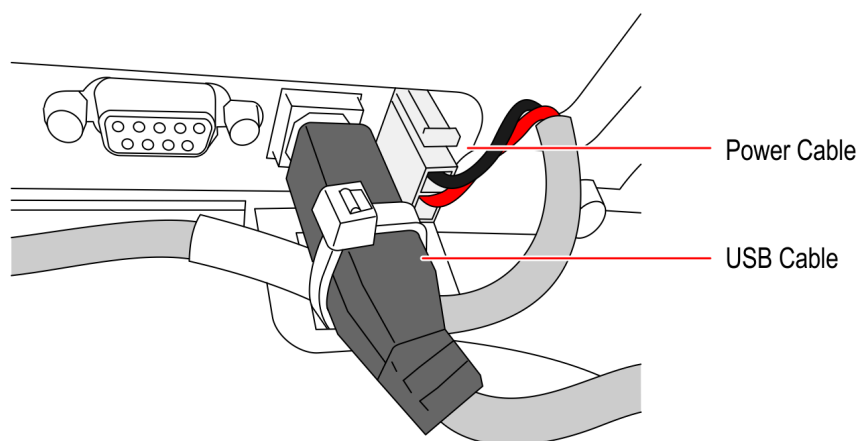
Note

Be careful not to damage the Printer Chute and the areas around the Printer Opening.



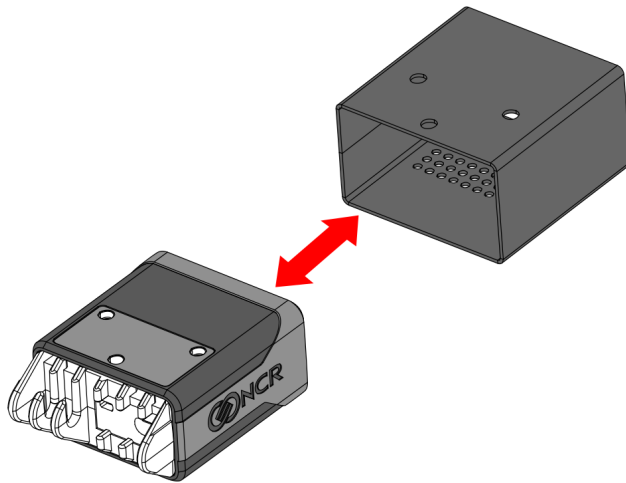
CCP-60041

- c. Using the six screws (three on each side), secure the Printer Assembly to the Z shaped Bracket.
- d. Connect the Printer USB and Power Cables.



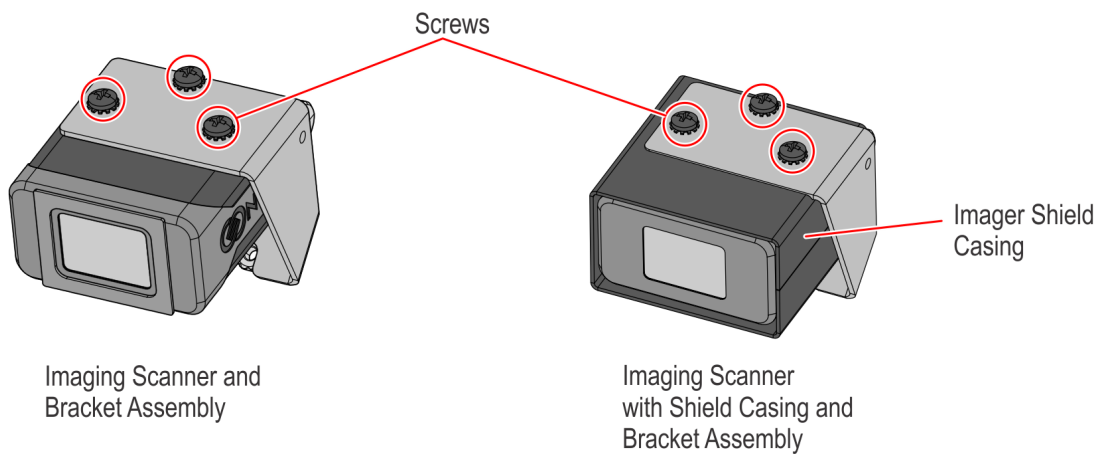
CCP-60042

6. Install the Imaging Scanner using the Imager Mounting Bracket and Gasket included in the kit.
 - a. If the kiosk is installed with a Sensormatic device, insert the Imager to the Shield Casing, aligning their mounting holes.



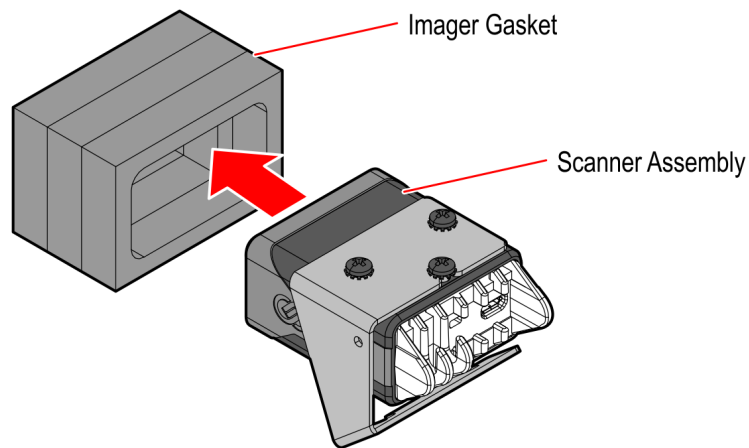
CCP-60829

- b. Align the Mounting Bracket holes to the slots at the back of the Imaging Scanner and secure with three screws.



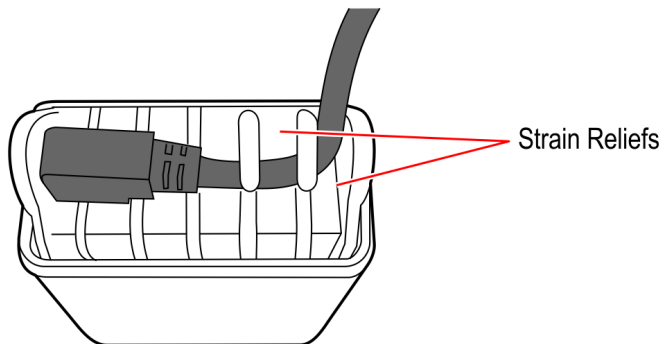
CCP-61360

- c. Insert the Scanner Assembly into the Imager Gasket. The Gasket opening with the rounded corner should mate with the Scanner Assembly.



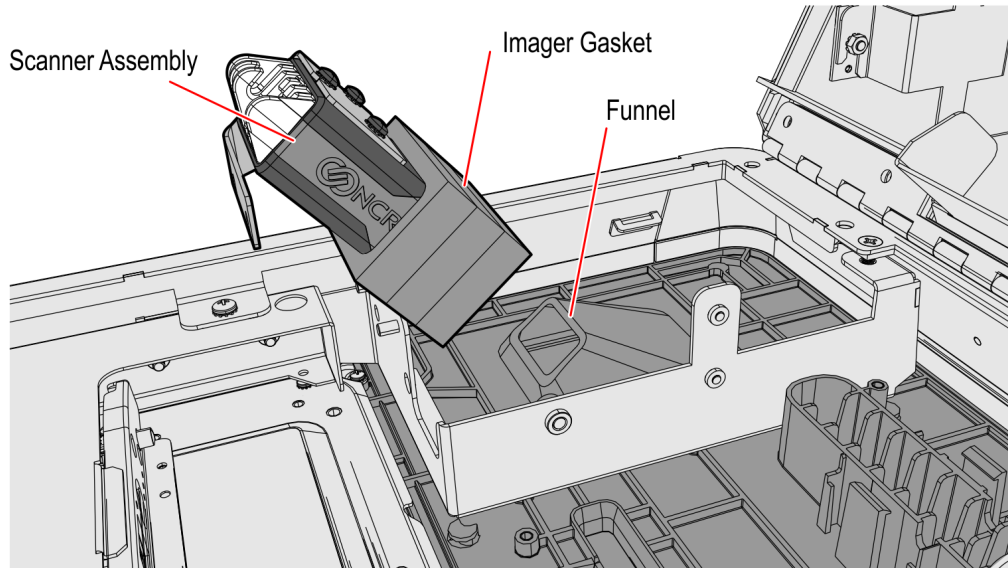
CCP-61017

- d. Connect the Type B end of the Imager USB Cable to the Imaging Scanner and route the cable through the strain reliefs.



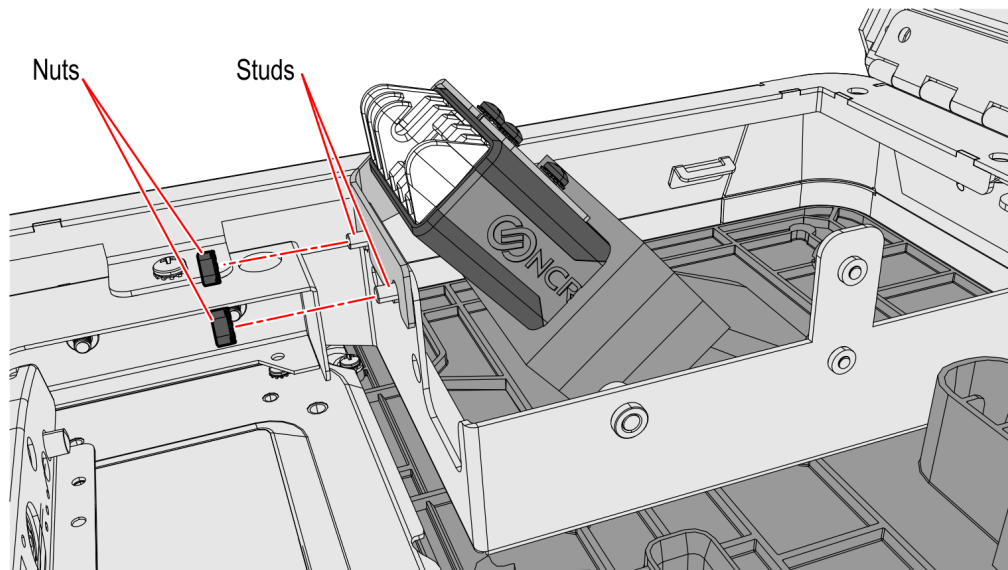
CCP-60038

- e. Check and thoroughly clean the inside and outside area of the funnel.
- f. Properly align the Gasket to the funnel access hole and mount the Scanner Assembly.



CCP-61018

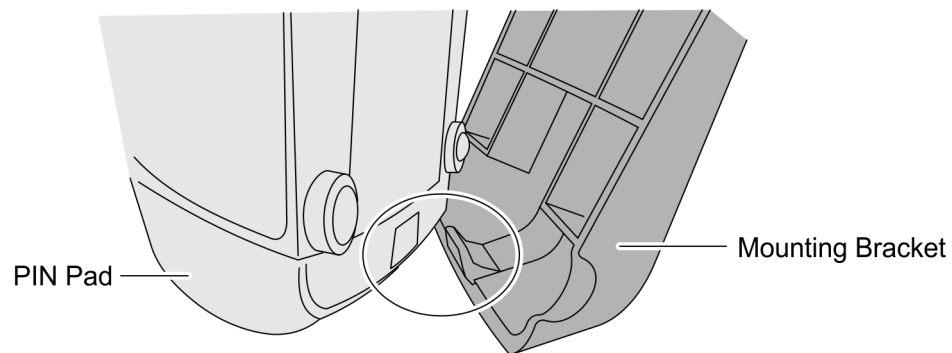
- g. Mount the Imaging Scanner Assembly to the two studs and secure with two nuts.



CCP-61019

- 7. Re-install the PIN Pad.
 - a. Position the Mounting Bracket onto the screws, and then tighten the screws.
 - b. Connect the PIN Pad Cable to the PIN Pad.
 - c. Mount the PIN Pad to the Mounting Bracket by aligning the slot on the lower back of the PIN

Pad with the small tab on the lower portion of the Mounting Bracket.



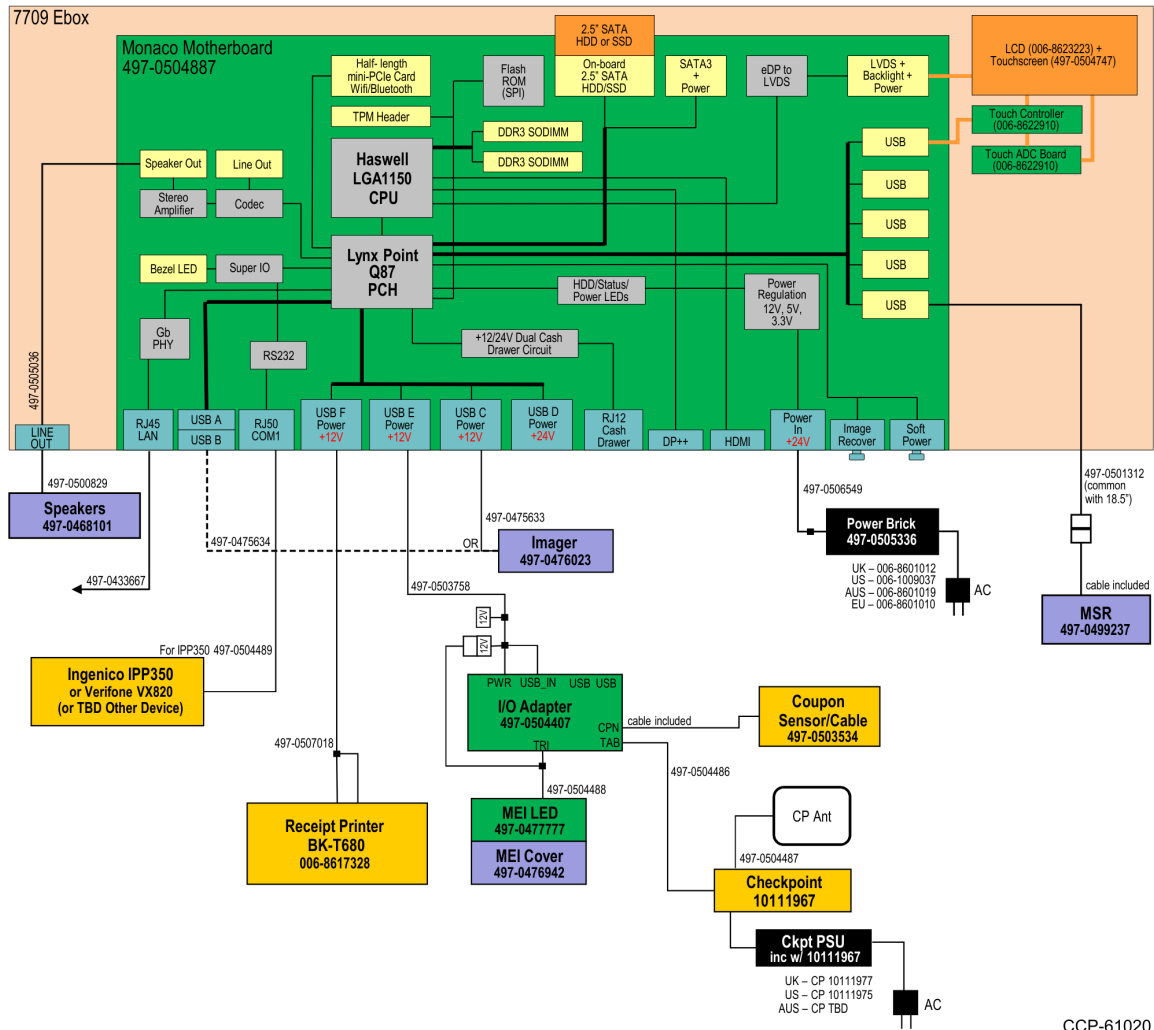
CCP-60071

- d. Push the PIN Pad until it snaps to the upper portion of the Mounting Bracket.
8. Connect the cables to the Motherboard.

Closing the Kiosk

1. Close the kiosk.
2. If the Checkpoint option is used, plug the Checkpoint AC Power Cord to the AC Power Receptacle.
3. Reconnect the AC Power Cord to the AC Power Receptacle.

Block Diagram



CCP-61020