

Hardware Installation Guide

NCR SelfServ™ 75 (7705)

Release 1.2



NCR V  **YIX**

B005-0000-2392

Issue G

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Preface

Audience

This book is written for hardware installer/service personnel, system integrators, and field engineers.

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Safety Requirements

The *NCR Selfserv™ 75 (7705)* conforms to all applicable legal requirements. To view the compliance statements see the [NCR SelfServ™ Kiosks Safety and Regulatory Information](#) (B005-0000-2063).



Caution: The on/off switch is a logic switch only. The AC line voltage primaries are live at all times when the power cord is connected. Therefore, disconnect the AC power cord before opening the unit to install features or service this terminal.

Lithium Battery Warning



Warning: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type as recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.



Attention: Il y a danger d'explosion s'il y a remplacement incorrect de la batterie. Remplacer uniquement avec une batterie du même type ou d'un type recommandé par le constructeur. Mettre au rebut les batteries usagées conformément aux instructions du fabricant.

Battery Disposal (Switzerland)

Refer to Annex 4.10 of SR814.013 for battery disposal.

IT Power System

This product is suitable for connection to an IT power system with a phase-to-phase voltage not exceeding 240 V.

Peripheral Usage

This terminal should only be used with peripheral devices that are certified by the appropriate safety agency for the country of installation (UL, CSA, TUV, VDE) or those which are recommended by NCR Corporation.



Warning: DO NOT connect or disconnect the transaction printer while the terminal is connected to AC power. This can result in system or printer damage.



Warning: DO NOT connect or disconnect any serial peripherals while the terminal is connected to AC power. This can result in system or printer damage.

Grounding Instructions

In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances. Do not modify the plug provided – if it will not fit the outlet, have the proper outlet installed by a qualified electrician. Improper connection of the equipment-grounding conductor can result in a risk of electric shock.

The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor.

If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal. Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if you are in doubt as to whether the product is properly grounded.

Use only 3-wire extension cords that have 3-prong grounding plugs and 3-pole receptacles that accept the product's plug. **Repair or replace damaged or worn cords immediately.**

Warranty

Warranty terms vary by region and country.

All parts of this product that are subject to normal wear and tear are not included in the warranty. In general, damages due to the following are not covered by the warranty.

- Improper or insufficient maintenance
- Improper use or unauthorized modifications of the product.
- Inadequate location or surroundings. Site installation must conform to guidelines listed in the [NCR SelfServ™ 75 \(7705\) Site Preparation Guide](#) (B005-0000-2391) and the [NCR Workstation and Peripheral AC Wiring Guide](#) (BST0-2115-53).

For detailed warranty arrangements please consult your contract documents.

References

- *NCR SelfServ™ 75 (7705) Site Preparation Guide* (B005-0000-2391)
- *NCR SelfServ™ 75 (7705) Operator Guide* (B005-0000-2393)
- *NCR SelfServ™ 75 (7705) Service Guide* (B005-0000-2397)
- *NCR SelfServ™ 75 (7705) Parts Identification Manual* (B005-0000-2390)
- *NCR SelfServ™ Kiosks Safety and Regulatory Information* (B005-0000-2360)
- *NCR Workstation and Peripherals AC Wiring Guide* (BST0-2118-82)
- *NCR Ethernet Communications Wiring Guide* (BST0-2118-82)
- *NCR SelfServ™ Checkout Profile Manager Lite User Guide for ADD 3.x* (B005-0000-2279)

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Appendix A: F53 Notes Dispensed

Revision Record

Issue	Date	Remarks
A	Mar 2015	First Issue
B	May 2016	Added PIN Pad installation procedures
C	Oct 2017	Updated with Sidecar information, UX300/UX100 installation procedures, instructions for loading media items.
D	Sept 2018	Added UX100, UX300, UX400 fascia mounting installation procedures.
E	Mar 2019	Added the #7mm nut driver to the list of required tools
F	Mar 2020	Updated cleaning procedures
G	Nov 2024	Removed OBF Updated links Rebranded to Voyix template

Chapter 1: **Product Overview**



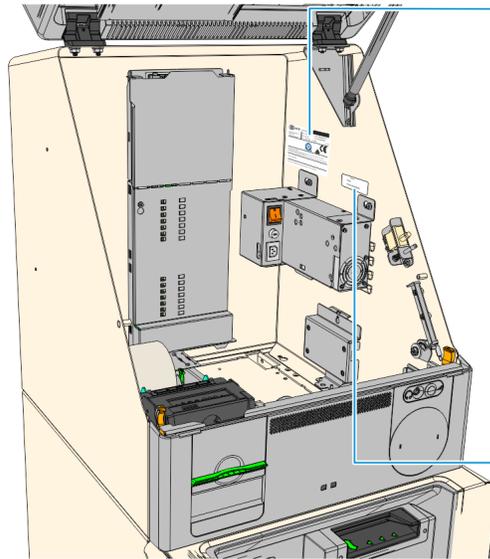
The NCR SelfServ 75 is an interior Kiosk that provides self-service functions in retail and telecom environments. It supports cash, debit, credit, and check bill payment, SIM card dispensing, and customer service functions.

This guide is intended for NCR personnel or NCR customer personnel who are qualified to install the Kiosk.

Available Models

Model Name	Description
7705-2000-8801	7705 Rel 1.1 Base Configuration
7705-3000-8801	7705 R1.2 Base Configuration

Product Labels



Product ID Label

 NCR SelfServ™ 75 		
NCR Global Solutions Ltd Made in China Manufactured: XXX XXXX	Class: 7705 Tracer: XX - XX Vâc: XXX - XXXv	Model: 7705-XXXX-YYYY Serial: XX-XXXXXXXXX Hz: 50/60 A: X.X
		
Electromagnetic Compatibility This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.		
CAN ICES-3 (A)/NMB-3(A).		
Complies with FDA Radiation Performance Standards, 21 CFR Subchapter J		

COA Label

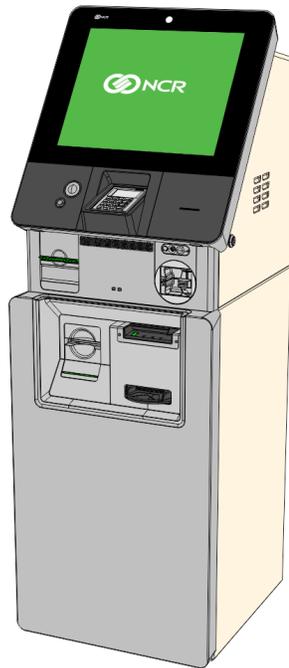
XXX-XXXXX OS Version Product Key: XXXXX-XXX-XXX-XXX

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Configurations

The SelfServ 75 Kiosk has the following base models which can be configured with various features:

- Bill Payment
- Bill Payment and Card Dispense



Bill Payment



Bill Payment and Card Dispense

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Installation Guidelines and Restrictions

- Before installing the kiosk, read and follow the guidelines in the [NCR SelfServ™ 75 \(7705\) Site Preparation Guide](#) (B005-0000-2391) and the [NCR Workstation and Peripheral AC Wiring Guide](#) (BST0-2115-53).
- Install the terminal near an electrical outlet that is easily accessible. Use the power cord as a power-disconnect device.
- Do not permit any object to rest on the power cord. Do not locate the terminal where the power cord can be walked on.
- Use a grounding strap or touch a grounded metal object to discharge any static electricity from your body before servicing the terminal.
- If the power cord is replaced, it must be replaced with the same type of cord with the protective shroud.
- Do not route the power cord through opening with sharp edges.



Caution: This device contains hazardous voltages and should only be serviced by qualified service personnel.



Note: Due to the weight of the NCR SelfServ 75 kiosk, a **minimum of two persons** is required to install the kiosk.

Required Tools

When installing the Kiosk, NCR recommends that you have the following tools available:

- Pincers/claw hammer to remove staples/nails from around the pallet
- Scissors
- Selection of screwdrivers (flat, Pozi and cross head)
- Hex nut driver set (including M3 and M4 sizes)
- #7mm nut driver with torque limiter
- **19 mm** (3/4 in.) socket wrench for M12 bolts to fit the security enclosure bolts)
- **17 mm** (11/16 in.) ring/open-ended combination spanner or socket
- Lifting/moving device with a toe plate of suitable length and width to fit under the Kiosk when on a pallet.

Safety Information

Colored areas such as handles and latches must **always** be used when accessing the modules in the Kiosk, as stated in NCR publications. Different colors are used to denote different purposes as follows:

- **Orange** = module access
- Always use the orange handles, latches or levers to release and pull out the modules from the Kiosk
- **Green** = user interaction
- Use the green areas such as latches and wheels when working within the modules, for replenishment, jam clearance, emptying or cleaning tasks
- **Yellow** = safe lifting points. For second line maintenance only
- **Red** = hazard indicator

Accessing Modules

The kiosk ships with two different sets of keys to open and access modules inside the kiosk.

- **Kiosk Key**— unlocks and opens the following areas:
 - [Fascia and Top Box](#)
 - [Front Door](#)
 - [Sidecar](#)
- **Safe Operating Key**— unlocks and opens the [Safe](#)

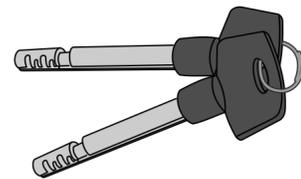
If the safe door cannot be opened for reasons such as lost keys or broken lock mechanism, contact a locksmith to open the safe. Once the safe is opened, contact NCR Services or your local NCR Account Support Manager to schedule installation of a new lock.



Note: A new set of Safe Operating Keys with a different key code can be ordered as a kit, 7705-K021. For more information on this kit, refer to [7705-K021 \(7705 Safe Door Replacement Key\)](#).



Kiosk Keys



Safe Operating Keys



Fascia and Top Box

The kiosk fascia is opened and closed using the Kiosk Key in the lock on the right-hand side. The fascia will lift up once unlocked. When closing the Kiosk, make sure it is firmly latched then remove the key.

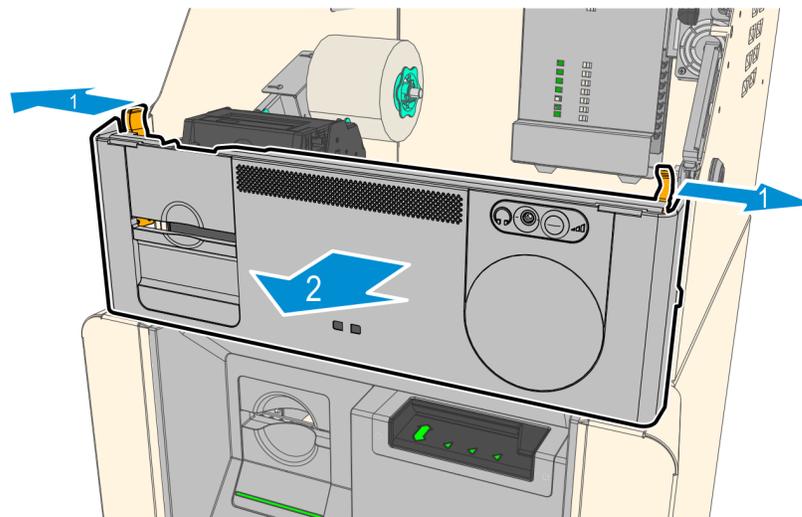


Note: For more information on the Keys required to open the Kiosk, see [Accessing Modules](#).



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For the best possible access to the modules in the top-box, for replenishment or jam clearance, you can slide the front panel out slightly. Push the two orange latches outwards and pull the front panel towards you until it stops.



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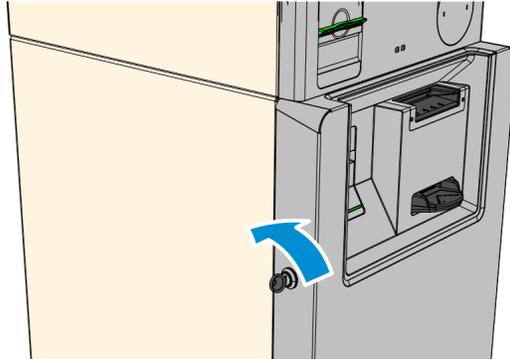
Safe

To open the Safe and access modules inside, perform the steps below.

1. Insert the Kiosk Key in the lock on the left-hand side of the Kiosk Front Door and turn the key backward (counterclockwise) to unlock and open the front door.



Note: For more information on the Keys required to open the Kiosk, see [Accessing Modules](#).



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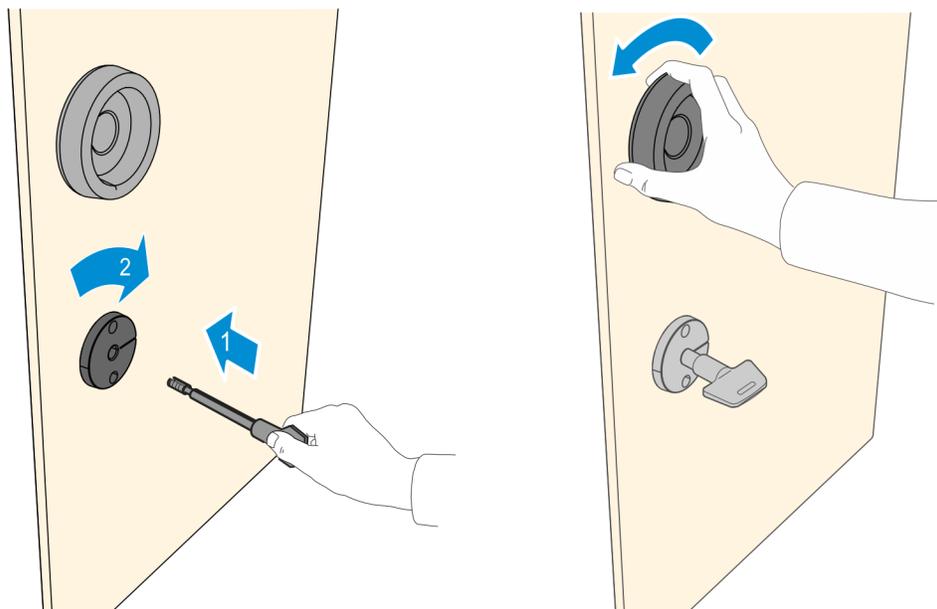
2. Insert and turn the key clockwise to unlock the Safe, then turn the handle counterclockwise to retract the bolts and open the Safe.



Caution: Never force the key into the lock. This could cause permanent damage to the lock or the key. Once the Key is inserted, do not apply inward or outward force to the key. This could prevent the lock from opening correctly.

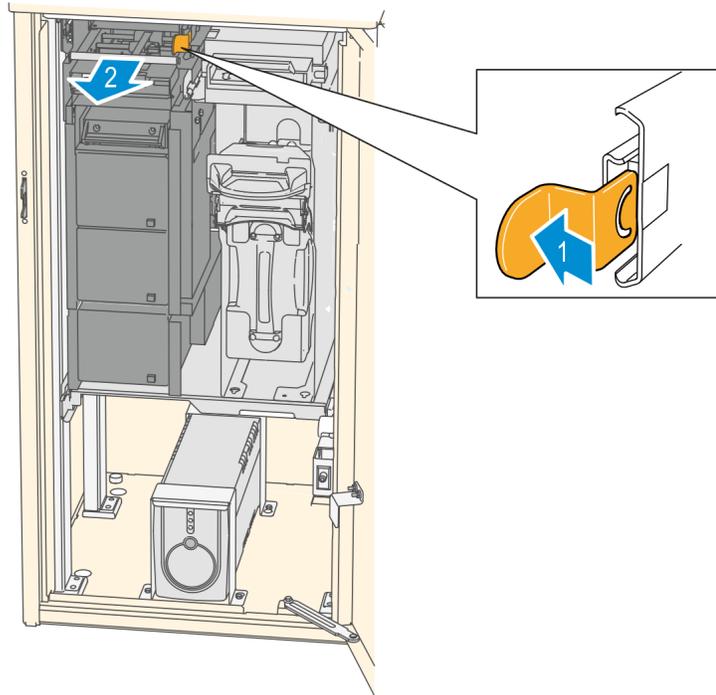


Note: The key cannot be removed while the bolt is retracted.



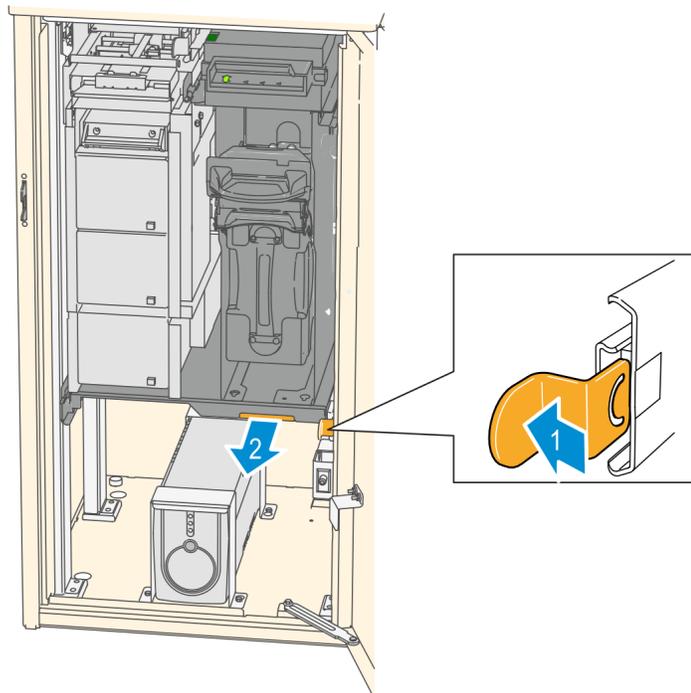
CCP-64038

3. To pull out the Note Dispenser, press the orange latch and use the green horizontal bar on top to pull the dispenser until the slides are fully extended.



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4. To pull out the Check Acceptor and Single Note Acceptor, press the orange latch and use the orange handle to pull out the module tray until the slides are fully extended.



CCP-64036

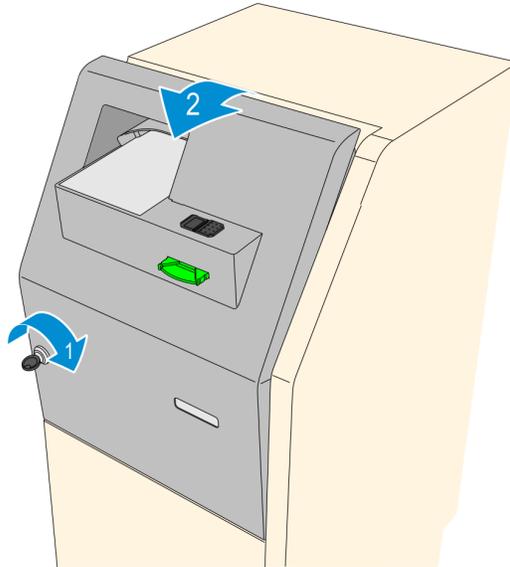
Sidecar

To open the Sidecar and access modules inside, perform the steps below.

1. Insert the Kiosk Key into lock, turn the key clockwise and then slightly tilt the top side of the Sidecar Fascia forward to unlock it.

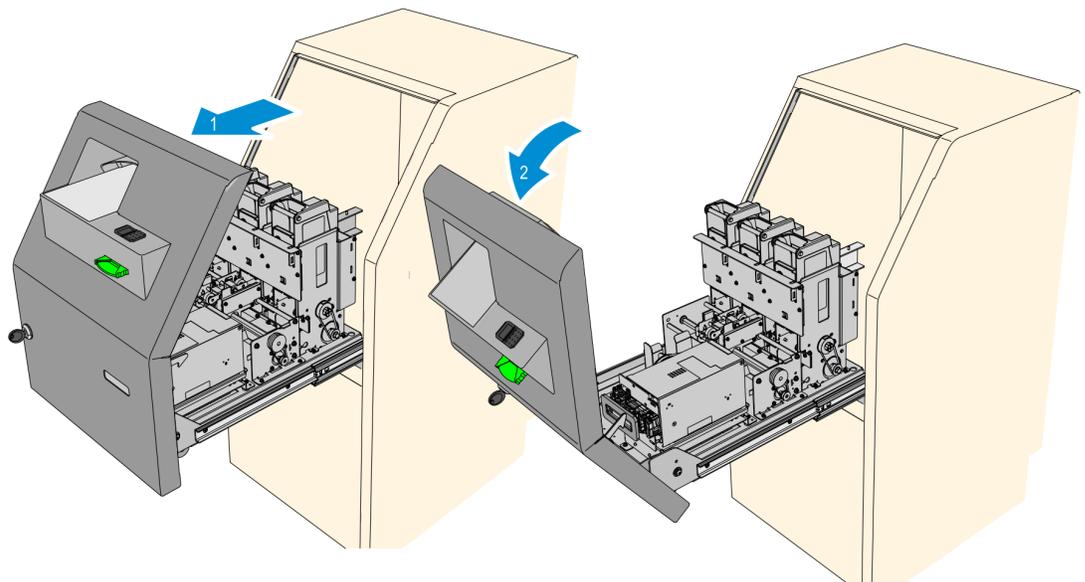


Note: For more information on the Keys required to open the Kiosk, see [Accessing Modules](#).



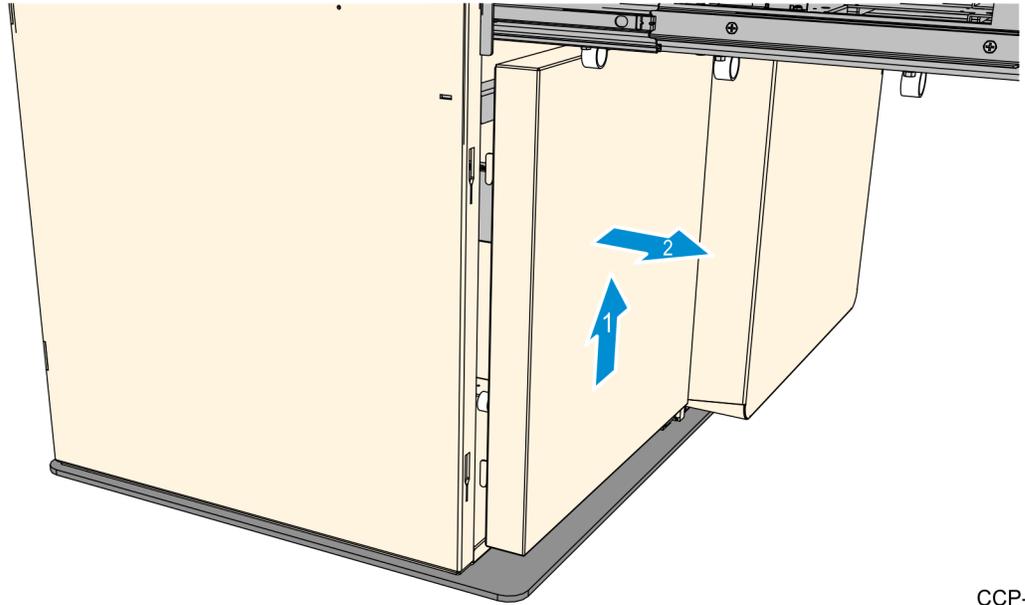
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2. Pull the fascia away from the Sidecar Cabinet until fully extended. For best access to the devices mounted on the Sidecar Fascia, tilt the door forward until it stops.



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3. To access components in the bottom part of the Sidecar Cabinet, remove the Cover Panel. Slide the panel upward to unhook it and then pull it away from the cabinet.

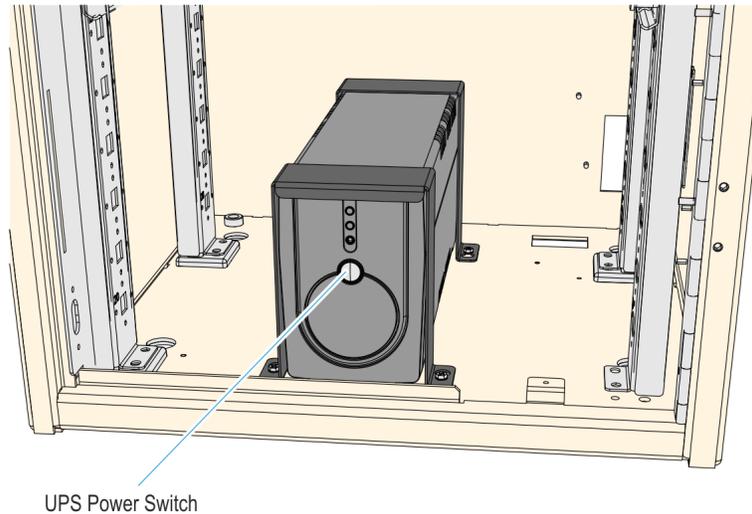


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Turning ON the Kiosk

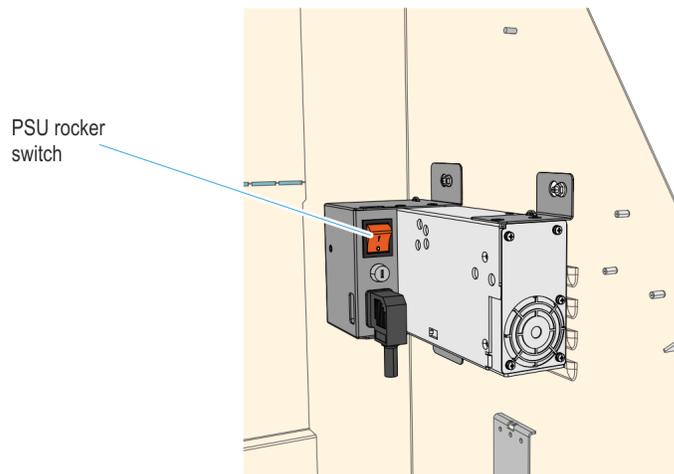
The kiosk should be switched ON using the power switch located in the top-box, power switch in the Sidecar if present, and the UPS power switch if present.

1. Plug the AC power cable to an AC power source.
2. If present, push the UPS Power Switch to turn it ON.



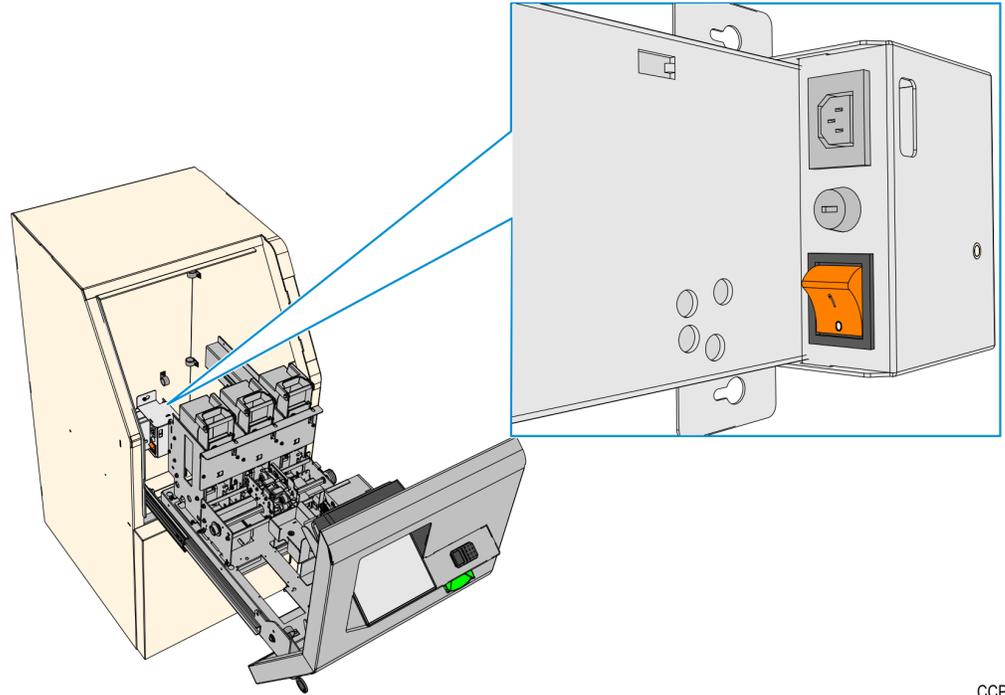
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3. Push the Top Box PSU switch to the "I" position.



CCP-64010

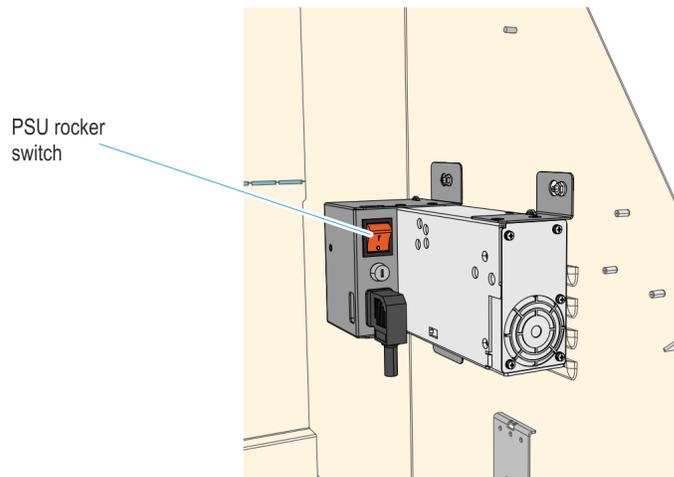
4. If a Sidecar is present, push the Sidecar PSU switch to the "I" position.



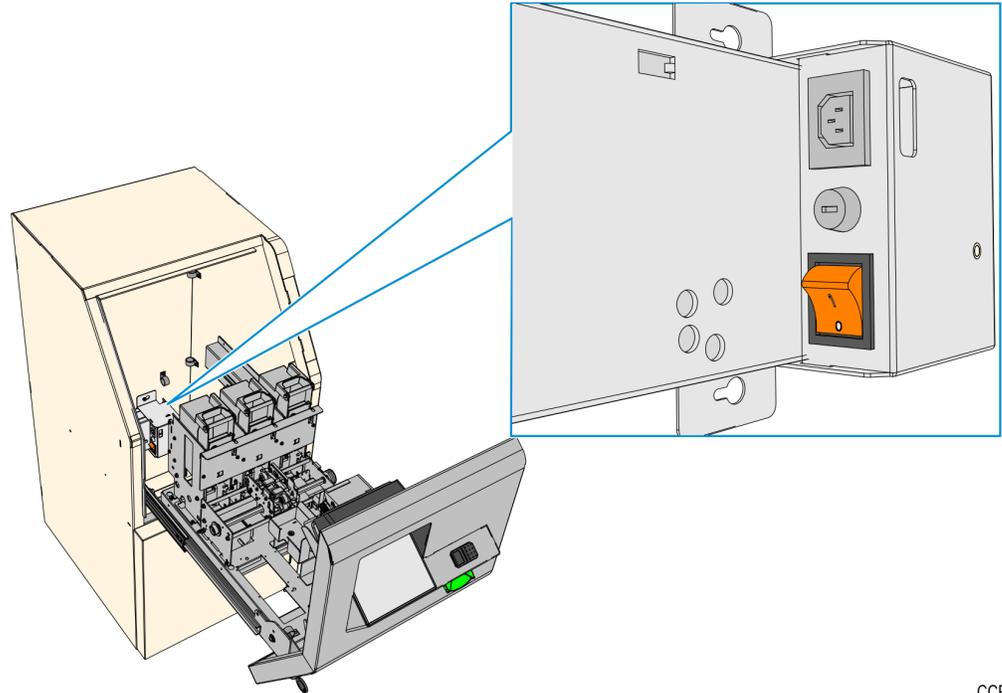
Turning OFF the Kiosk

The kiosk should be switched OFF using the power switch located in the top-box, power switch in the Sidecar if present, and the UPS power switch if present. However if necessary, the External AC Power Cable can be used to disconnect power.

1. Exit and close Kiosk Software Application.
2. Shut down the Kiosk Operating System. At the bottom left-hand corner, select **Start**→**Shut down**.
3. Push the Top Box PSU switch to to the "0" position.

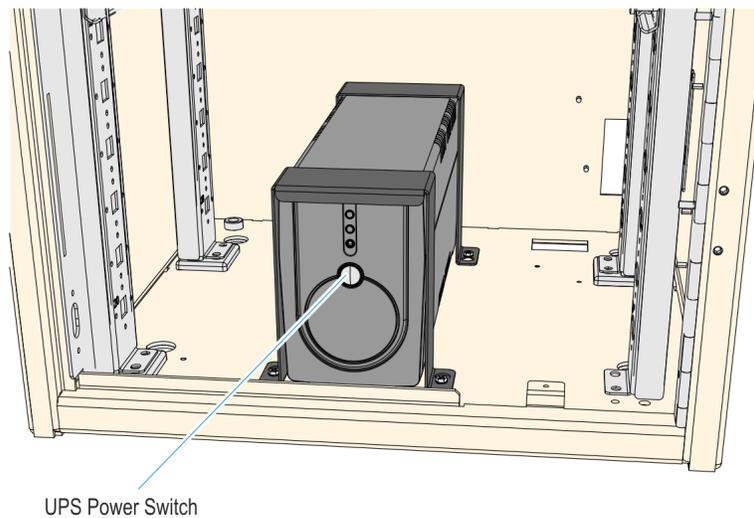


4. If a Sidecar is present, push the Sidecar PSU switch to to the "0" position.



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5. If a UPS is present, push the power switch to shut it down.



UPS Power Switch

CCP-64009

6. Unplug the AC Power Cable from the AC power source.

Chapter 2: Hardware Installation

Installation Procedure

Installation of the NCR SelfServ 75 Kiosk slightly varies according to the kiosk configuration, either Main Kiosk Only (Bill Payment) or Kiosk with Sidecar (Bill Payment and Card Dispense).



Bill Payment



Bill Payment and Card Dispense

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Before starting with the installation, make sure to read the [Installation Guidelines](#) and prepare the [Required Tools](#).

To install the NCR SelfServ 75 Kiosk, perform the following steps:

1. [Prepare the Kiosk for Installation.](#)
2. [Remove the External Packaging.](#)
3. [Inspect the Kiosk for Damage.](#)
4. [Remove the Kiosk from its Pallet.](#)
5. [Bolt the Kiosk to the Floor.](#)



Note: This step is required only for the Main Kiosk Configuration. The Kiosk with Sidecar configuration is freestanding and does not require bolting to the floor.

6. [Remove the Internal Packaging.](#)
7. [If required, install the Electronic Payment Terminal.](#)



Note: These devices are customer supplied and require customer-programmed settings before installing to the Kiosk.

8. [Load media items to required Kiosk components.](#)
9. [Connect External Cables.](#)
10. [Clean the Kiosk Exterior.](#)
11. [Turn On the Kiosk.](#)

Preparing the Kiosk for Installation

Move the Kiosk to its approximate installation site using a suitable lifting device. To avoid damage to the Kiosk and the premises, the Kiosk should be moved with its packaging intact.

Refer to the [NCR SelfServ™ 75 \(7705\) Site Preparation Guide](#) (B005-0000-2391) for details of the Kiosk dimensions, weights, packaging dimensions and clearances required for moving the Kiosk in a confined space.



Warning: Only qualified persons, trained in the moving of heavy items and using suitable equipment as required by local health and safety laws, should attempt to move the Kiosk. Unqualified persons trying to move the Kiosk risk severe injury.

Removing the External Packaging

Before removing the external packaging, examine it for signs of damage which may have occurred during transit. Examine the tape covering the clips to ensure it has not been tampered with. Make a note of any external damage.

When the Kiosk is approximately in its final installation position, remove the external packaging according the kiosk configuration:

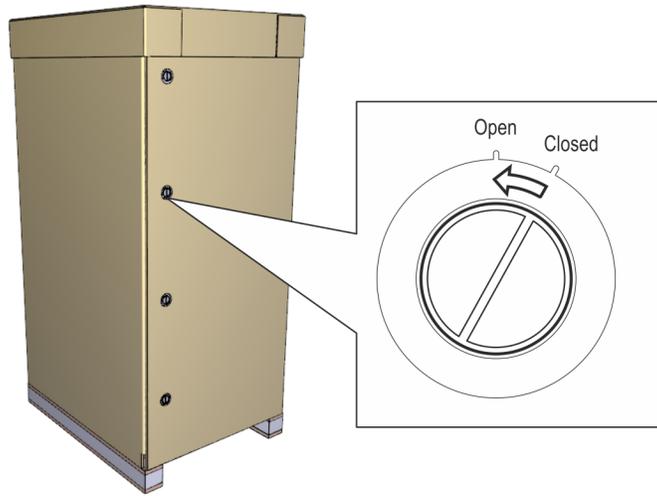
- [Main Kiosk Only](#)
- [Kiosk with Sidecar](#)



Note: Take care not to damage the Kiosk when removing the packaging.

Main Kiosk Only

1. Remove the staples holding the lid to the carton.
2. Remove the lid.
3. Remove the tape covering all the clips.
4. Remove the clips from both sides of the carton by turning the inner part of each of the clips from the "Closed" position to the "Open" position, then pull out the clips.



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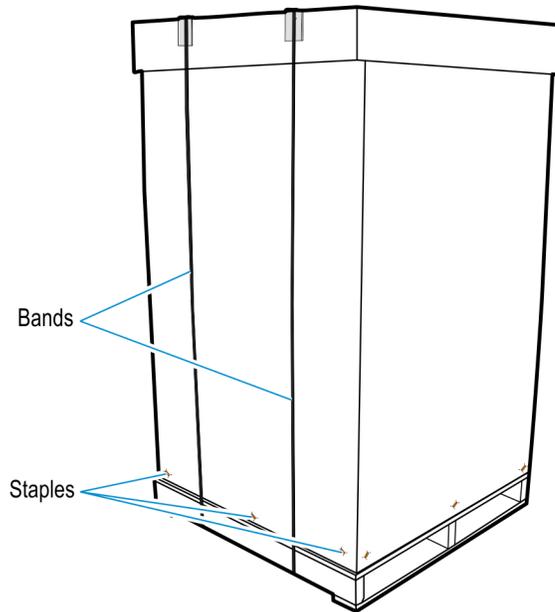
5. Lever out the staples from the base of the carton and remove them.
6. Lift the carton walls away from the pallet.
7. If a foil "SEET" bag is fitted, remove any accessory cartons from the outside of the bag, carefully cutting the strapping or tape as necessary. Cut the sealed SEET bag around the bottom, then remove it from the Kiosk.
8. Remove any other accessory cartons, by carefully cutting any strapping or tape, then removing the edge guard.
9. If fitted, carefully remove the plastic bag covering the Kiosk.
10. Remove the tape securing the plastic accessories bag to the rear of the cabinet. Remove the following items from the plastic bag:
 - Kiosk fascia keys
 - Documentation
 - Software discs
 - Plastic bag containing screws and tools.
11. Remove pieces of tape and foam from around the exterior of the Kiosk.

12. Open the fascia and remove the tape and foam sheet which is protecting the I/O panel.
13. Remove the taped envelope containing the Safe Operating Keys from the distribution panel at the rear of the top-box.

! Important: The pair of Safe Operating Keys is shipped with a a piece of paper containing its key code and a black Change Key. The Key Code is necessary in order to receive a replacement or additional Operating Key(s). The Change Key is used to set up the Safe Key Lock to accept a new Operating Key with a different key code.; Therefore, keep these two items in a secure place for future use.

Kiosk with Sidecar

1. Cut the two bands around the carton and pallet and remove the staples from the bottom of the shipping carton.



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2. Lift the shipping carton off the wood shipping pallet.
3. If present, remove the plastic bag that covers the Kiosk and remove any cellophane wrapping around the unit.
4. Remove the bubble wrap or thin sheets of foam on the touchscreen, on top of the Kiosk, Passport Reader, and Fingerprint Reader.
5. Remove the tape securing the plastic accessories bag to the rear of the cabinet. Remove the following items from the plastic bag:
 - Kiosk fascia keys
 - Documentation
 - Software discs
 - Plastic bag containing screws and tools
6. Remove pieces of tape and foam from around the exterior of the Kiosk.
7. Open the fascia and remove the tape and foam sheet which is protecting the I/O panel.

8. Remove the taped envelope containing keys from the distribution panel at the rear of the top-box.

! Important: The pair of Safe Operating Keys is shipped with a piece of paper containing its key code and a black Change Key. The Key Code is necessary in order to receive a replacement or additional Operating Key(s). The Change Key is used to set up the Safe Key Lock to accept a new Operating Key with a different key code.; Therefore, keep these two items in a secure place for future use.

Inspecting the Kiosk for Damage

Unpack the product and components and verify if the delivery matches the information in the delivery documents.

If you experience an out of box failure (OBF) during installation or staging related to a missing, wrong or defective unit or item, simply provide NCR with a detailed description of the issue and the item will be replaced free of charge. For assistance with this process send an email to CustomerSat.Retail@ncr.com with the following details:

- NCR Sales Order # (Sales Order # are located on the box)
- Date of Product Installation
- Product Model #
- Unit Serial #
- NCR part # of defective/missing/wrong component
- Description of Failure (please be specific. For example: "display will not power on")
- Customer/Requestor's contact name, phone number and/or e-mail address
- Address to ship replacement part(s)

Transport the product in its original packaging to prevent impact damages.

If you do not have access to a computer, you may leave a voice message at: 1-800-528-8658 (USA), or (International) +1-770-623-7400. When leaving a message, please provide a phone number and/or an email address so NCR can contact you if additional details are needed.



Note: Used equipment that experiences a failure does not qualify as an OBF and should go through the NCR warranty process.

Removing the Kiosk from its Pallet

After inspecting for damage, remove the kiosk from its pallet according to its configuration.

- [Main Kiosk Only](#)
- [Kiosk with Sidecar](#)



Warning: When moving the Kiosk, do not tilt or apply force to the top-box as this may damage the unit. Any force should be applied to the lower cabinet.

Main Kiosk Only

1. Position the unit near the install location using a pallet jack.
2. From the underside of the pallet, use a **17 mm** (11/16 in.) spanner and socket or socket wrench to loosen the four bolts extending through to the bottom of the Kiosk.
3. Remove the four 'C' washers, then remove the four bolts and sleeves.
4. Position a suitable pair of lifting trolleys on either side of the pallet and insert the toes of the trolleys under the Kiosk.



Note: The Kiosk must be lifted from the front or the rear.

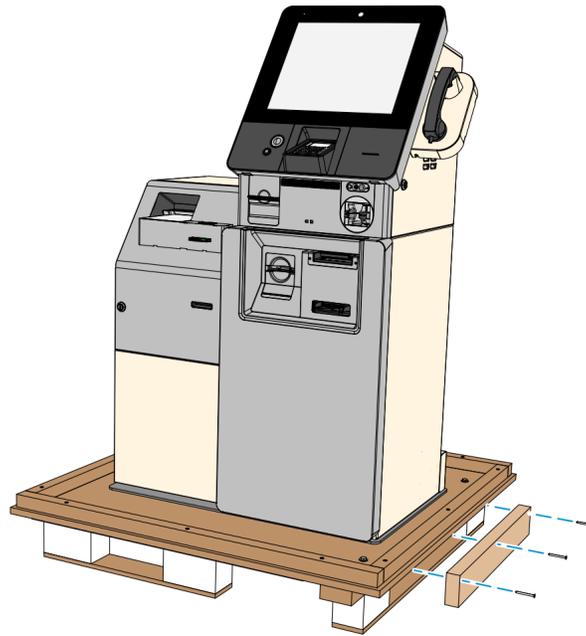
5. Strap the trolleys to the Kiosk, inserting packing where necessary to protect the Kiosk's paintwork and to stop the Kiosk from moving.
6. Pump up both trolleys to lift the Kiosk clear of the pallet then slide the pallet out from under the Kiosk.
7. Move and position the Kiosk to the installation site.
8. Carefully remove the Kiosk from the trolleys.



Warning: When moving the Kiosk, do not tilt or apply force to the top-box as this may damage the unit. Any force should be applied to the lower cabinet.

Kiosk with Sidecar

1. Position the unit near the install location using a pallet jack.
2. Underneath the main kiosk cabinet side of the pallet, remove the three screws securing the pallet jack block and then remove the block.



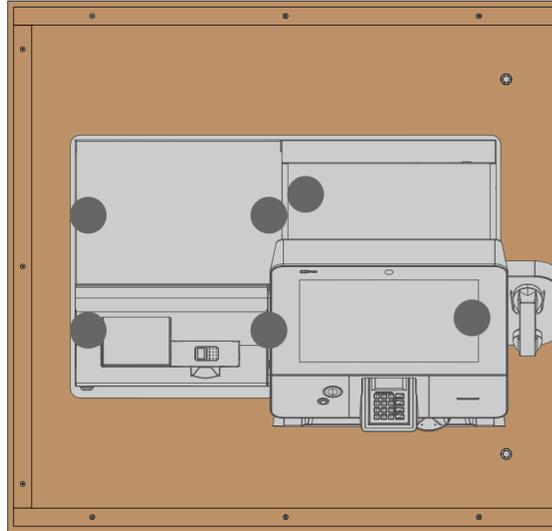
CCP-72885

3. On the main kiosk cabinet side of the pallet, remove the three screws securing the wooden brace board and then remove the brace board.



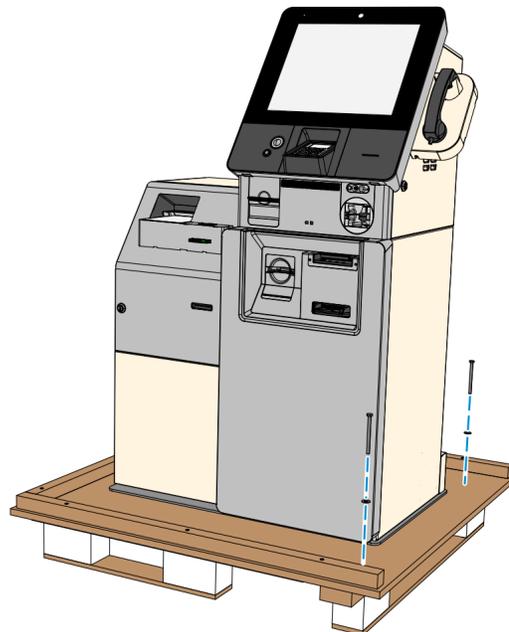
CCP-72886

4. From the underside of the pallet, use a **17 mm** (11/16 in.) spanner and socket or socket wrench with an extension to remove the shipping bolts (6) securing the kiosk to the pallet. The illustration below shows the Top View of the kiosk on the pallet with the location of the shipping bolts.



CCP-72889

5. Remove the two bolts securing the pallet foot under the main kiosk cabinet.



CCP-72887

6. While supporting the Kiosk on both sides, lift the pallet up using a pallet jack and remove the foot from underneath the pallet.



CCP-72888

7. Support the Kiosk on both sides and lower the pallet carefully. The pallet tilts to the side where the foot was removed.
8. Slowly slide the Kiosk off the pallet and walk the Kiosk to the final installation location.



CCP-72890

Bolting the Kiosk to the Floor

The Main Kiosk Only configuration of the SelfServ 75 requires to be bolted to the floor. The Kiosk with Sidecar configuration is freestanding and does not require bolting.



Note: The floor must be prepared and securing bolt holes drilled prior to the final siting of the terminal.

1. Use lifting trolleys to move the Kiosk onto the floor so that the holes in the base of the security enclosure line up with the fixing holes in the floor.



Warning: Do not pull the module tray and the security enclosure modules out at the same time until the Kiosk is bolted to the floor.

2. Unlock and open the bottom cabinet door and the security enclosure.
3. Locate the four holes in the base of the security enclosure. Position the washers, insert the four bolts through the holes and secure the Kiosk to the floor.

Removing the Internal Packaging

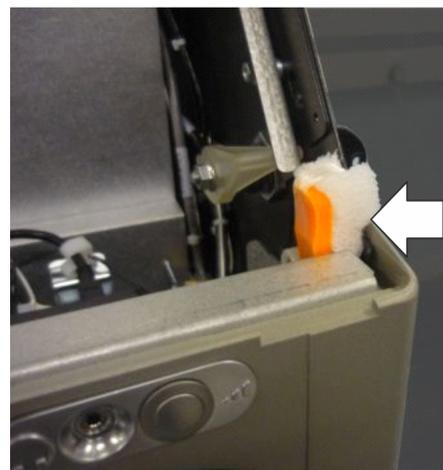
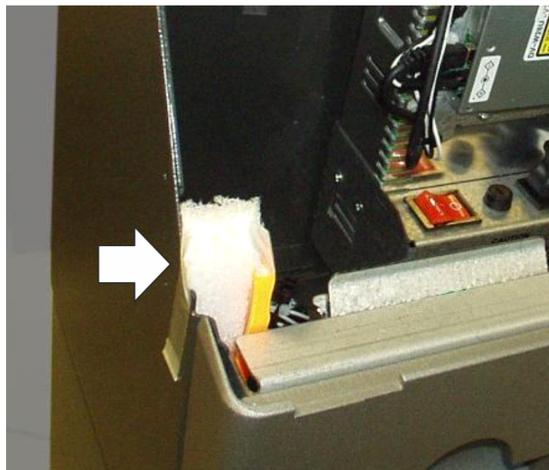
This section describes how to remove the internal packaging from all modules. Ignore those steps which apply to modules not configured in the Kiosk. Note that the amount and types of packing may be subject to change without notice.

- [Top Box](#)
- [Safe](#)
- [Sidecar](#)

Top Box

Fascia I/O Panel

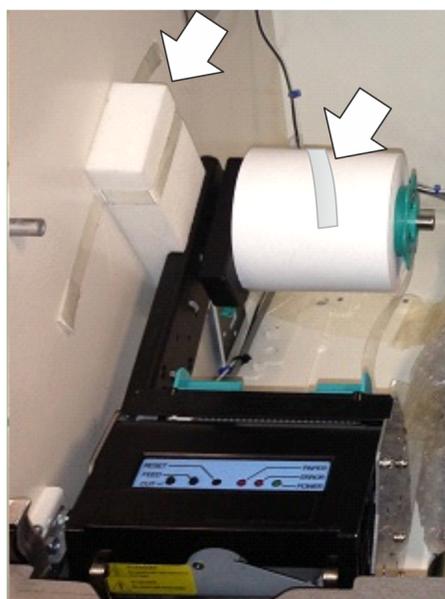
Remove the tape and foam pieces from between the panel latches and the top-box.



SNBC Receipt Printer

Remove the following packaging:

- Tape from across the paper roll
- Foam block from beside the paper roll holder



Safe

Dispenser

Remove the following packaging:

- Tape and foam block from each side of the dispenser
- Tape and foam block from the front of the dispenser
- Tape and small foam block from the dispenser latch



Single Note Acceptor

Remove the following packaging:

- Tape and small foam block from the module tray latch
- Tape and foam block from the front of the SNA cassette
- Tape and foam sheet from the infeed



Check Reader

Remove the following packaging:

- Tape and foam block from the front of the cheque reader
- Screws on the right-hand side holding the cheque reader closed.

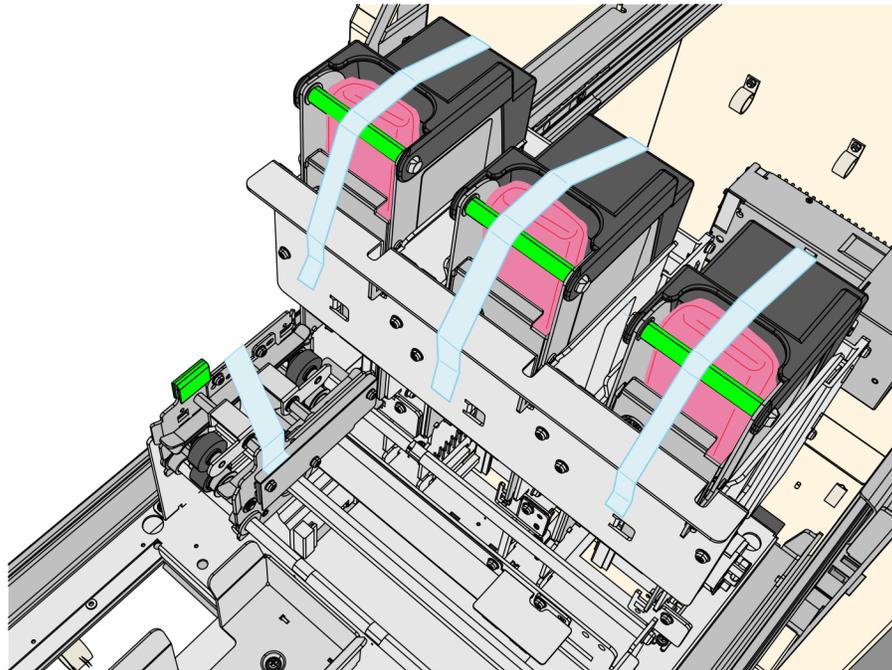


Sidecar

Triple-Hopper Card Dispenser

Remove the following packaging:

- Tape and bubble wrap from each card hopper
- Tape securing the card transport



CCP-72013

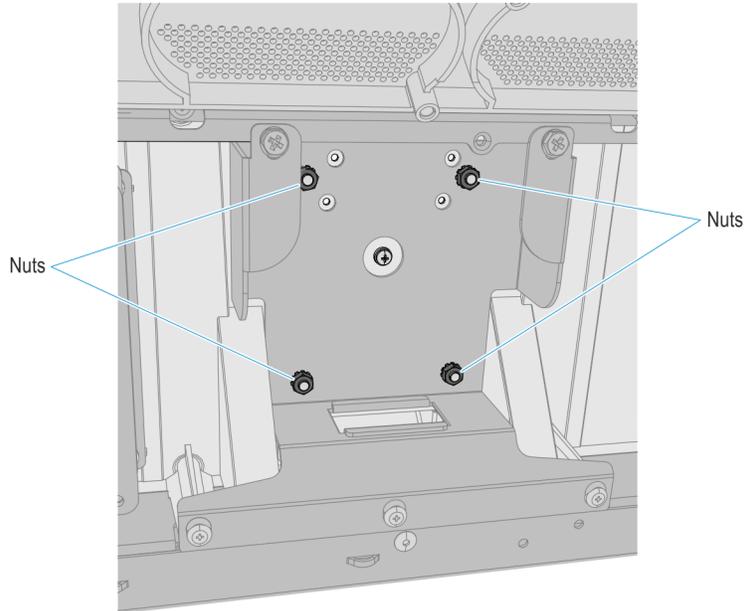
Installing the Electronic Payment Terminal

The NCR SelfServ 75 provides support to the following customer supplied electronic payment terminals:

- [Ingenico IPP 350 PIN Pad](#)
- [Verifone VX 805 PIN Pad](#)
- [Verifone VX 820 PIN Pad](#)
- [Verifone UX100 PIN Pad with UX300 MSR](#)
- [Verifone UX100 PIN Pad with UX300 MSR and UX400 NFC Reader](#)

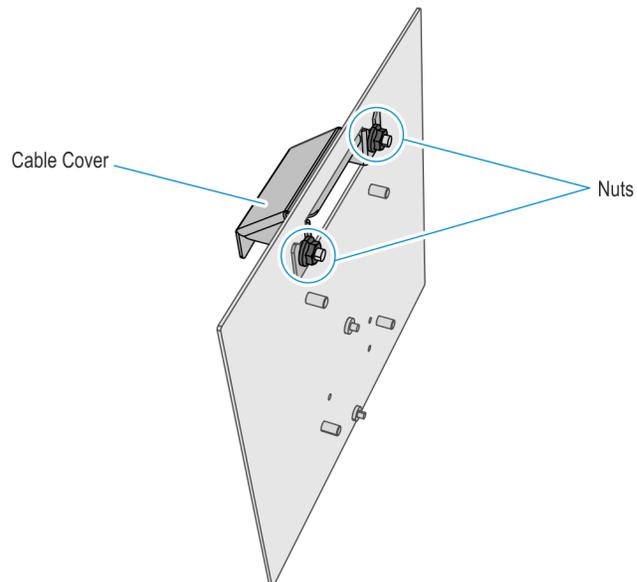
Installing the Ingenico IPP350 PIN Pad

1. Unlock and open the fascia.
2. Remove four nuts to remove the pin pad mounting bracket from the fascia.



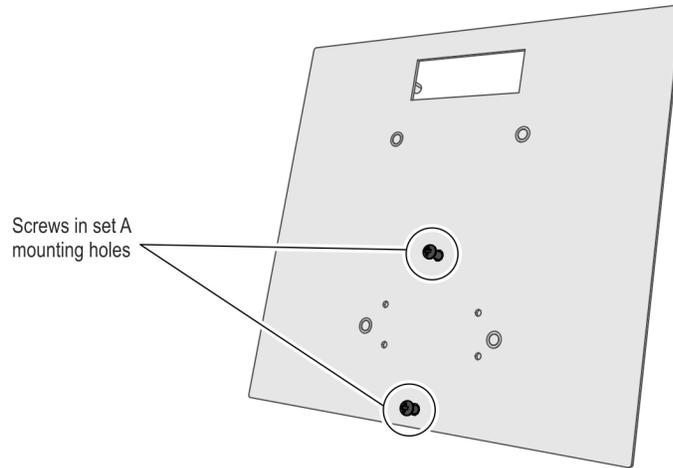
CCP-63003

3. Remove the two nuts to remove the PIN pad cable cover from the mounting bracket.



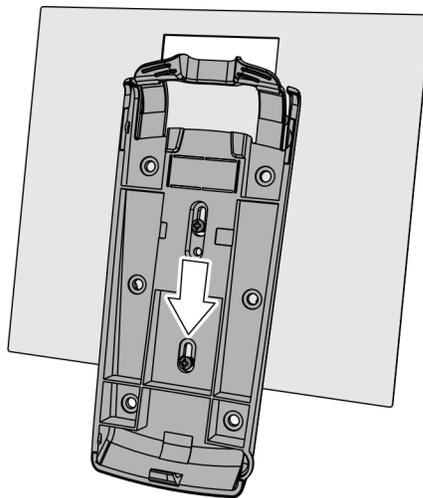
CCP-63004

4. Loosen the two screws on the set A holes of the mounting bracket just enough to insert and slide down the PIN pad cradle.



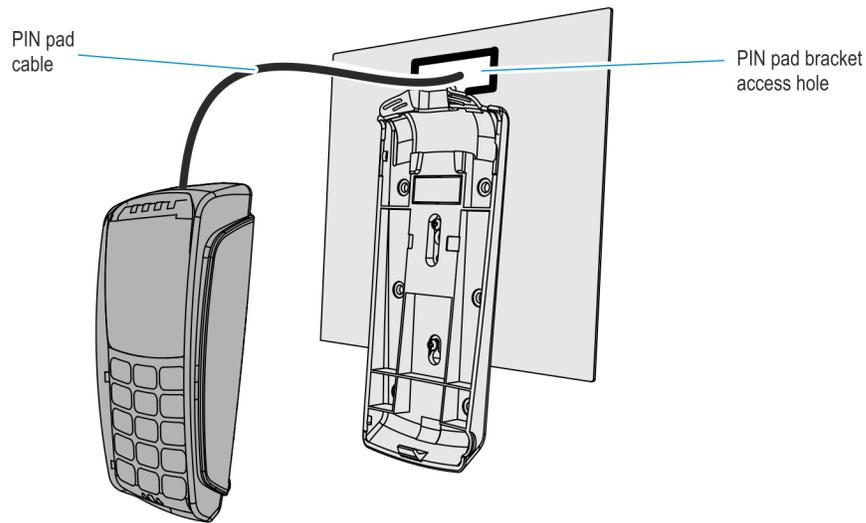
CCP-63005

5. Insert the PIN pad cradle keyholes through the mounting screws on the mounting bracket, slide down the cradle and tighten the screws.



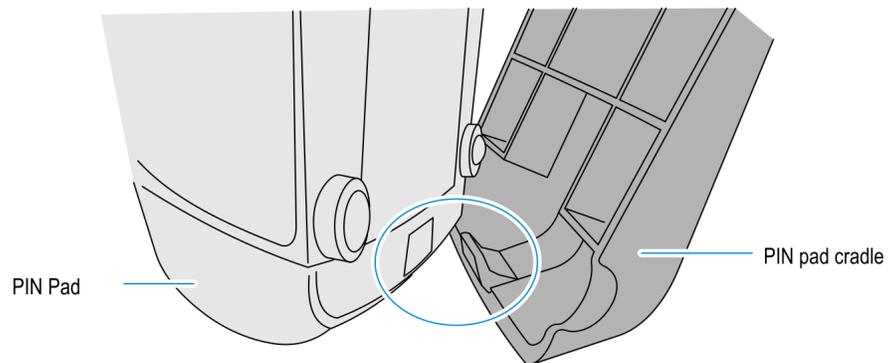
CCP-63006

6. Connect the PIN pad cable to the Ingenico PIN pad and route the cable through the access hole on the mounting bracket.



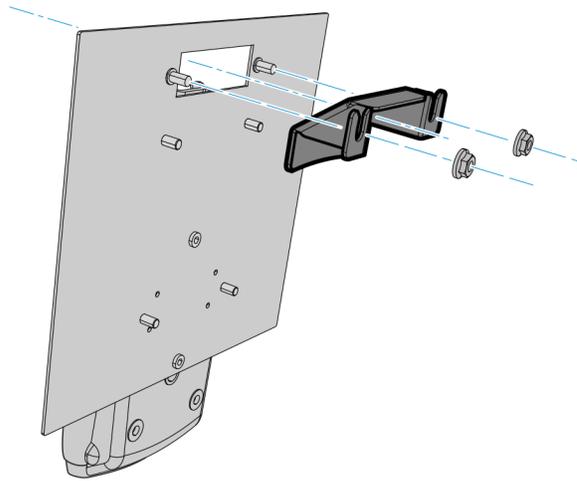
CCP-63007

7. Mount the PIN Pad on the PIN Pad cradle. Insert the slot on the lower rear side of the PIN pad through the small tab on the lower part of the PIN pad cradle and push the upper part of the PIN pad until it snaps and secured to the cradle.



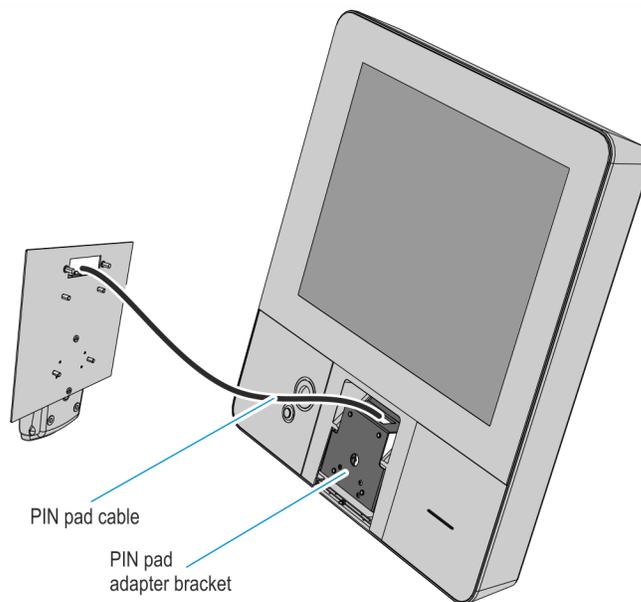
CCP-60071

- From behind the mounting bracket, insert the cable cover through the access hole and secure with two nuts.



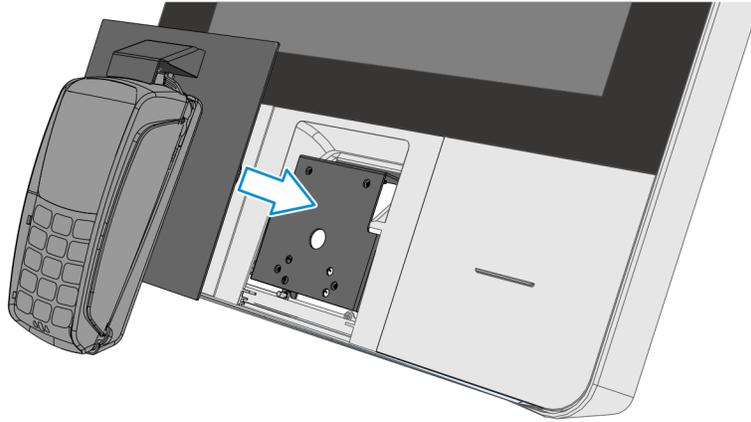
CCP-63008

- Route the USB connector of the PIN pad cable through the adapter bracket access hole on the fascia.



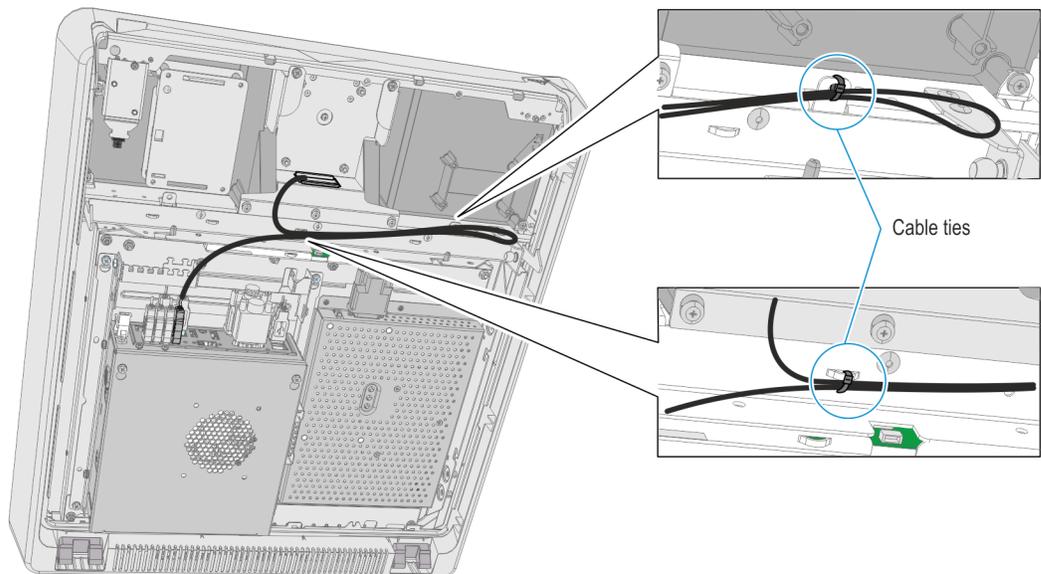
CCP-63009

10. Mount the mounting bracket and PIN pad assembly on the fascia and secure it on the rear side with four nuts.



CCP-63010

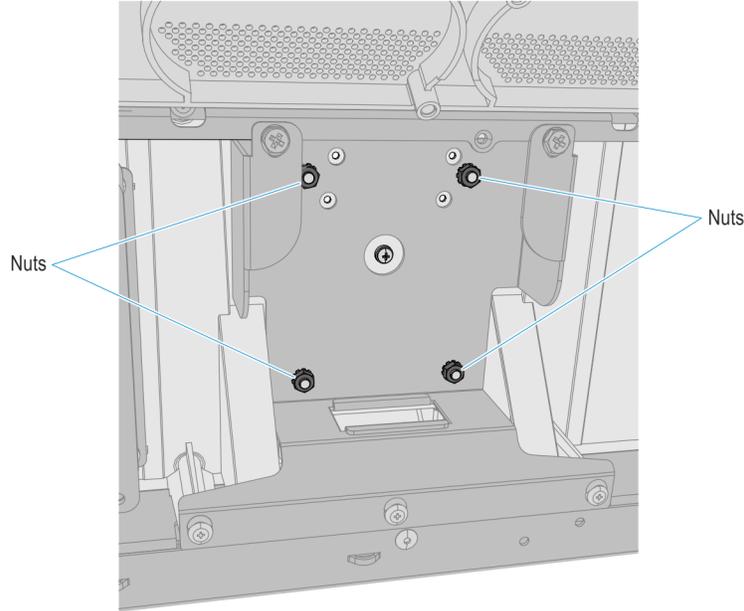
11. Route the PIN pad cable towards the motherboard as shown below and connect the USB connector of the PIN pad cable to the **USB 1** port of the motherboard. Secure the cable with cable ties as shown below.



CCP-63011

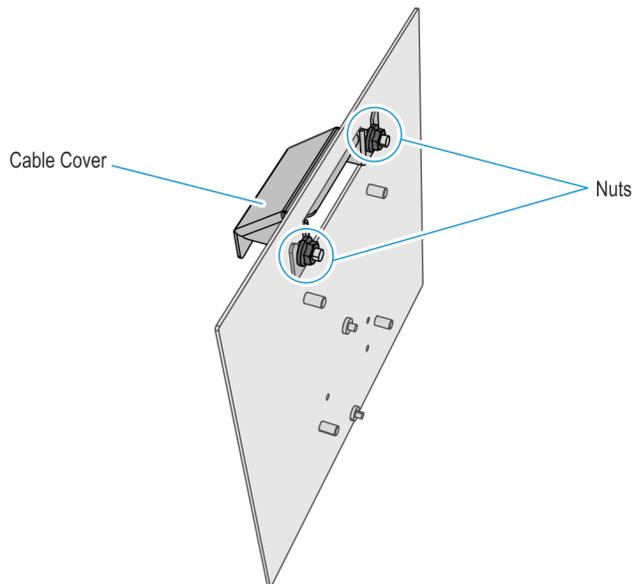
Installing the Verifone VX 805/VX 820 PIN Pad

1. Unlock and open the fascia.
2. Remove four nuts to remove the pin pad mounting bracket from the fascia.



CCP-63003

3. Remove the two nuts to remove the PIN pad cable cover from the mounting bracket.

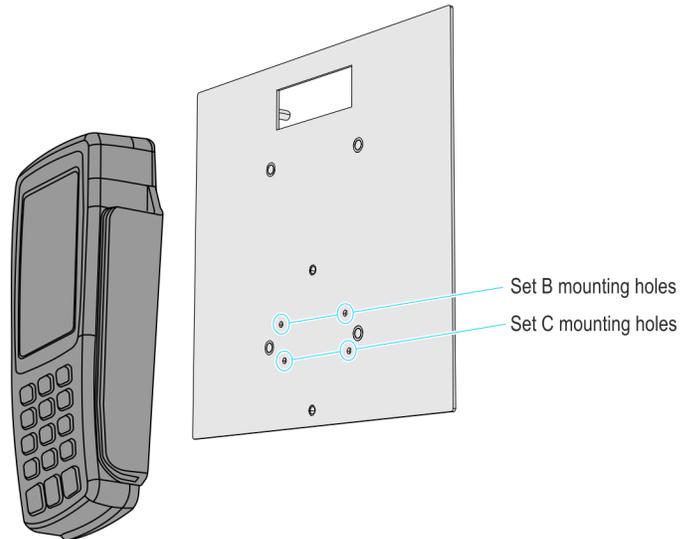


CCP-63004

4. Connect the PIN Pad cable to the PIN pad and route the other end of the cable through the access hole on the mounting bracket.

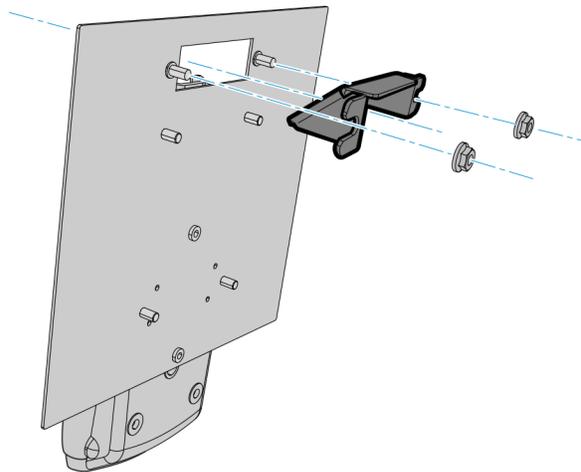
5. Position and secure the PIN pad on the mounting bracket using two screws in the appropriate mounting holes.

- Use Set B mounting holes for Verifone VX 805
- Use Set C mounting holes for Verifone VX 820



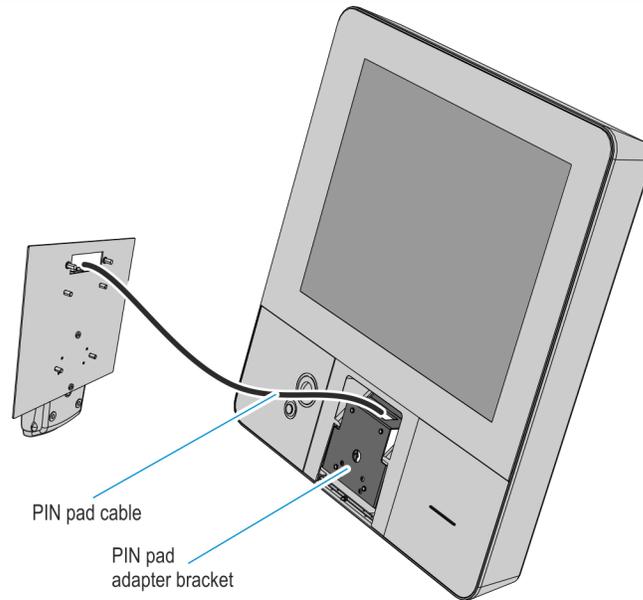
CCP-63013

6. From behind the bracket, insert the pin pad cable cover and secure it to the bracket with two nuts.



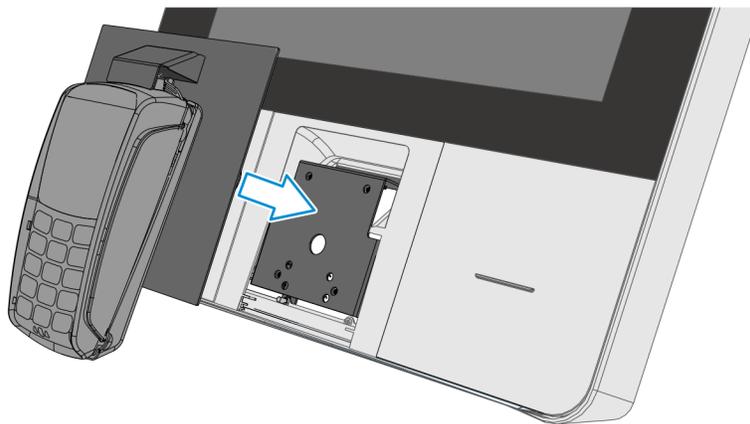
CCP-63012

7. Route the USB connector of the PIN pad cable through the adapter bracket access hole on the fascia.



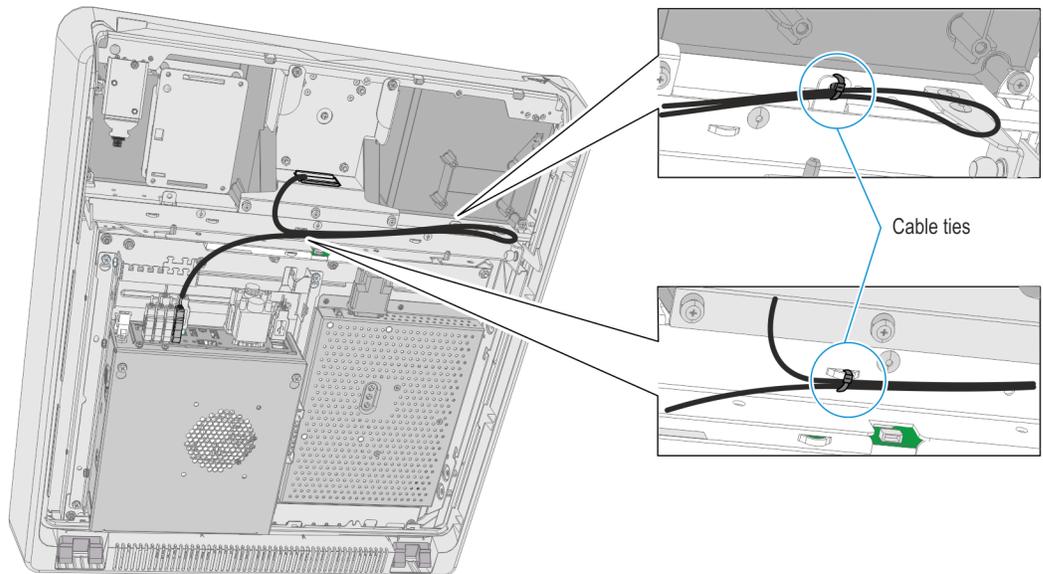
CCP-63009

8. Mount the mounting bracket and PIN pad assembly on the fascia and secure it on the rear side with four nuts.



CCP-63010

9. Route and connect the USB connector of the PIN pad cable to the **USB 1** Port of the motherboard. Secure the cable with cable ties as shown below.

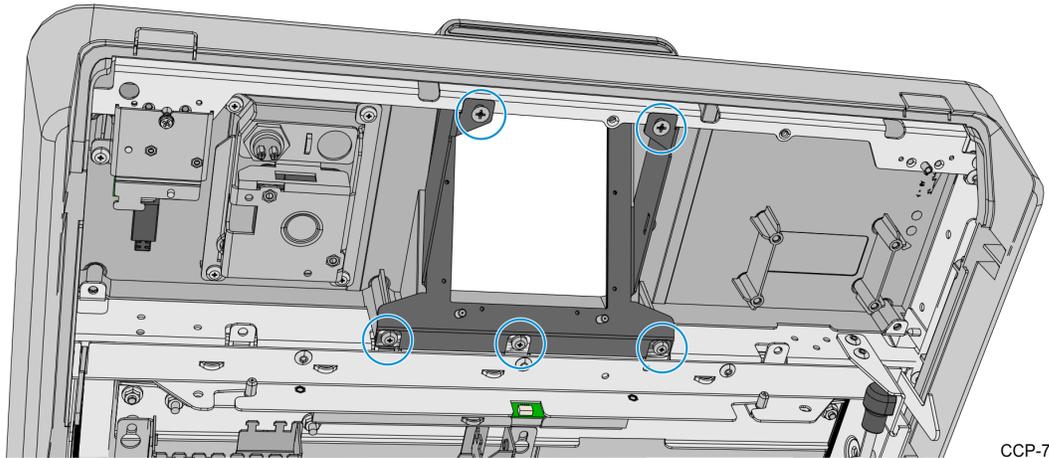


CCP-63011

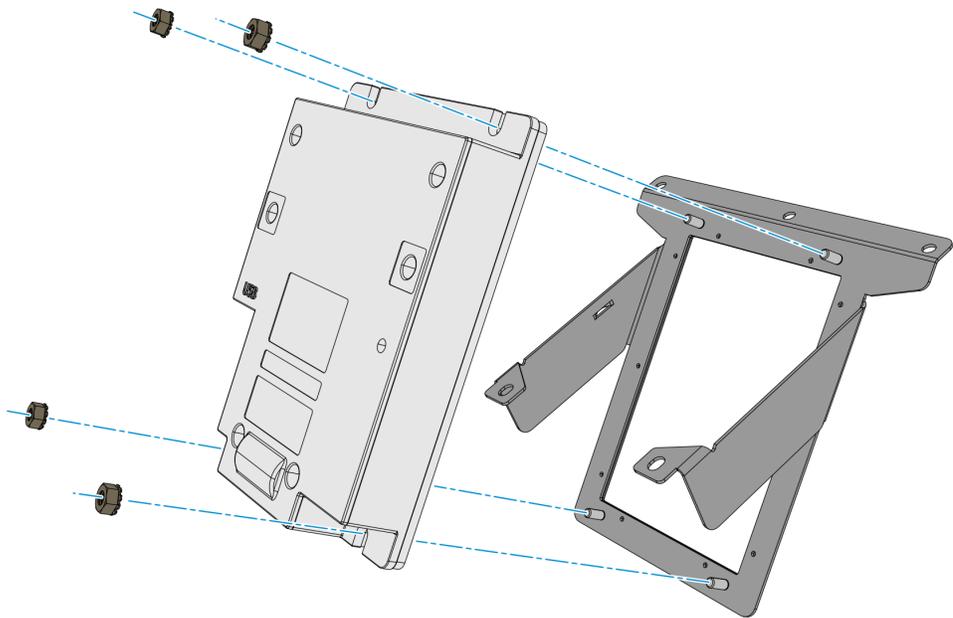
Installing the Verifone UX100 PIN Pad with UX300 MSR

UX100 PIN Pad

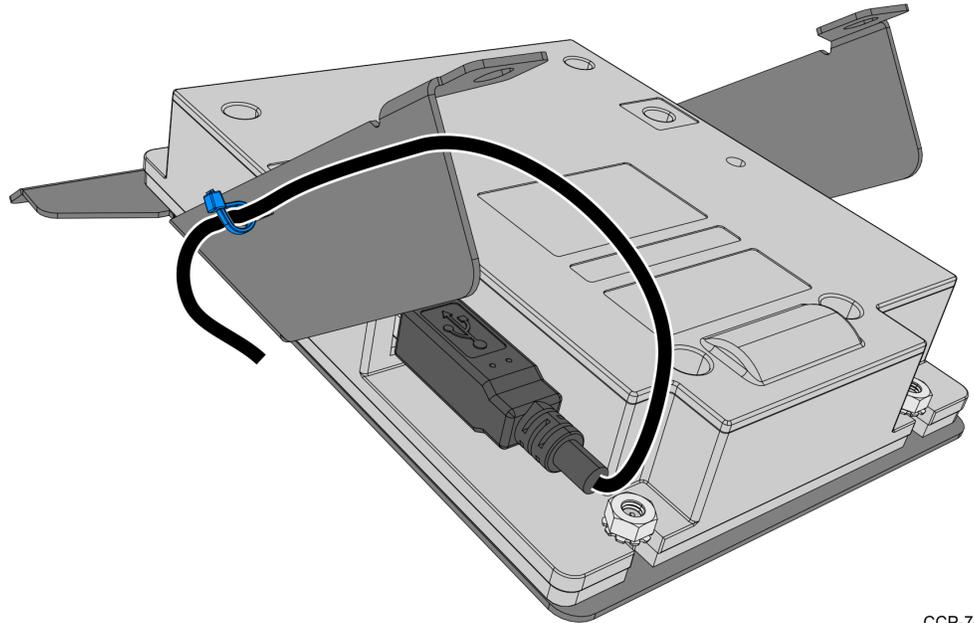
1. Unlock and open the fascia.
2. Remove the five screws securing the UX100 7705 Bracket from the Fascia.



3. Mount the UX100 PIN Pad on the UX100 7705 Bracket and secure with four nuts.

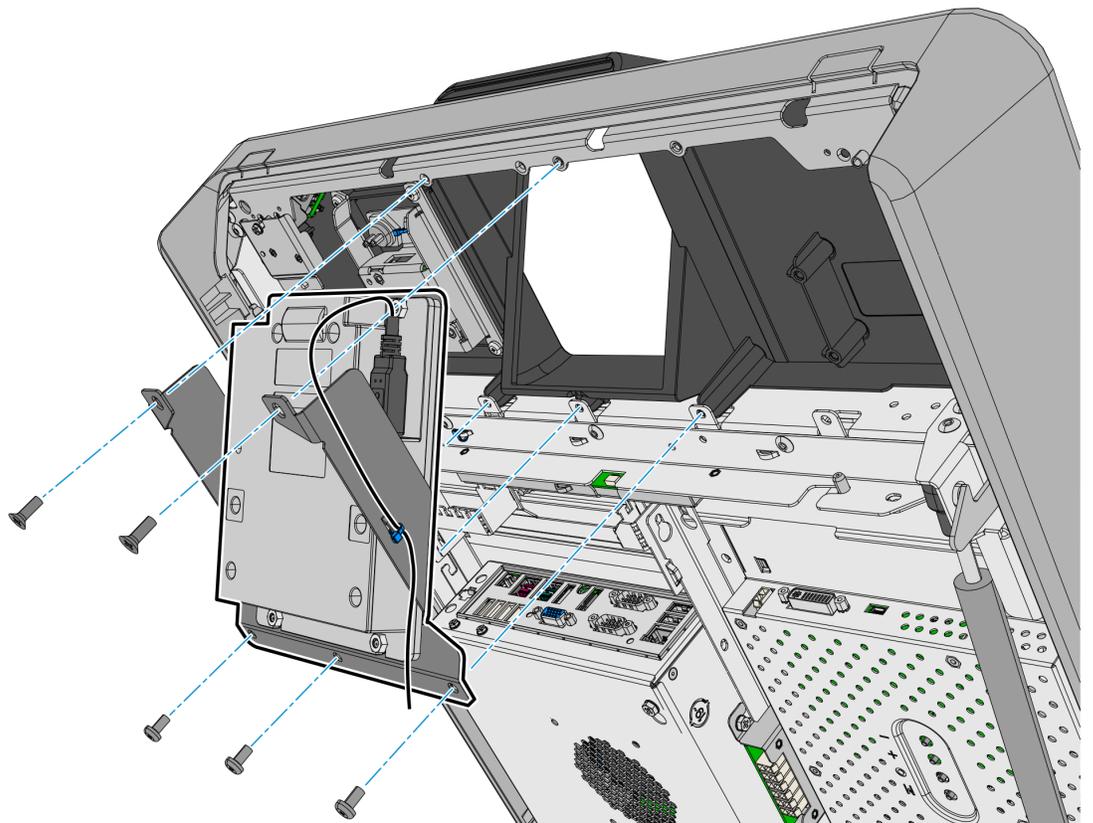


4. Connect the MSR to PIN Pad USB cable to the UX100 PIN Pad. Route the cable over the bracket arm and secure with a cable tie.



CCP-70850

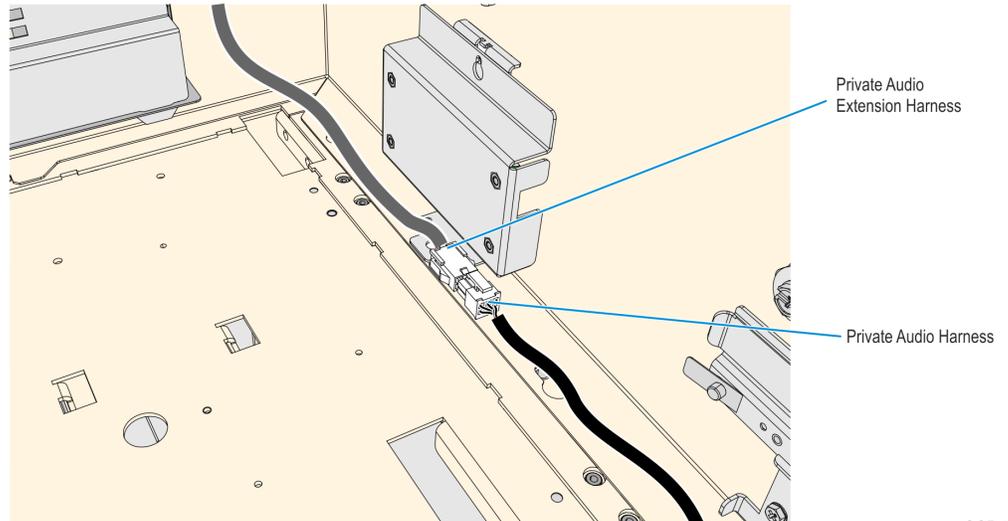
5. Mount the PIN Pad and Bracket assembly on the Fascia Trim Panel and secure with five screws.



CCP-70851

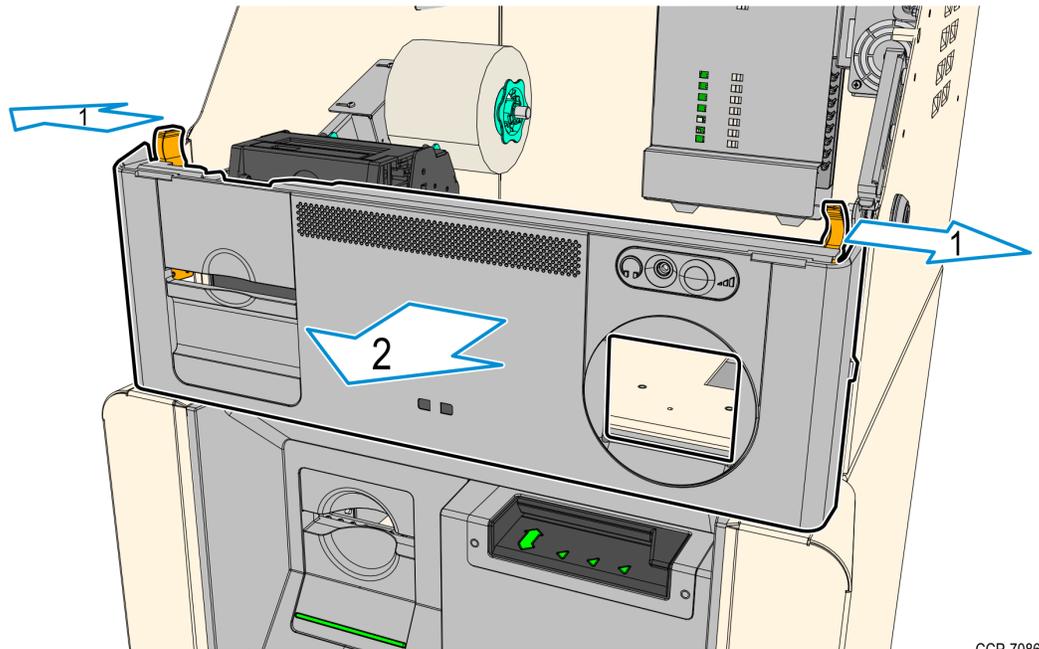
UX300 MSR

1. Remove the Front Panel from the Top Box.
 - a. Inside the Top Box, disconnect the Private Audio Cable from the Private Audio Extension Cable.



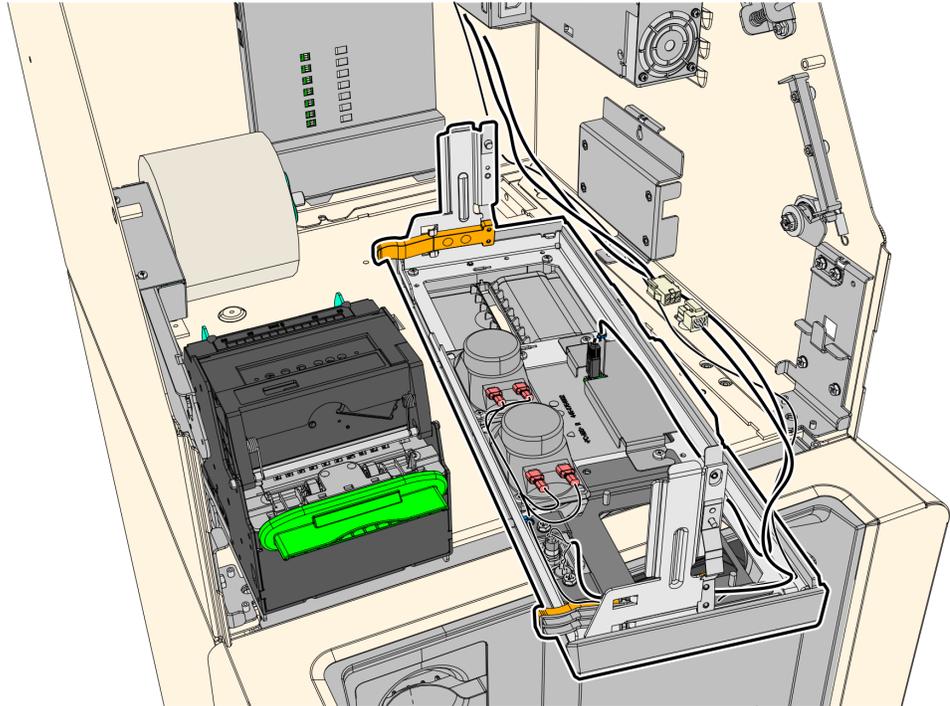
CCP-70869

- b. Slide out the Front Panel from the Top Box. Push the two orange latches outwards and pull the Front Panel towards you until it is out from the Top Box.



CCP-70862

- c. Carefully place the Front Panel assembly face down on the Top Box. Note that the Speaker Harness and Proximity Detector USB Cable are still secured to the Front Panel.

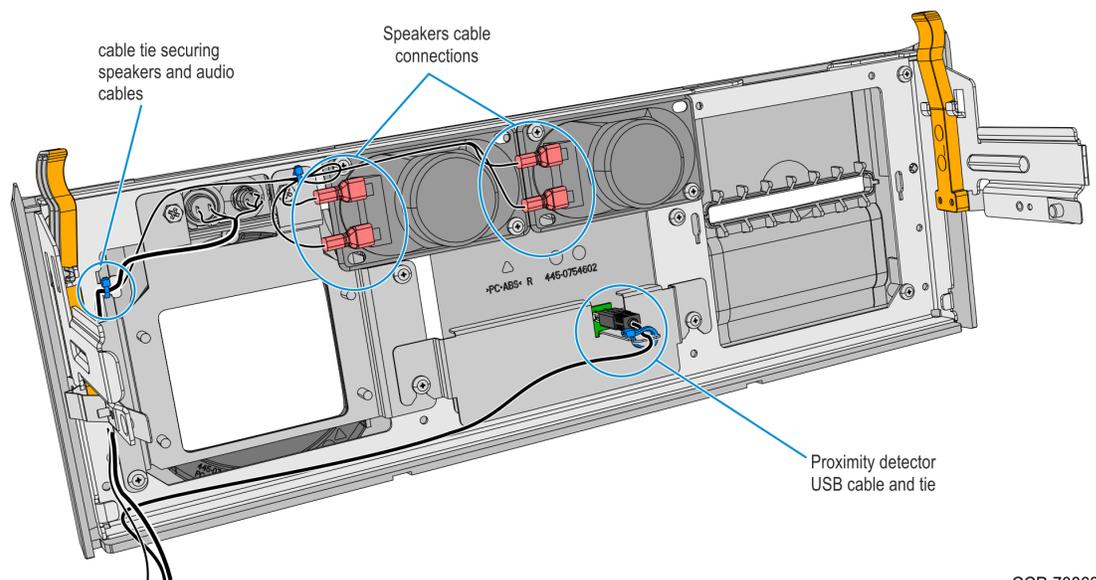


CCP-70868

2. Take note of the routing and disconnect the Speaker Harness and Proximity Detector USB Cable, cut off the cable ties securing them to the panel.

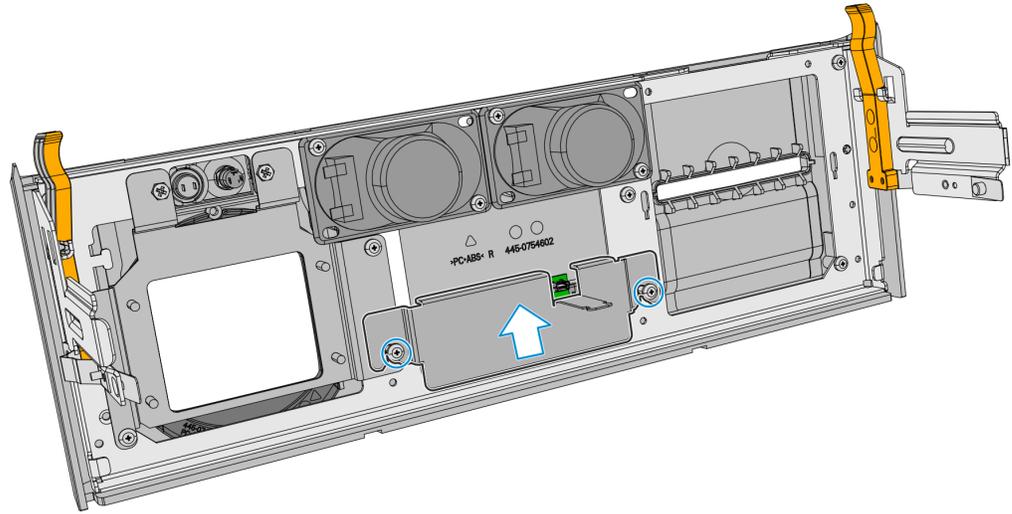


Note: Keep the cables safe and secured in the Top Box while working on the Front Panel.



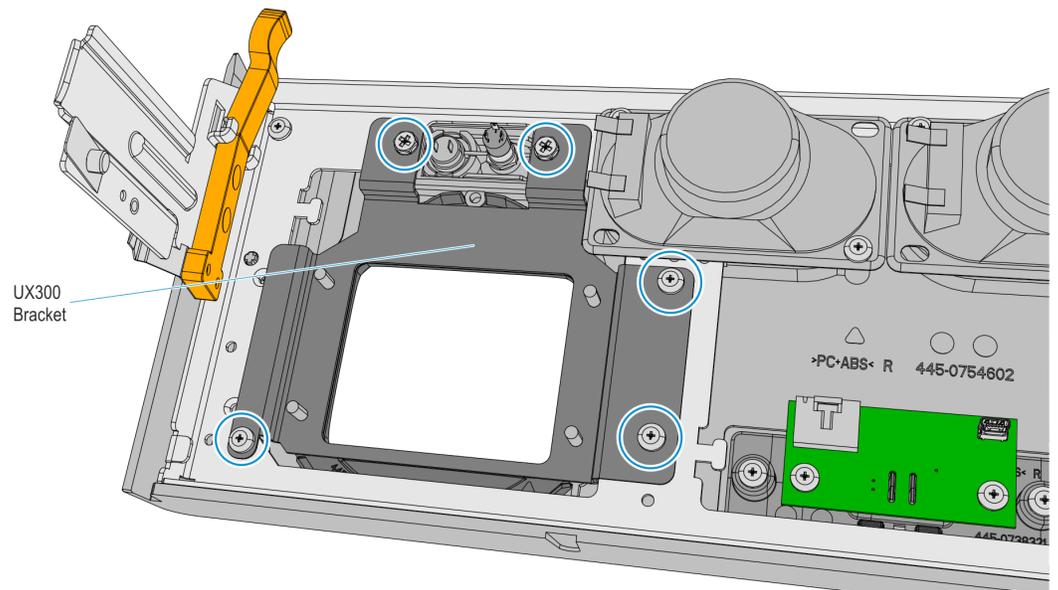
CCP-70863

3. Loosen the two screws securing the Proximity Detector Cover then remove the cover from the Front Panel.



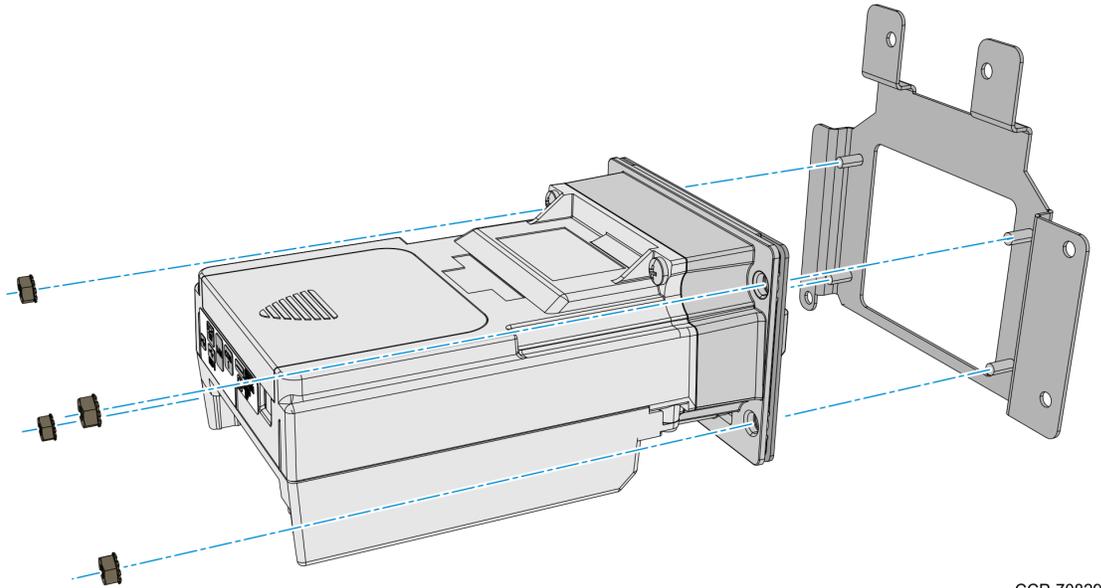
CCP-70864

4. Remove the five screws securing the UX300 Bracket to the Front Panel.



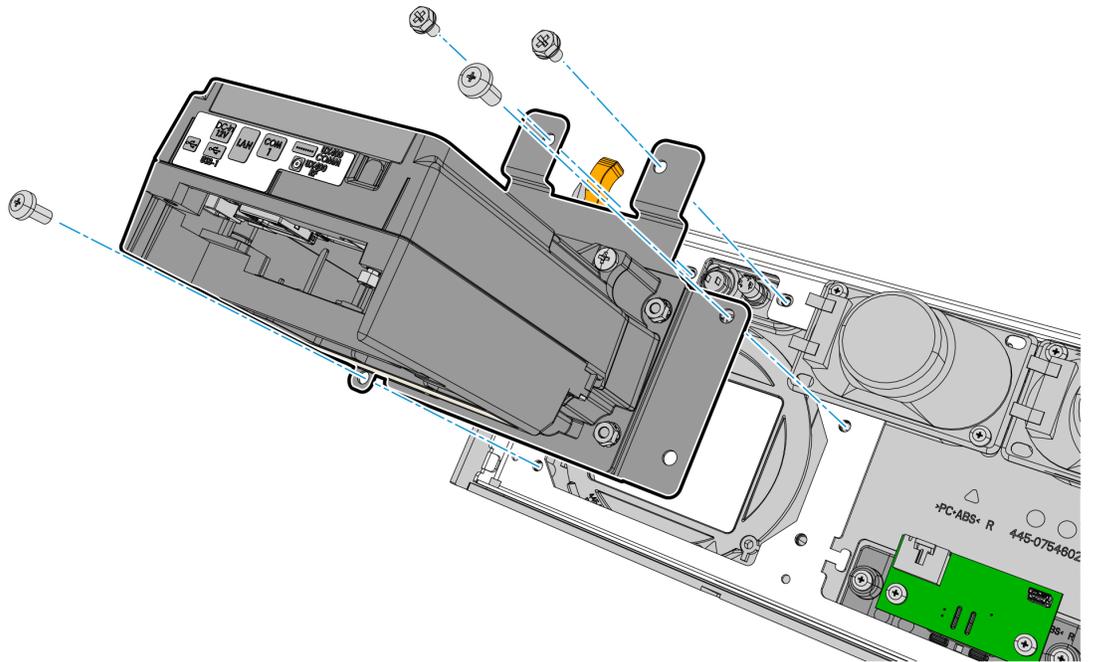
CCP-70865

5. Mount and secure the Verifone UX300 MSR to the Bracket with four nuts.



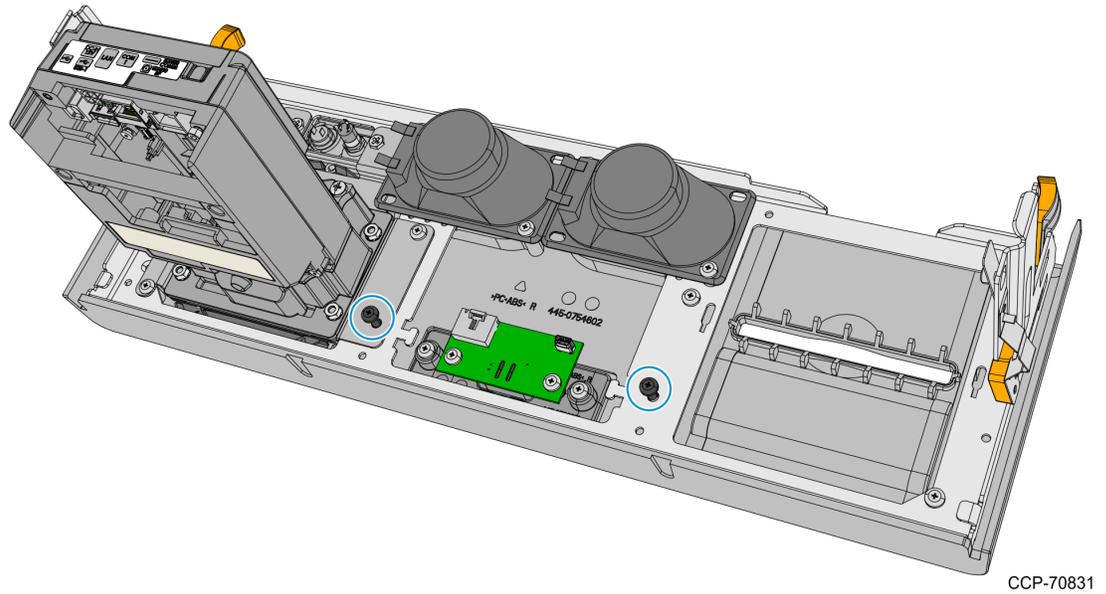
CCP-70829

6. Mount and secure the UX300 MSR and Bracket assembly to the Front Panel with four screws.

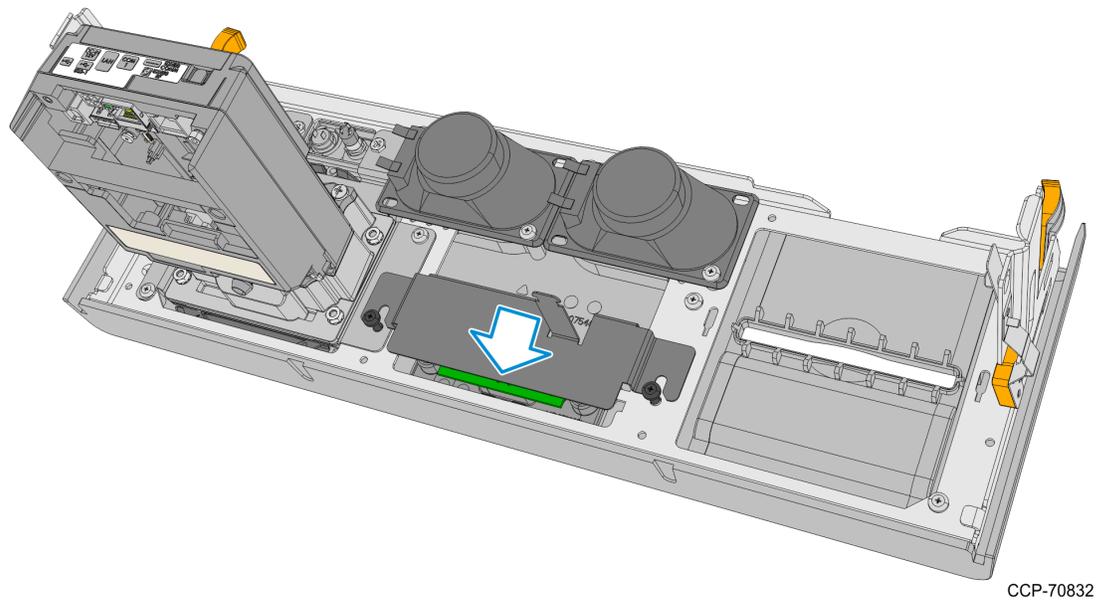


CCP-70830

7. Mount and partially tighten two screws for the Proximity Detector Cover.

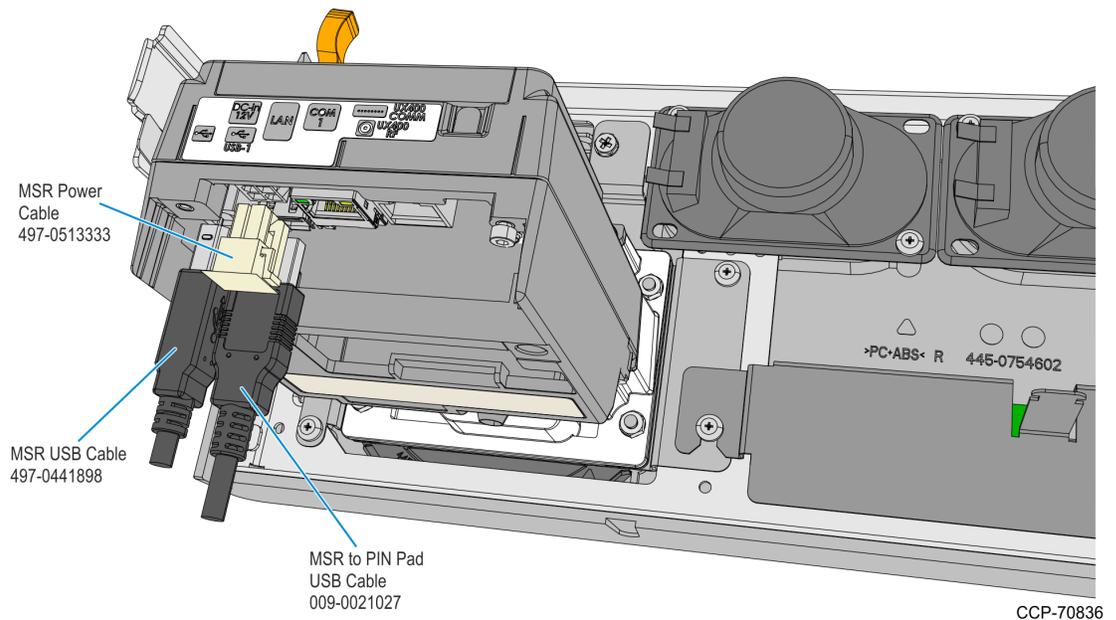


8. Insert and slide the Proximity Detector Cover under the partially tightened screws, then fully tighten the two screws.



9. Connect the following cables in the Top Box to the UX300 MSR:

- 12V Regulator Board to MSR Power Cable
- MSR to PIN Pad USB Cable
- MSR USB Cable

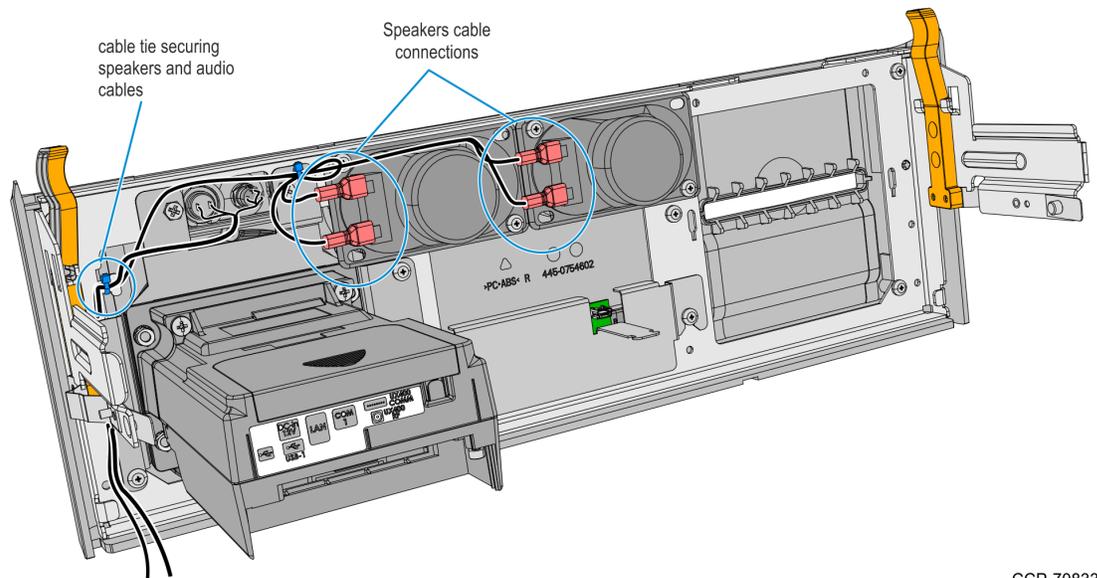


10. Connect the Speaker Cables to the Speakers.



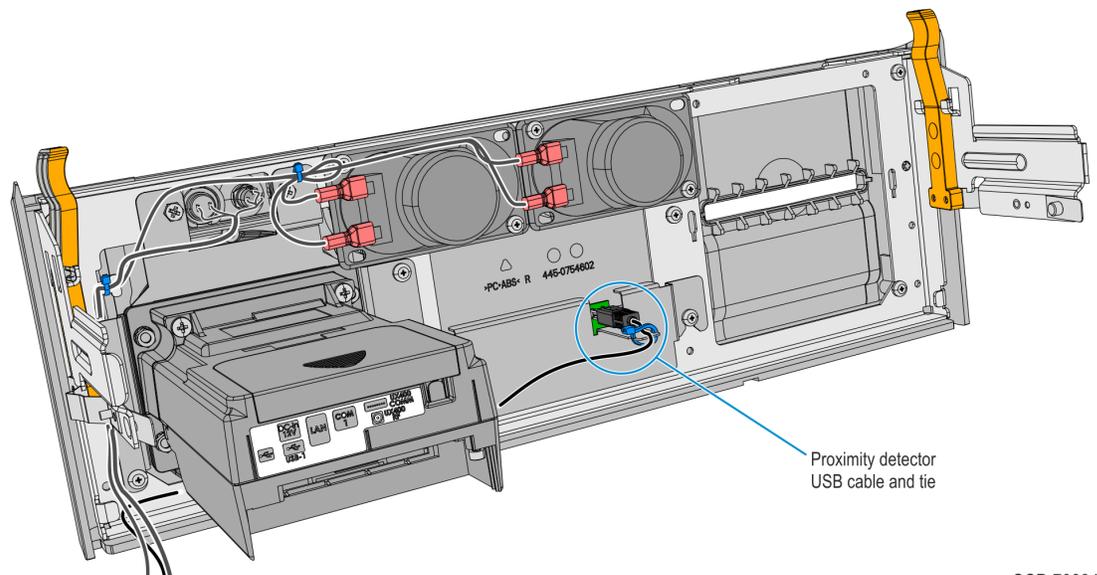
Note: Make sure that the correct cable wire is connected to the appropriate speaker connection terminal.

- Connect "-" cable wire to "-" speaker terminal
- Connect "+" cable wire to "+" speaker terminal



CCP-70833

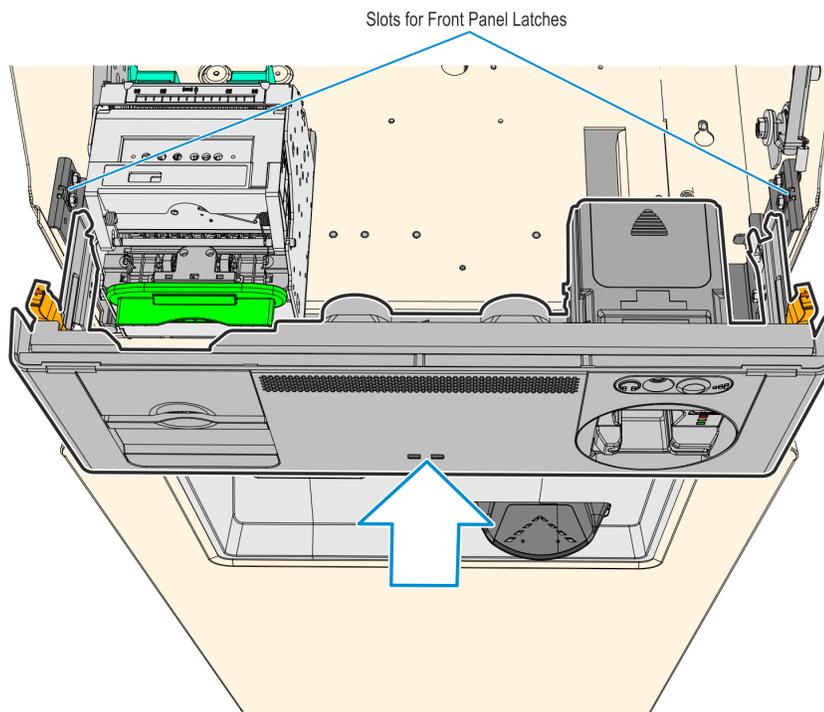
11. Route the Speaker Cables to the left-hand side of the Front Panel and secure them with the Private Audio Cable with a cable tie.
12. Connect the Proximity Detector USB Cable to the Proximity Detector Board and secure the cable to the cover with a cable tie.



CCP-70834

13. Route the Proximity Detector USB Cable under the MSR towards the left-hand side of the Front Panel.

- Align the Front Panel latches to the slots in the Top-Box, then push the Front Panel into the Top Box.



Installing the Verifone UX100 PIN Pad with UX300 MSR and UX400 NFC Reader

The following components that are used to install the Verifone UX100 PIN Pad, UX300 MSR, and UX400 NFC Reader are placed in a bag inside the upper cabinet of the kiosk:

- UX100 7705 Bracket
- Five screws to mount UX100 PIN Pad to bracket (two flat heads and three plastite)
- **1m** UX100 USB Cable
- 14 M4 Keps Nuts:
 - 4 nuts for UX100 PIN Pad
 - 4 nuts for UX400 NFC Reader
 - 6 nuts (4 nuts for mounting and 2 as extras) for the UX300 MSR
- Cable Ties

The following components are not shipped with the kiosk and are customer supplied:

- UX100 PIN Pad with Ground Cable
- UX300 MSR
- UX400 NFR Reader with Antenna and Comms Cables

NCR recommends to use a Long Thin Wall 7mm Nut Driver with torque limiter to facilitate the installation of Verifone devices on the kiosk.

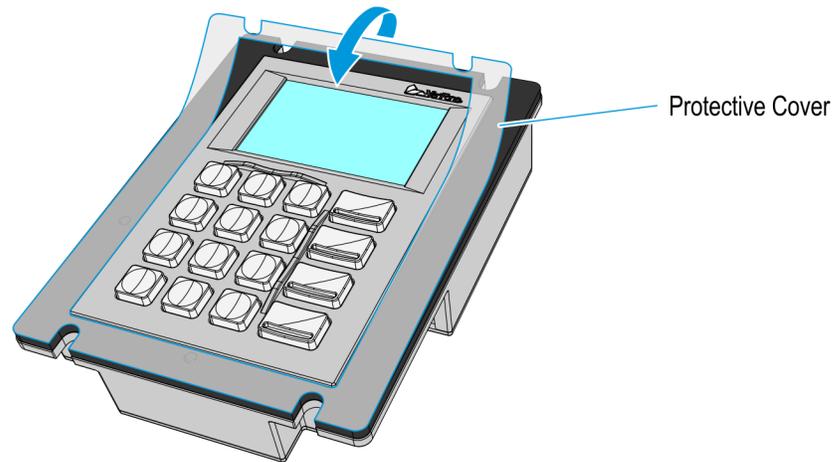
To install the Verifone devices, refer to the following sections:

- [UX100 PIN Pad](#) on the facing page
- [UX300 MSR](#) on page 48
- [UX400 NFC Reader](#) on page 51

For cable connection of the Verifone devices to the kiosk, see [Verifone UX100 PIN with UX300 MSR and UX400 NFC Reader Interconnection Diagram](#) on page 57.

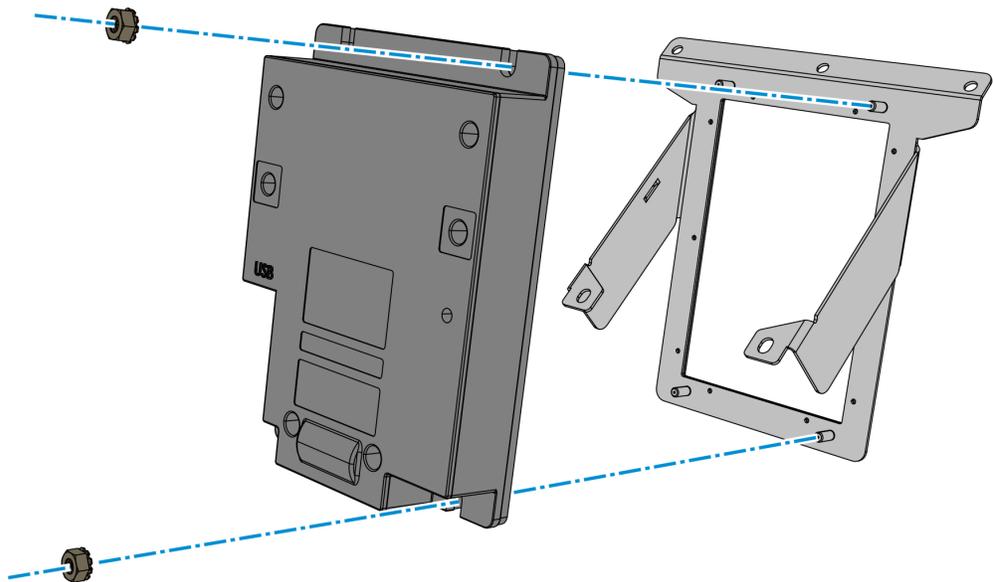
UX100 PIN Pad

1. Remove the protective cover over the black weather seal of the UX100 PIN Pad.



CCP-75660

2. Mount and secure the UX100 PIN Pad to the fascia panel bracket using two M4 keps nuts. Tighten the nuts up to 7.0 kg-F using a #7mm nut driver torque limiter.

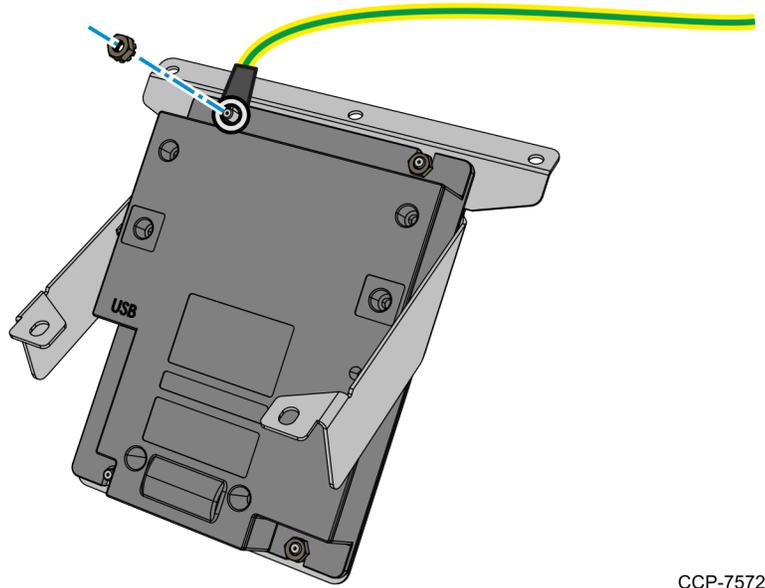


CCP-74647

3. Secure the UX100 Ground cable to the PIN Pad at the upper-left hand corner of the assembly using one M4 keps nut.

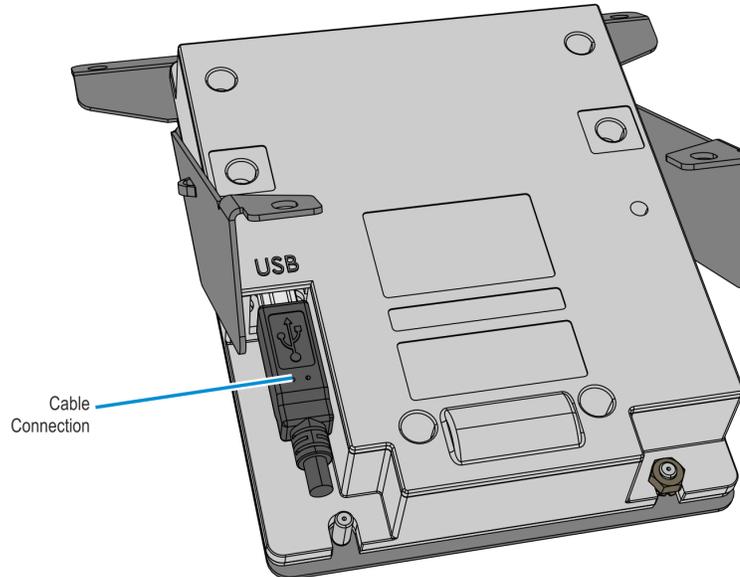


Note: The Ground cable is not included with the kiosk, it comes with the UX100 PIN Pad. Use the shortest yellow ground cable included with the PIN Pad.



CCP-75728

4. Locate the **1m** UX100 USB cable placed in a bag inside the upper cabinet of the kiosk. This cable is used to connect the UX100 PIN Pad to the UX300 MSR.
5. Connect the UX100 USB cable to the UX100 PIN Pad.

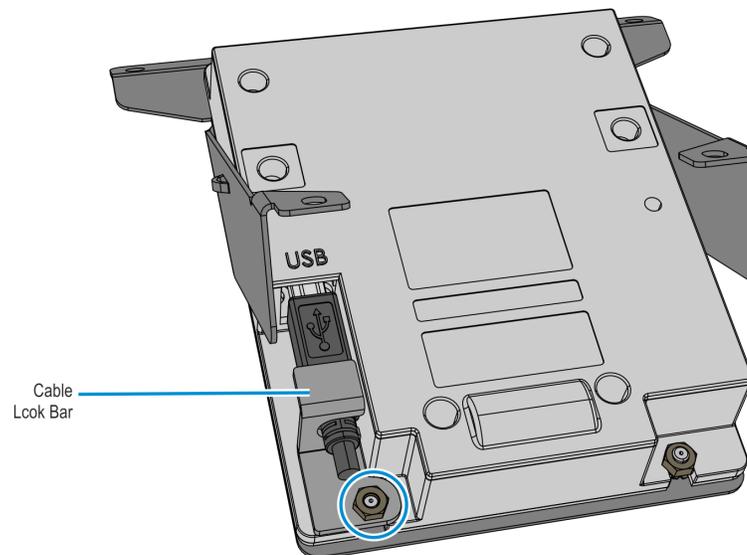


CCP-74648

6. Secure the cable to the PIN Pad using the Cable Lock Bar and a M4 kep nut. Tighten the nut up to 7.0 kg-F using a #7mm nut driver torque limiter.



Note: The Cable Lock Bar shown is not included with the kiosk. It may come with the UX100 PIN Pad and if it does, utilize it as shown.



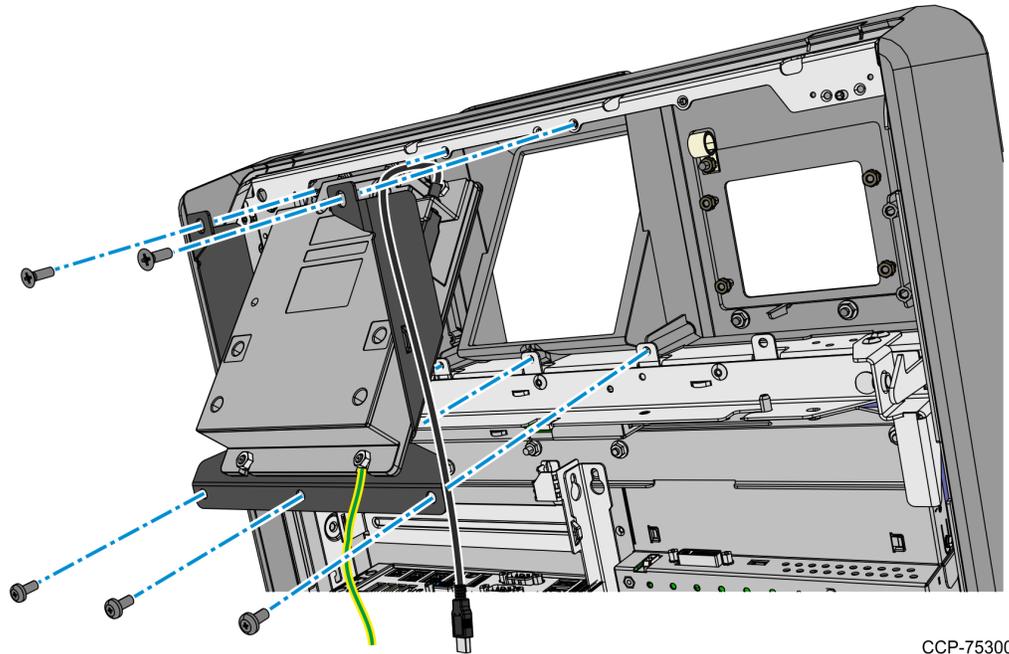
CCP-74649

7. Route the USB cable along the right-hand side of the bracket and then mount and secure the PIN Pad assembly to the kiosk Fascia Panel using five screws.

- Use two M4x12 flat head screws to secure the assembly to the upper frame
- Use three M4.2x8 Plastite screws to secure the assembly to the lower frame

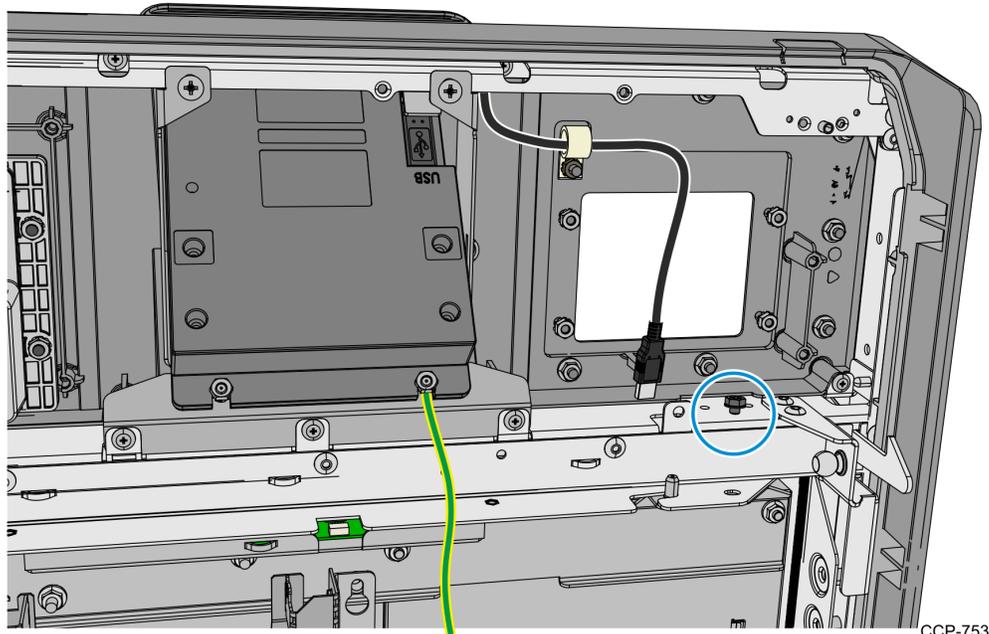


Caution: Do NOT over tighten the plastite screws to avoid stripping the threads of the plastic mounting holes.



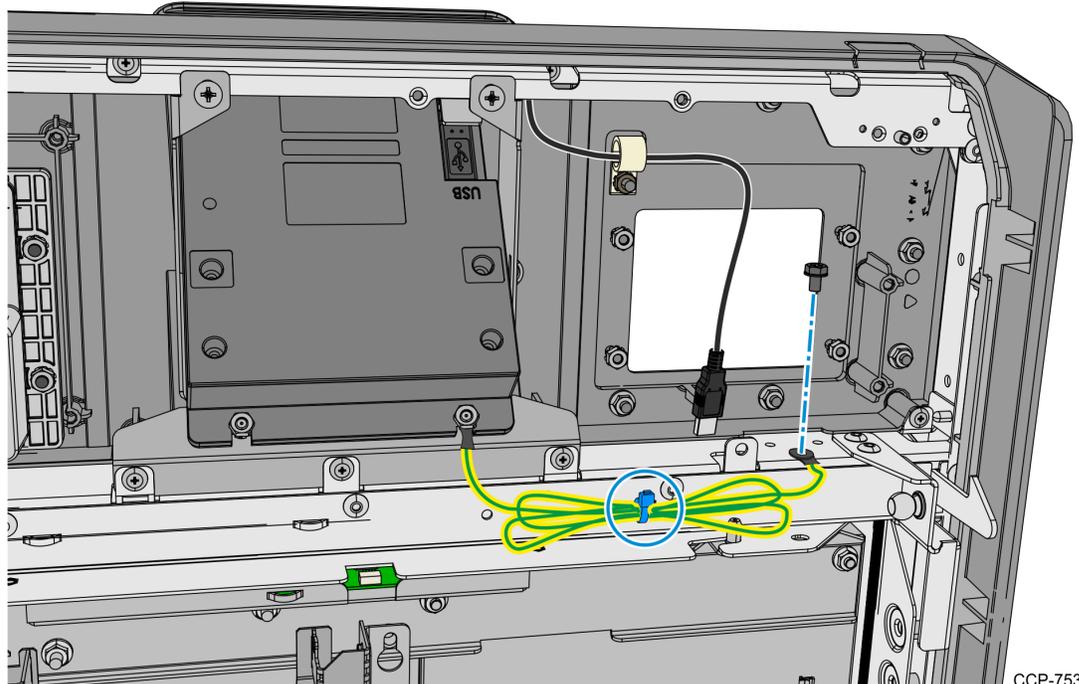
CCP-75300

8. On the right-hand side of the Fascia Frame, remove the screw for the UX100 Ground Harness.



CCP-75335

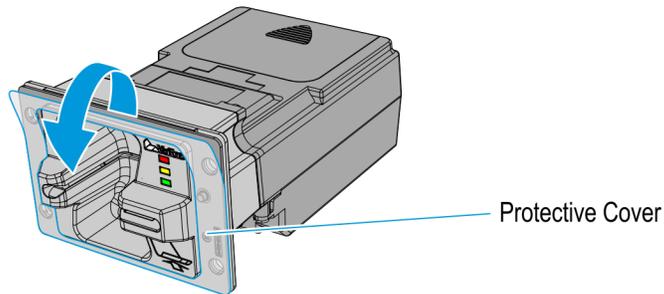
9. Secure the free end of the UX100 Ground cable to the Fascia Frame. Bundle the excess length of the cable and secure it to the bracket using a cable tie as shown below.



CCP-75301

UX300 MSR

1. Remove the protective cover over the black weather seal of the UX300 MSR.



CCP-75663

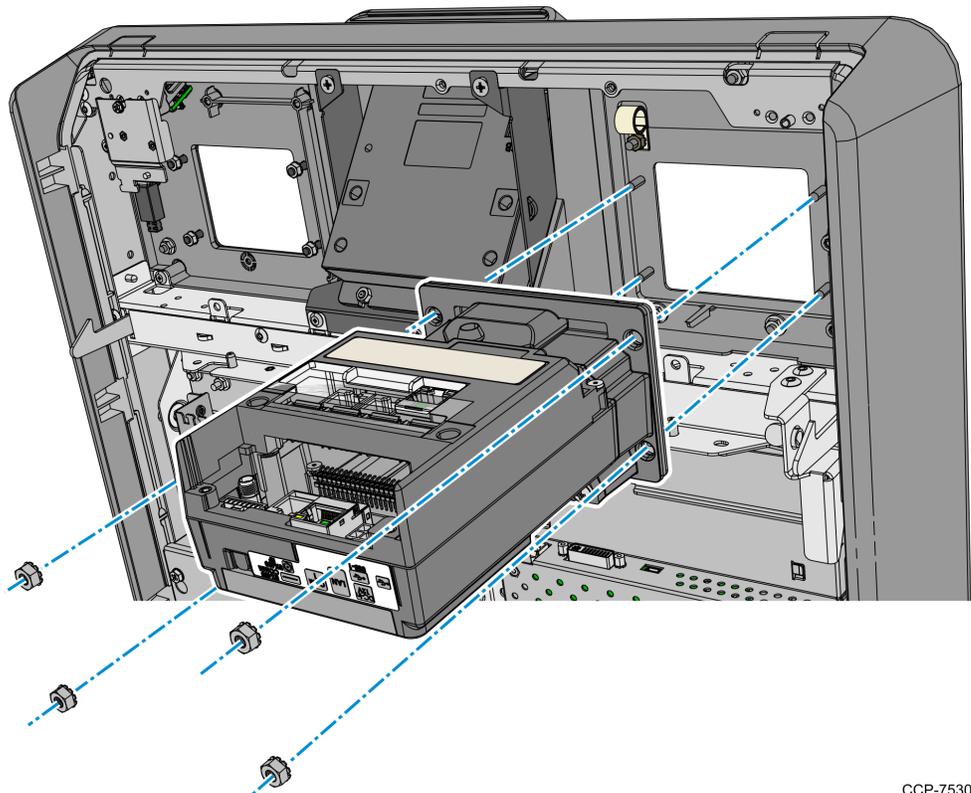
2. Mount the UX300 MSR to the Fascia Panel, and then carefully tighten the four M4 keps nuts to secure the UX300. Ensure that the keps nuts are evenly tightened.



Caution: Do NOT cross thread the nuts on their anchor posts. Use a Long Thin Wall Nut Driver to easily and properly secure the UX300 to the panel.

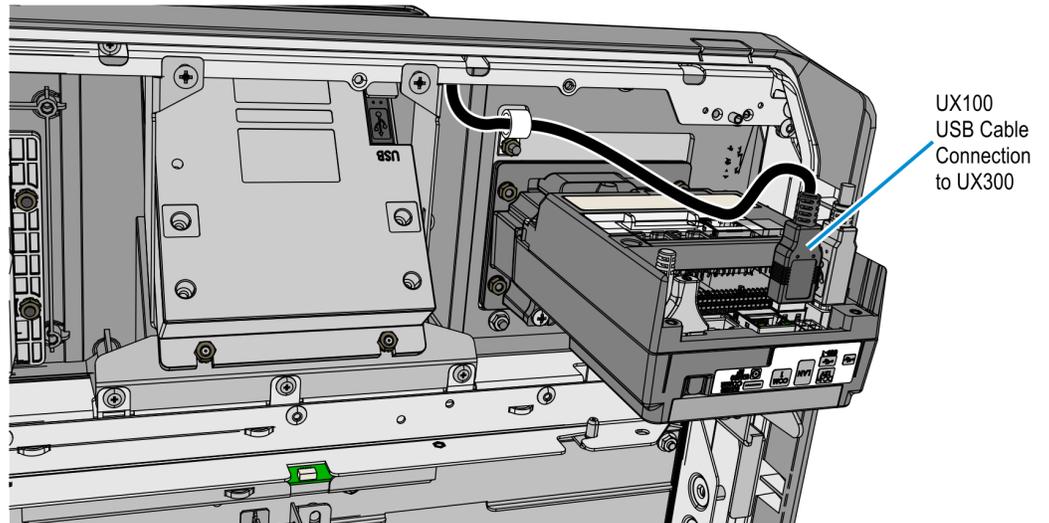


Note: The kiosk ships with six M4 keps nuts for the UX300 MSR, four for mounting and two as extras.



CCP-75303

3. Connect the UX100 USB Cable to the **USB-1** port of the UX300.

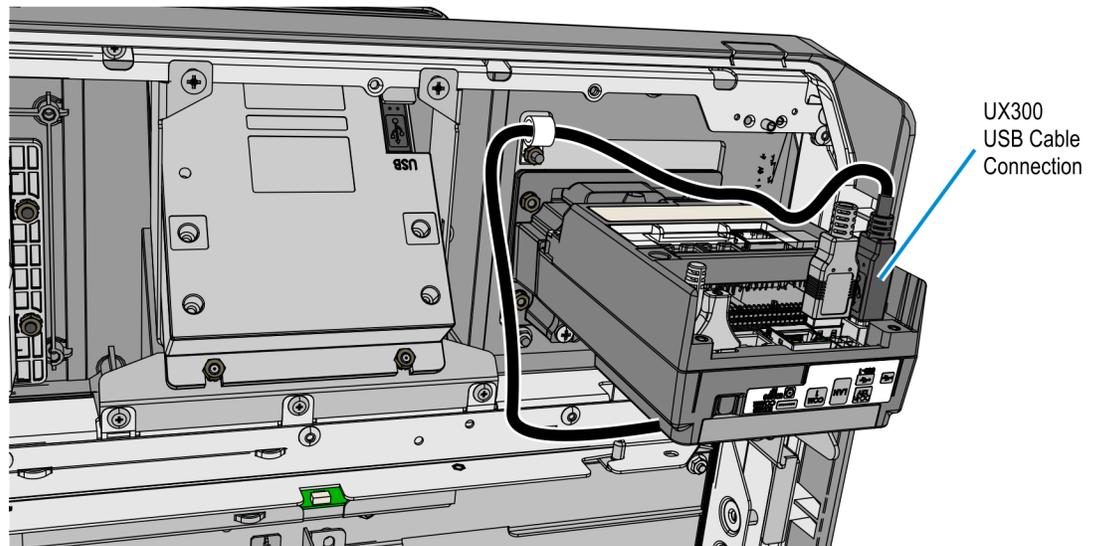


CCP-75305

4. Connect the UX300 USB Cable to the **USB B type** port of the UX300, and then secure the cable to the cable clamp in the Fascia Panel.



Note: The UX300 USB Cable is already installed in the kiosk. It hangs from its anchor point near the upper end of the Gas Spring Rod.

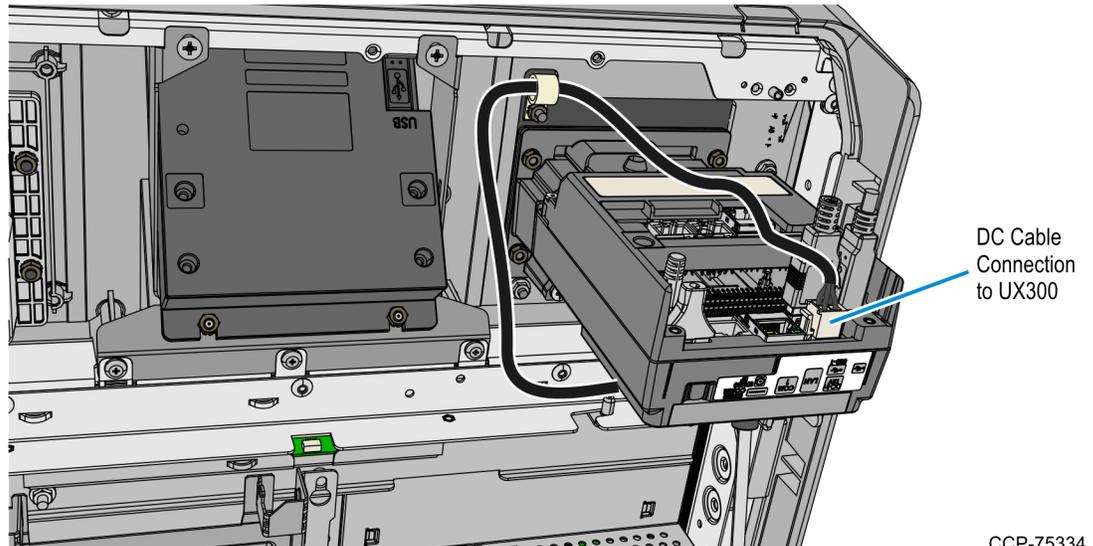


CCP-75304

5. Connect the UX300 DC Cable to the UX300 **12V DC IN** port, and then secure the cable to the cable clamp in the Fascia Panel.



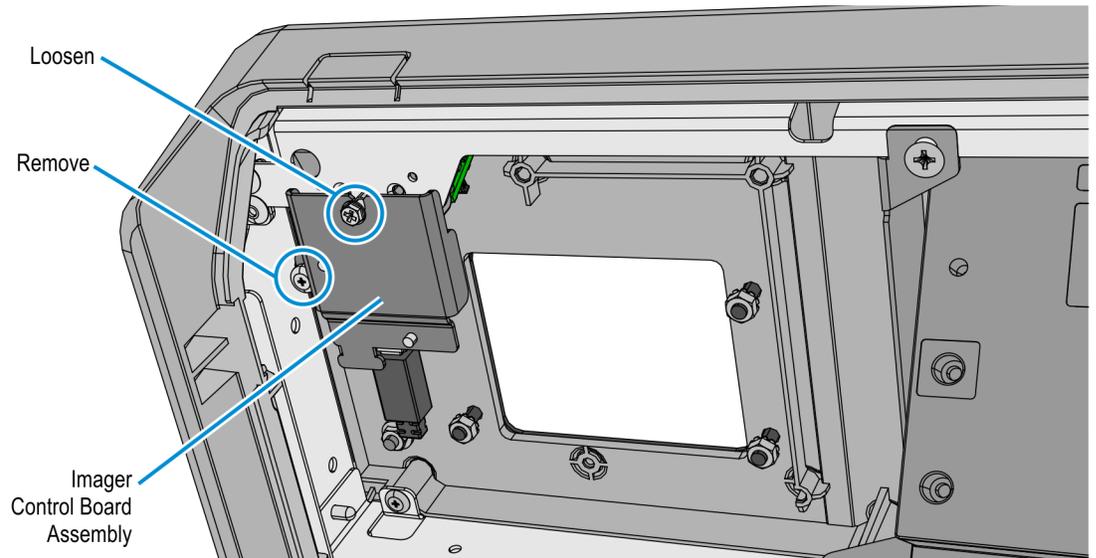
Note: The UX300 DC Cable is already installed in the kiosk. It hangs from its anchor point near the upper end of the Gas Spring Rod.



CCP-75334

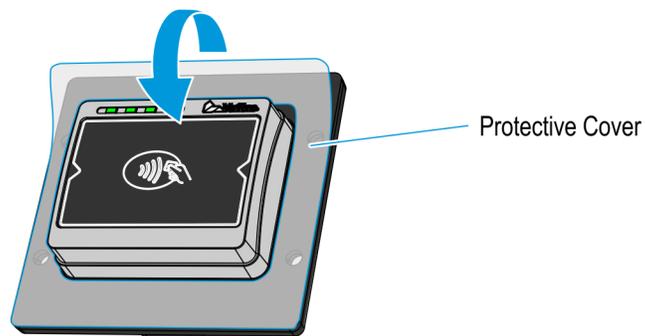
UX400 NFC Reader

1. Temporarily dismount the Imager Control Board assembly from the Fascia Bracket.
 - a. Loosen the top screw.
 - b. Remove the side screw securing the assembly to the Fascia.
 - c. Let the assembly hang loose and move it to the side as needed.



CCP-75306

2. Remove the protective cover over the black weather seal of the UX400 NFC Reader.

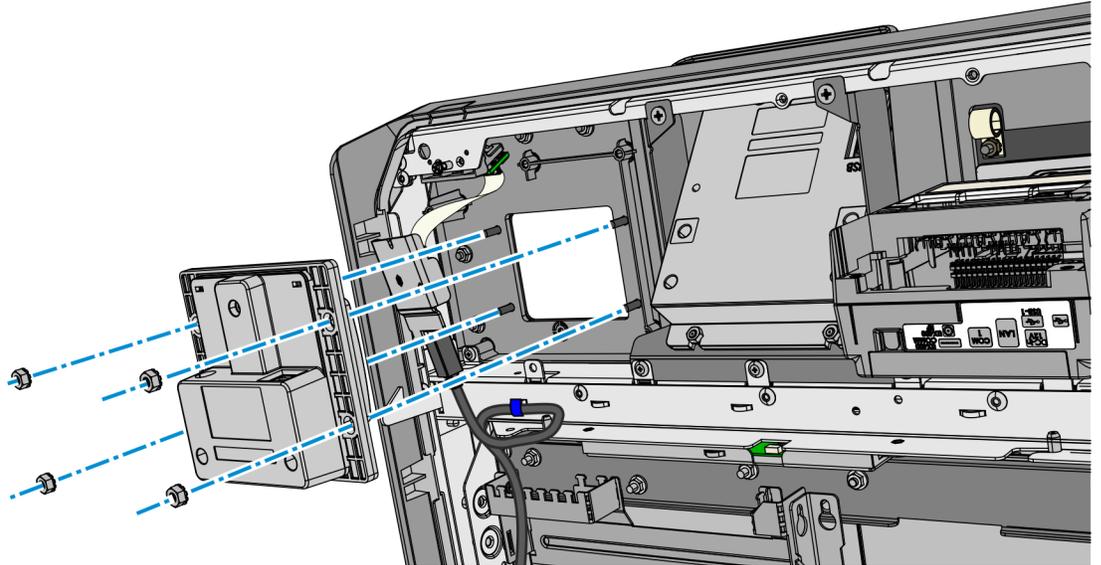


CCP-75661

3. Mount the UX400 to the Fascia Panel, and then carefully tighten the four M4 keps nuts to secure the UX400. Use a diagonal pattern in tightening the keps nuts to ensure that the exposed surface of the UX400 remains level.



Note: The hanging Imager Control Board assembly may be blocking the position of the UX400. Carefully move the Control Board assembly to the side while mounting the UX400.



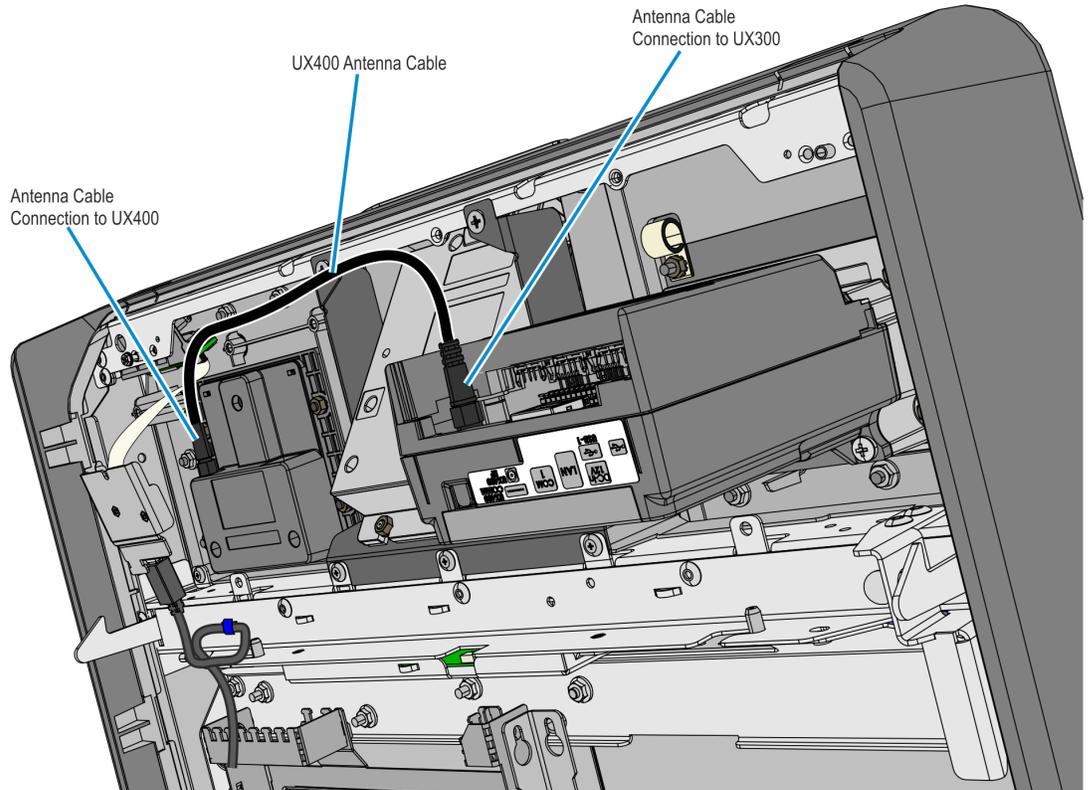
CCP-75307

4. Connect the UX400 Antenna cable.



Note: The Antenna cable is not included with the kiosk. It comes together with the UX400 NFC Reader.

- a. Connect one end of the cable to the UX400.
- b. Connect the other end of the cable to the **UX400 RF** port of the UX300 MSR.

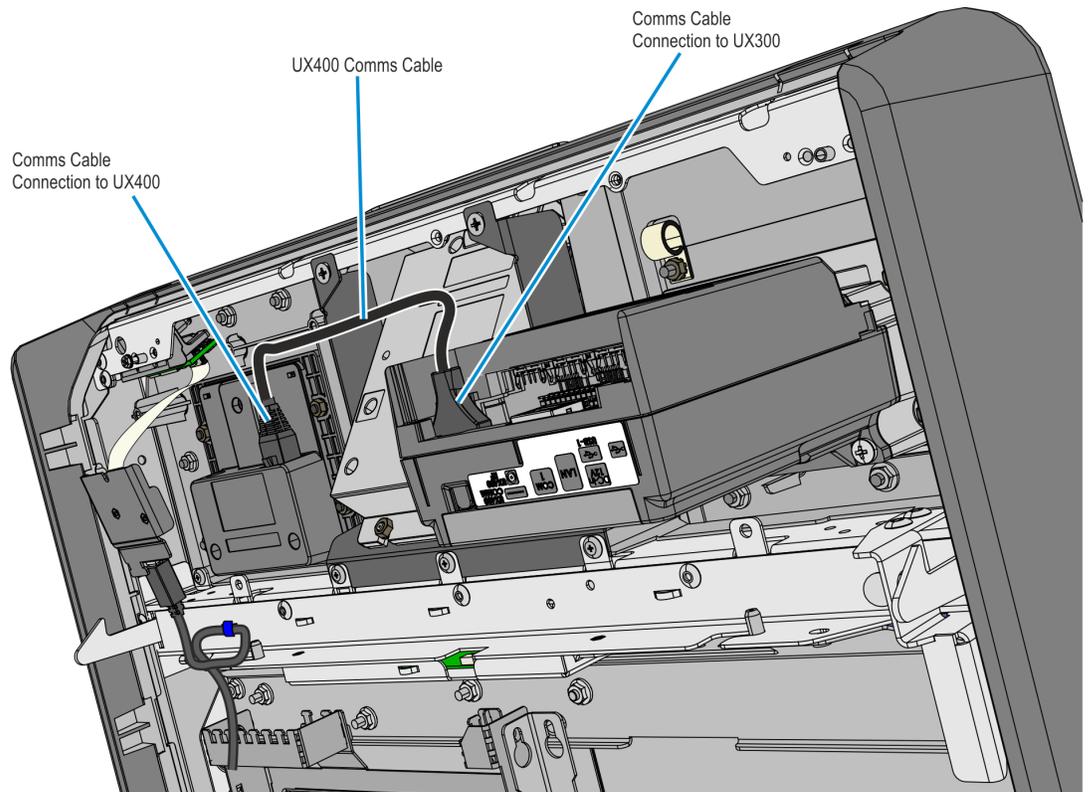


5. Connect the UX400 Comms Cable.



Note: The Comms Cable is not included in this kit. It comes together with the UX400 NFC Reader.

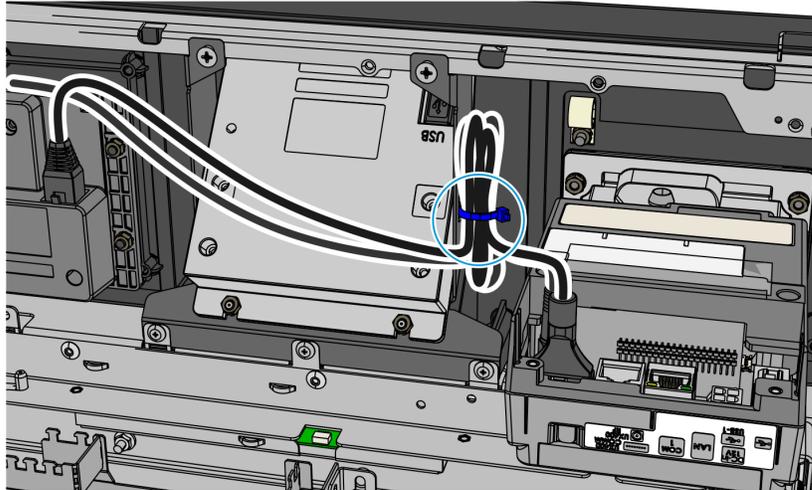
- a. Connect the RJ45 connector of the cable to the UX400 NFC Reader.
- b. Connect the other end of the cable to the **UX400 Comm** port of the UX300 MSR.



6. Bundle the Antenna and Comms cables together and secure the bundle to the fascia frames using cable ties.

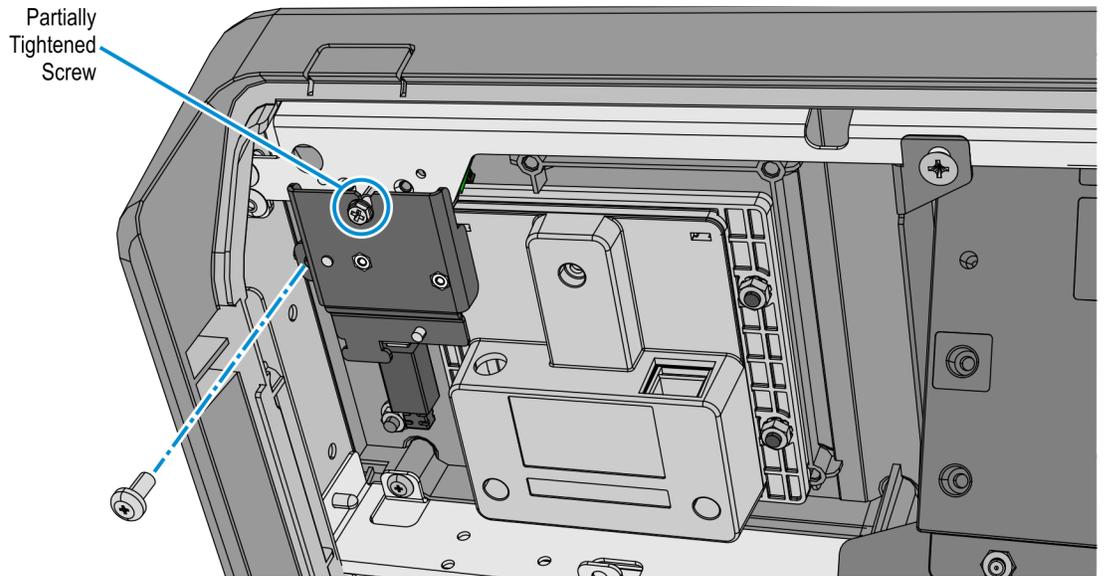


Caution: Ensure that the Antenna and Comms cables do not interfere when opening or closing the upper enclosure fascia.



7. Re-install the Imager Control Board Assembly.
 - a. Insert the recess of the bracket through the partially tightened screw on the fascia, then tighten the screw.
 - b. Secure the Control Board Assembly with a screw on the left-hand side.

 **Caution:** Do NOT over tighten the screws to avoid stripping the threads of the plastic mounting holes.



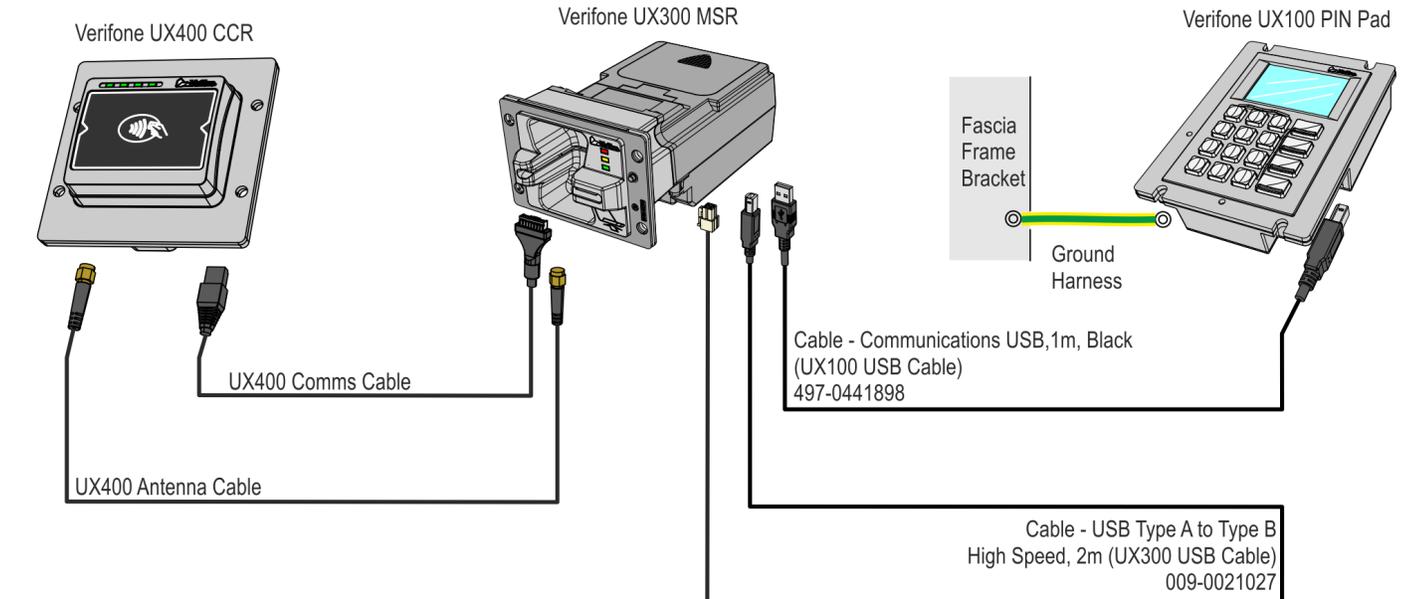
8. Double-check if all UX100, UX300, and UX400 power, antenna, and data cables are neatly bundled and secure by cable ties. Pay close attention to cables that are connected to the UX300 MSR.

 **Caution:** Ensure that the cables do not interfere when opening or closing the upper enclosure fascia.

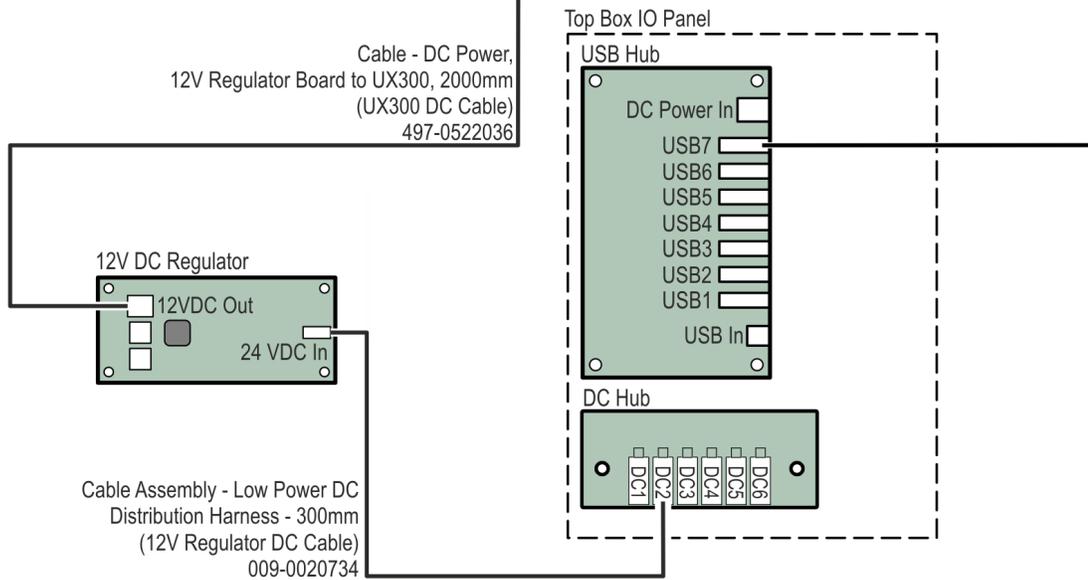
Verifone UX100 PIN with UX300 MSR and UX400 NFC Reader Inter-connection Diagram

The illustration below shows the UX100 PIN Pad, UX300 MSR, and UX400 NFC Reader connection diagram to the NCR SelfServ 75 (7705) Kiosk.

FASCIA



TOP BOX



Loading Media Items

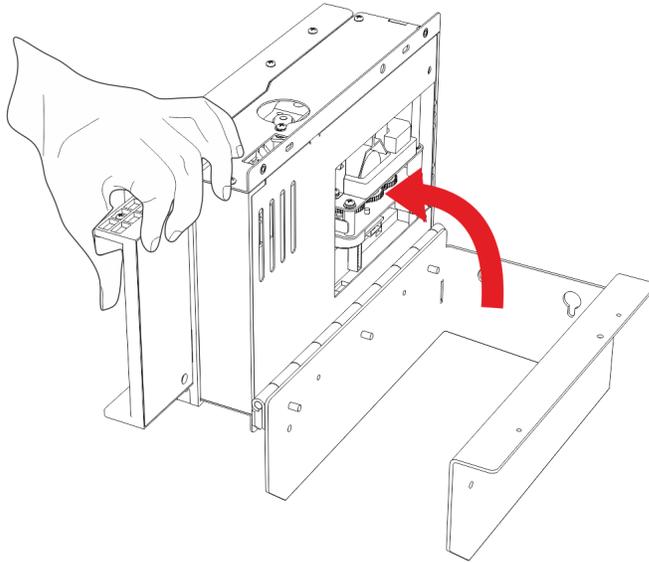
The following Kiosk components if present, require configuration and loading of media items:

- [Check Acceptor](#)
- [Card Dispenser](#)
- [Note Dispenser](#)

Loading the Check Acceptor Ink Ribbon

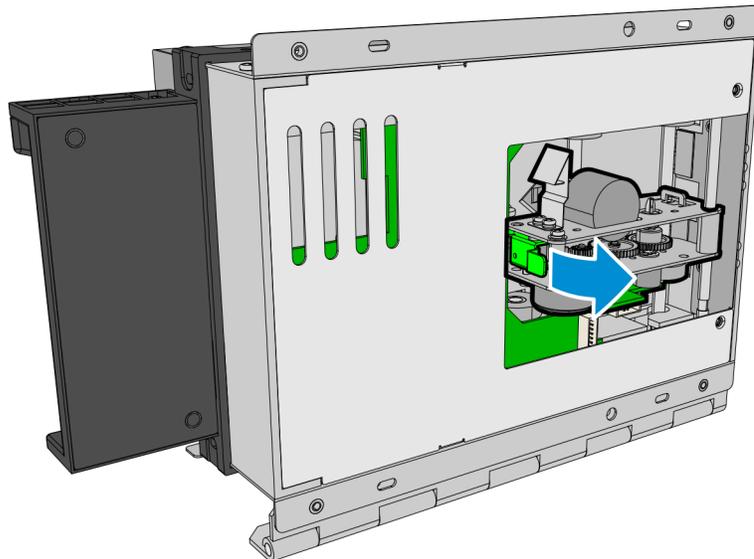
Perform the following steps to install the Check Acceptor Ink Ribbon Cartridge:

1. Carefully lift the entire Check Acceptor over onto its left-hand side.



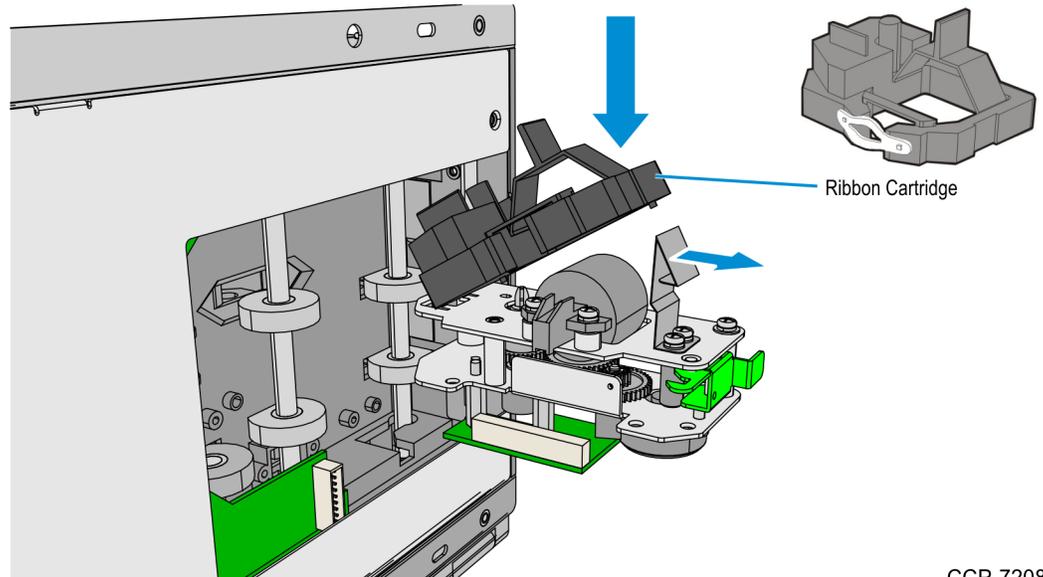
CCP-64020

2. Press the latch (indicated by a green label) to release the spring plate on the underside of the device and then swing the spring plate out.



CCP-72078

3. Pull the vertical metal latch outward and gently place the ribbon cartridge on the spring plate.



CCP-72080

4. Use the green latch to push the spring plate back into the device.

Loading the Card Dispenser

The Card Hoppers can store the following number pieces of cards:

Card Types	Triple-Hopper	Single-Hopper
Embossed Cards	up to 100 cards	up to 100 cards
0.76 mm thick flat cards (without emboss)	up to 150 cards	up to 250 cards

A near-end detect sensor in the hopper determines if the number of cards remaining is low.

- **embossed cards**—about 15 pieces
- **0.76mm thick flat cards (without emboss)**—about 20 pieces



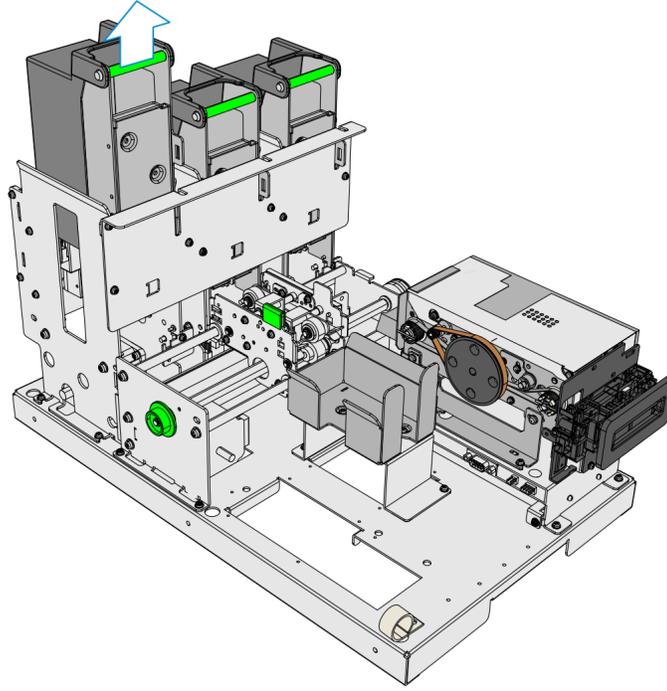
Tip: New cards have a tendency to stick together, causing card jams. Separate new cards from the stack one at a time by hand before placing them into the hopper.

Refer to the appropriate procedure below for adding cards according to the Hopper configuration of the Card Dispenser.:

- [Adding Cards to a Single Hopper Card Dispenser](#)
- [Adding Cards to a Triple Hopper Card Dispenser](#)

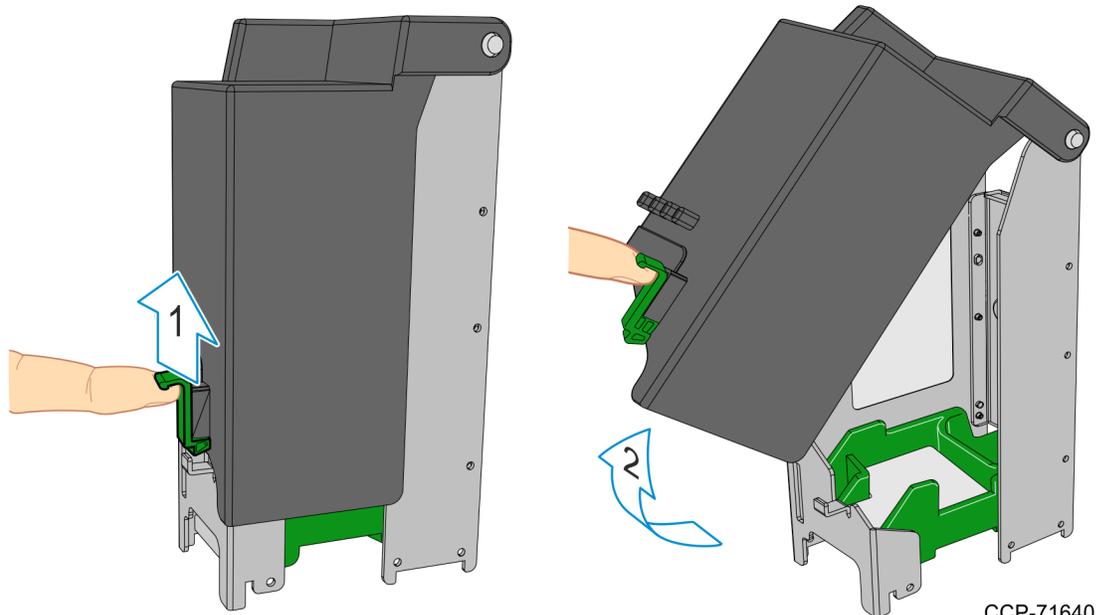
Adding Cards to a Triple Hopper Card Dispenser

1. Remove the Hopper that needs replenishing. Use the green handle bar on the hopper to lift it up from the Card Dispenser.



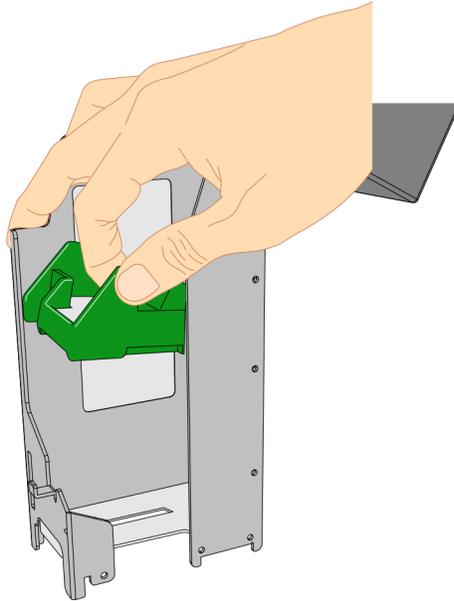
CCP-71643

2. Open the Card Hopper. Lift the Green latch to unlock the cover then rotate the cover forward.



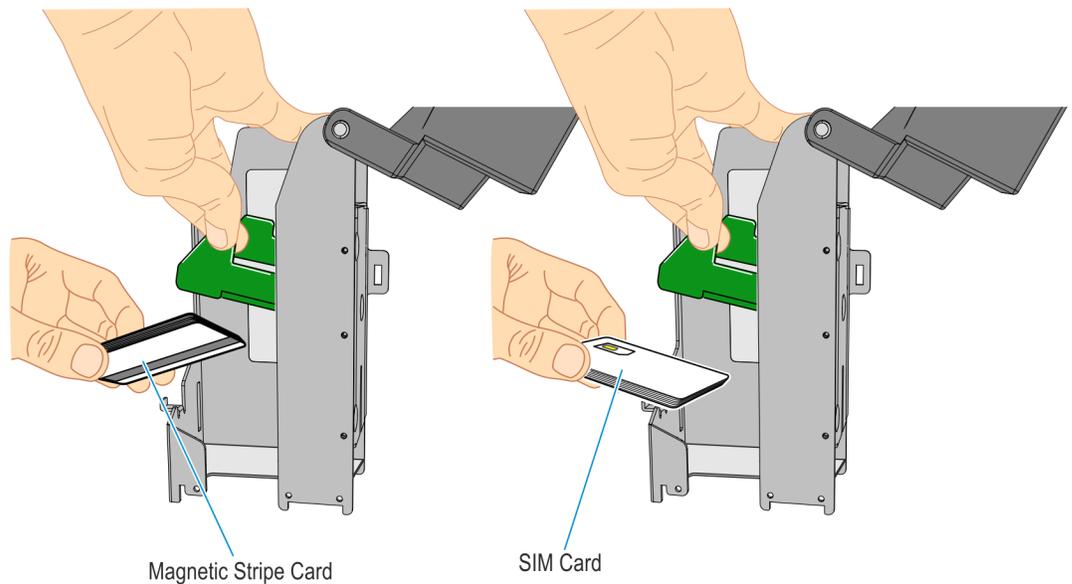
CCP-71640

3. Lift the card stack weight from the Hopper.



CCP-71641

4. Load new cards into the hopper.
 - Magnetic cards—the magnetic stripe must be facing downwards and on the right-hand side (when viewing the dispenser from the front)
 - SIM cards—the IC chip must be facing upwards and on the rear side of the card

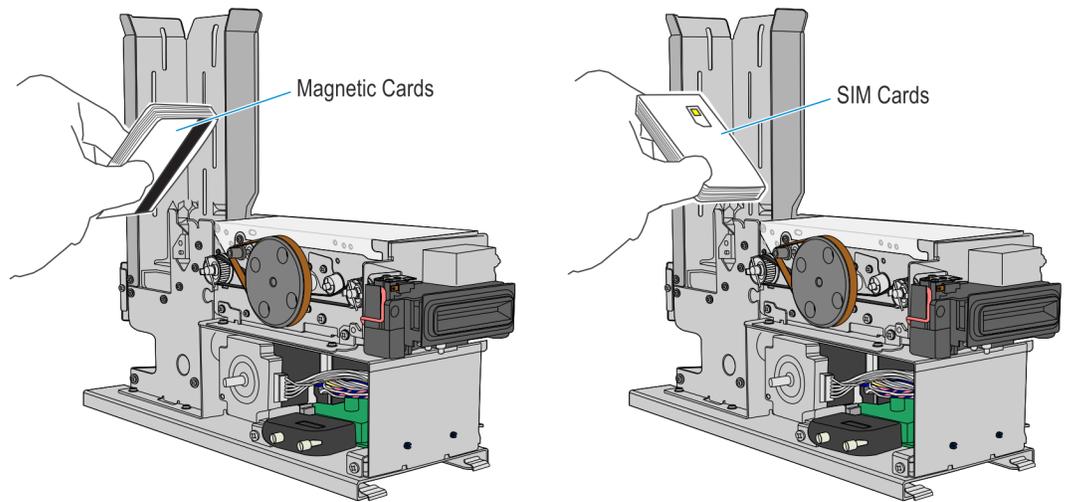


CCP-71642

5. Place the weight on top of the card stack and close the hopper.
6. Mount the hopper on the Card Dispenser.

Adding Cards to a Single Hopper Card Dispenser

1. Remove the card stacker weight from the hopper.
2. Load new cards into the hopper.
 - Magnetic cards—the magnetic stripe must be facing downwards and on the right-hand side (when viewing the dispenser from the front)
 - SIM cards—the IC chip must be facing upwards and on the rear side of the card



CCP-71637

3. Place the weight on top of the card stack.

Adding Notes to the Note Dispenser

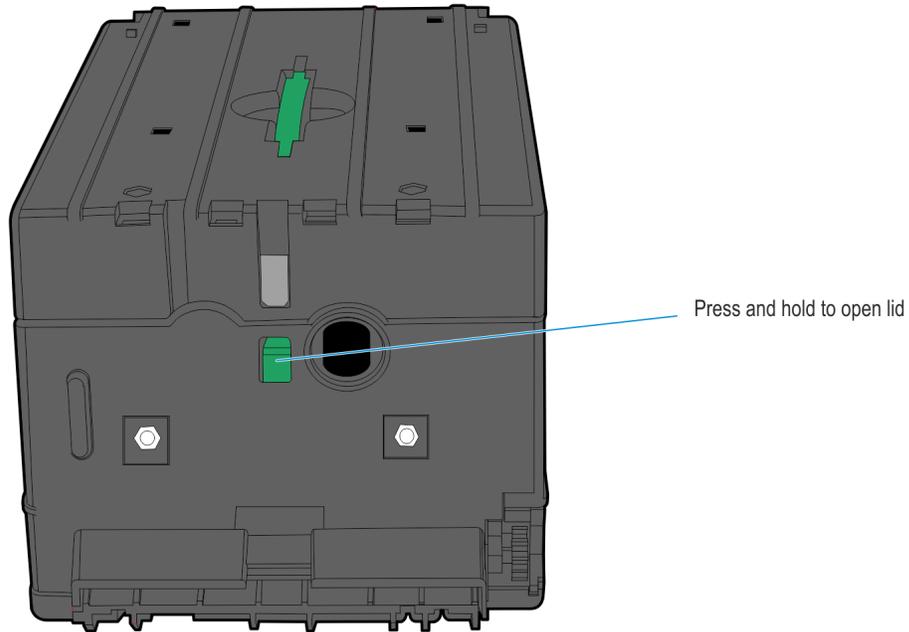
Each currency cassette is configured to hold a specific note denomination. NCR recommends that you put no more than 350 street-grade notes in a cassette.

To replenish the currency cassettes in the dispenser, perform the following steps:

1. *Remove the currency cassette from the dispenser.*
2. *Open the cassette.*
3. *Prepare the currency for loading into the cassette.*
4. *Load the currency into the cassette.*
5. *Replace the cassettes into the dispenser.*

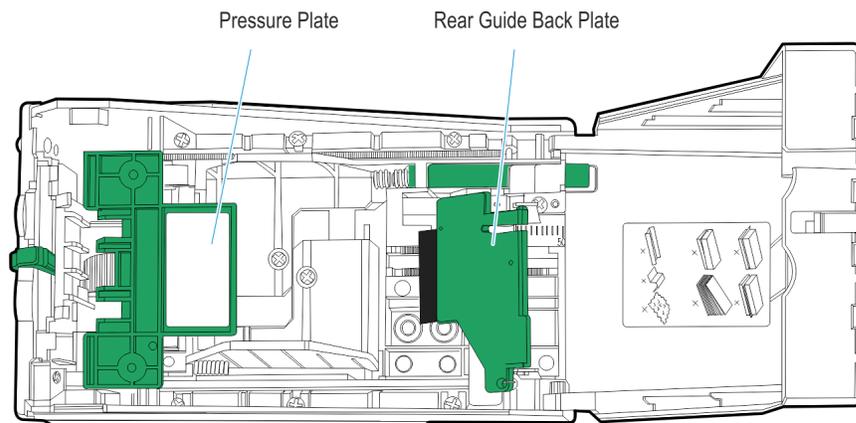
Opening the Cassette

1. Push and hold the green button located on the back of the cassette to release the cassette lid's lock.



25304

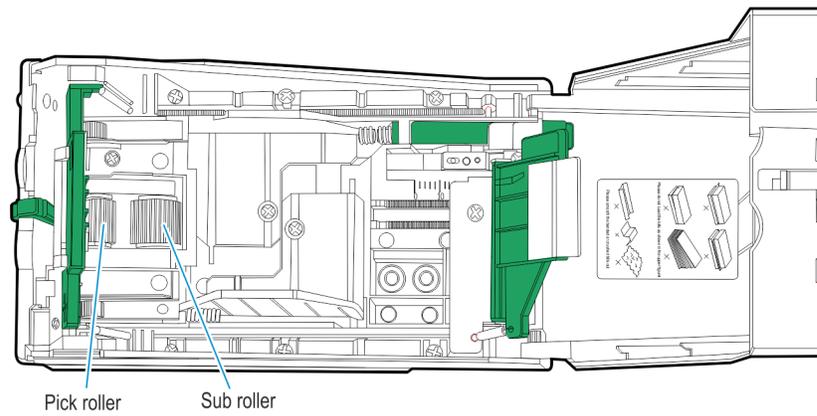
2. Lift the lid upward to open the cassette.



24679

3. Raise the pressure plate up along the grooves on both sides of the cassette. When the pressure plate reaches the top of the groove, push the pressure plate so that it is seated in the slots leading out of the grooves.

4. Lift the rear guide back plate so that it is standing up.

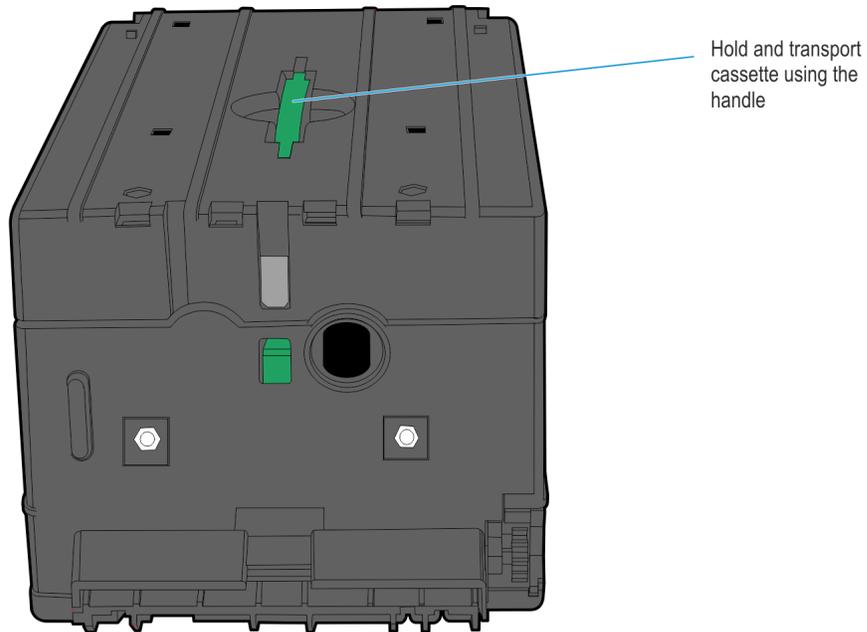


24678

5. Remove any unused currency.

Removing the Currency Cassettes from the Dispenser

1. Press and hold the green push-button located at the bottom-right corner of the cassette to release the cassette from the Dispenser.
2. Slide out the cassette to remove it from the dispenser.
3. Use the green handle on top to hold the cassette when carrying. **Do Not** hold the cassette by the end or side.



25304

4. Repeat steps 3-5 for each currency cassette in the Dispenser.
5. Follow your in-house procedures for indicating that you have removed the cassettes from the Dispenser.

Preparing Notes for Loading

One of the most causes of Dispenser jams is the improper loading of notes into the cassettes. It is very important that careful attention is paid to the sorting and removal of defective notes and to the handling of notes when loading the cassettes.

Do Not Use:

- Notes with serious wrinkles or tears.
- Notes with serious staining.
- Notes that are seriously worn (Note thickness should not be less than 0.08 mm).
- Notes with holes.
- Notes that are limp and cannot be held straightly when one end is supported by a hand.

Prepare currency according to the following information for the type of notes being used.

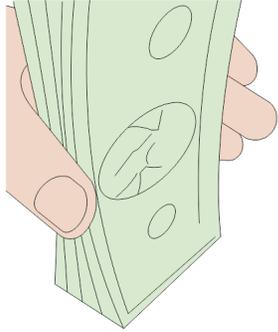
- Used Currency
- New Currency

Used Currency

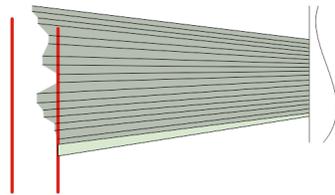
Used Currency are notes that have been in circulation.

1. Hold a bundle of notes in one hand and fan them with the other hand. Check all the notes for any of the following defects.
 - Adhesive or tap substances on the surface of the currency.
 - Tears exceeding more than **13 mm** (0.5 in.) from any edge of the currency.
 - Tears, pin holes or missing sections in the body of the currency.
 - Staples, pins, or any foreign matter attached to the currency.
 - Corners folded more than **13 mm** (0.5 in.) along any edge.
 - Folds in the middle of the note.
 - Leading edge (direction of travel) of the note should be free from any damage (for example, tears or folds.)
 - Notes with small or large holes in the body of the note.
 - Two or more notes that are joined by staples, pins, adhesive, or clips.
2. Remove from the stack any note considered defective. To reduce screening time, any pack of money that appears to contain a high proportion of defective notes should not be screened but rejected in total.

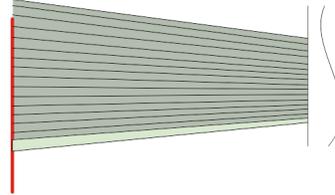
3. Straighten any distortion caused by the straps around the end packs in a used currency bundle. If the distortion cannot be straightened, remove these distorted notes from the stack.
4. Align the acceptable notes by tapping the edges of the bundle on a flat surface.



Bad



Good

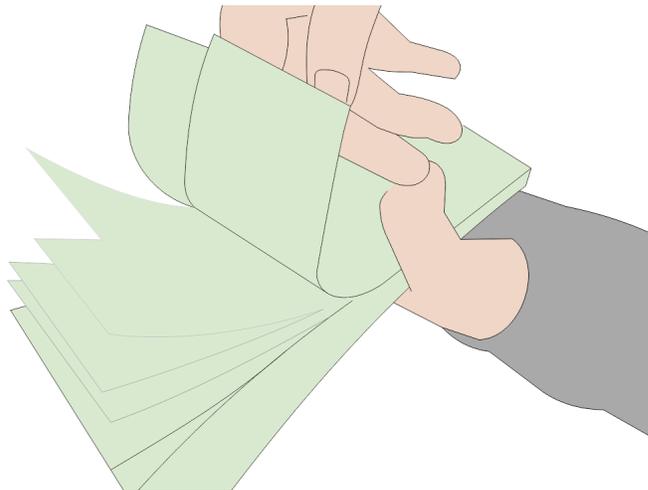


29589

New Currency

New currency are notes that previously have not been circulated.

1. Hold a bundle of notes in one hand and fan the stack of notes several times at each end and sides to separate the notes from each other.

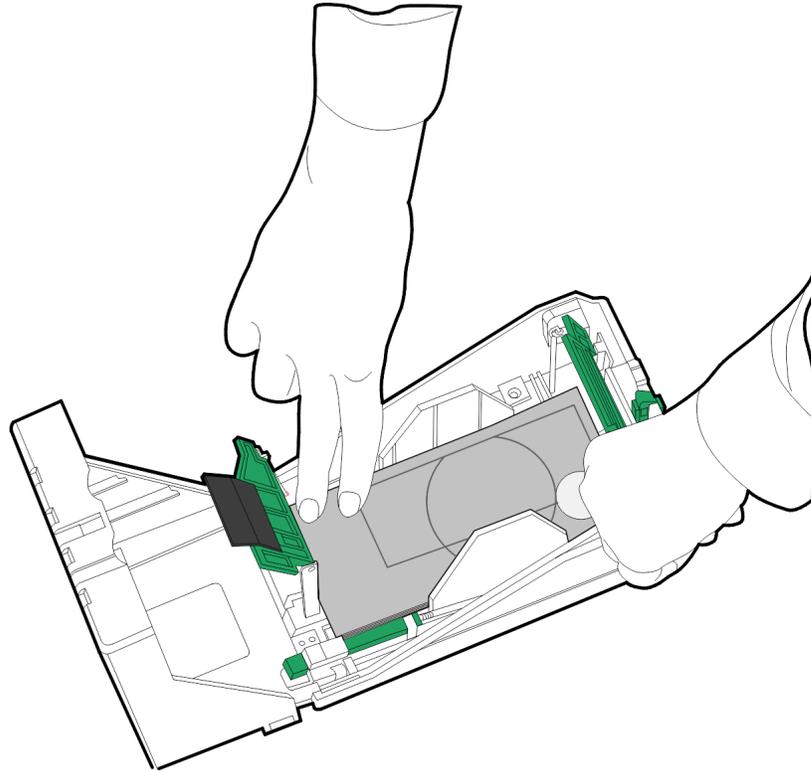


29593

2. Check the notes for the following defects in addition to those defects listed for used currency.
 - Excessive crumpling or crinkling.
 - Currency, which due to conditions of packing and storage has become excessively bowed. Such currency must be straightened, if possible, to make the bend less than **3mm** (0.125 in.) before placing it in the stack. If the bend cannot be straightened, these notes should be removed from the stack.
 - Remove any paste that may have adhered to the notes during packing.
Paste on the notes causes note pick failures.
3. Verify all the notes are separated by knocking the bundle against the table from different angles.
4. Put the notes in neat bundles.

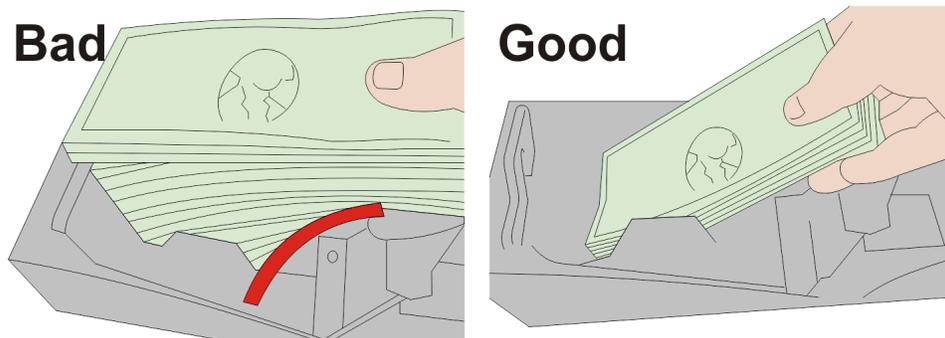
Loading Notes into the Cassette

1. **Use both hands to insert bundles horizontally into the cassette so that they fit between the side guides.** Do not insert bundles using only one hand. Make sure that the following requirements are met.



25275

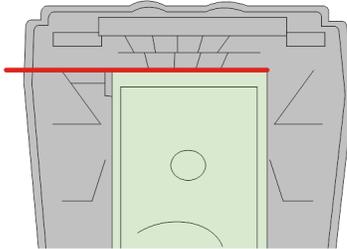
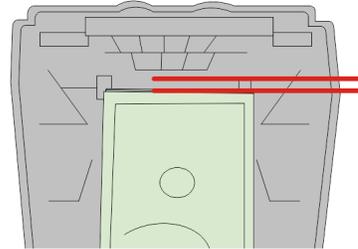
2. Place the loose, neat bundles into the cassette. For ease of handling, do not place more than 50 to 100 notes into the cassette at one time.



31007

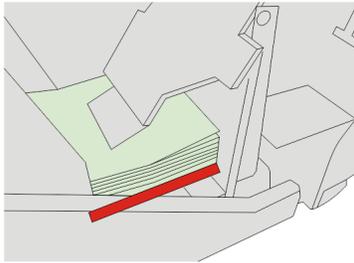
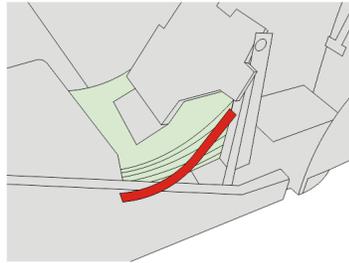
- No note should be sticking out of the bundle ends beyond the side guides.

- No note should be sticking out of the bundle bottom edge so much that it becomes folded when placed into the cassette.

Good**Bad**

29595

- Check to see that there is clearance between both sides of the note stack and the side guide.
3. Lower back the rear guide and front pressure plate to hold the notes in place.

Good**Bad**

29596

4. Close the lid of the cassette.



Note: You may also have to seal the catch and complete any documentation required to indicate you have loaded notes in the cassette.

5. Follow your in-house procedures for indicating that you have filled the currency Currency Cassette.

Replacing the Cassettes into the Dispenser

Cassettes must be placed in the Dispenser with the lowest denomination note cassette on top and the highest note denomination on the bottom. For example:

Top = \$1

Middle = \$5

Bottom = \$20

Improper insertion of the cassettes results in an error indicating that the cassette is not installed.

1. Replace each currency cassette by sliding and pushing the cassette back into the dispenser until it clicks into place.
2. Close and lock the internal security door, then the kiosk door.

Configuring the Note Dispenser Cassettes

Setting Note Denomination

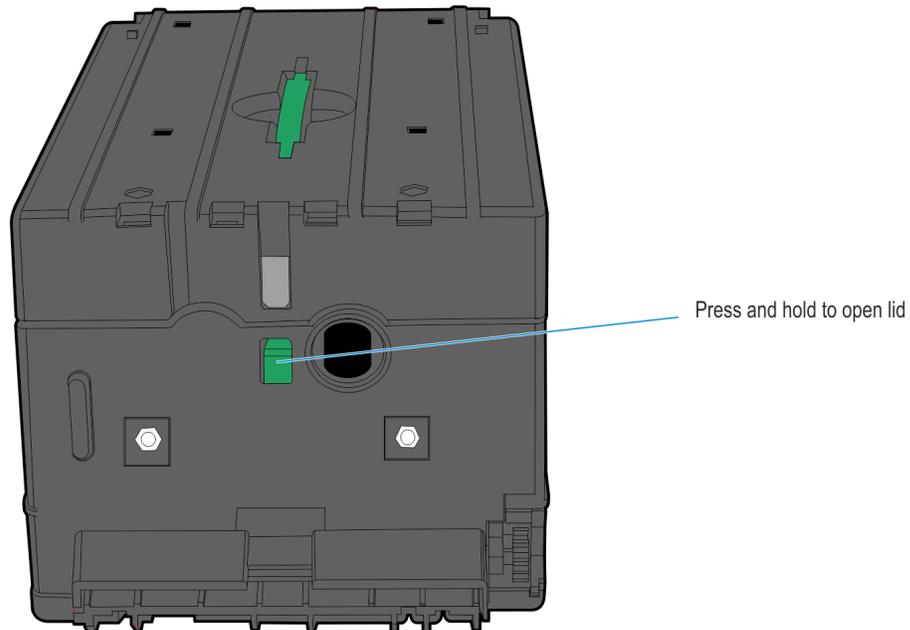
The Cash Dispenser supports up to three different note denominations. The denomination magnet configuration communicates the denomination of the notes contained within that cassette. The Kiosk software uses this information to determine which cassette it needs to use to dispense change to the customer.

There are four magnet slots in each cassette. One magnet is inserted in each of two slots to define the denomination contained in that cassette.

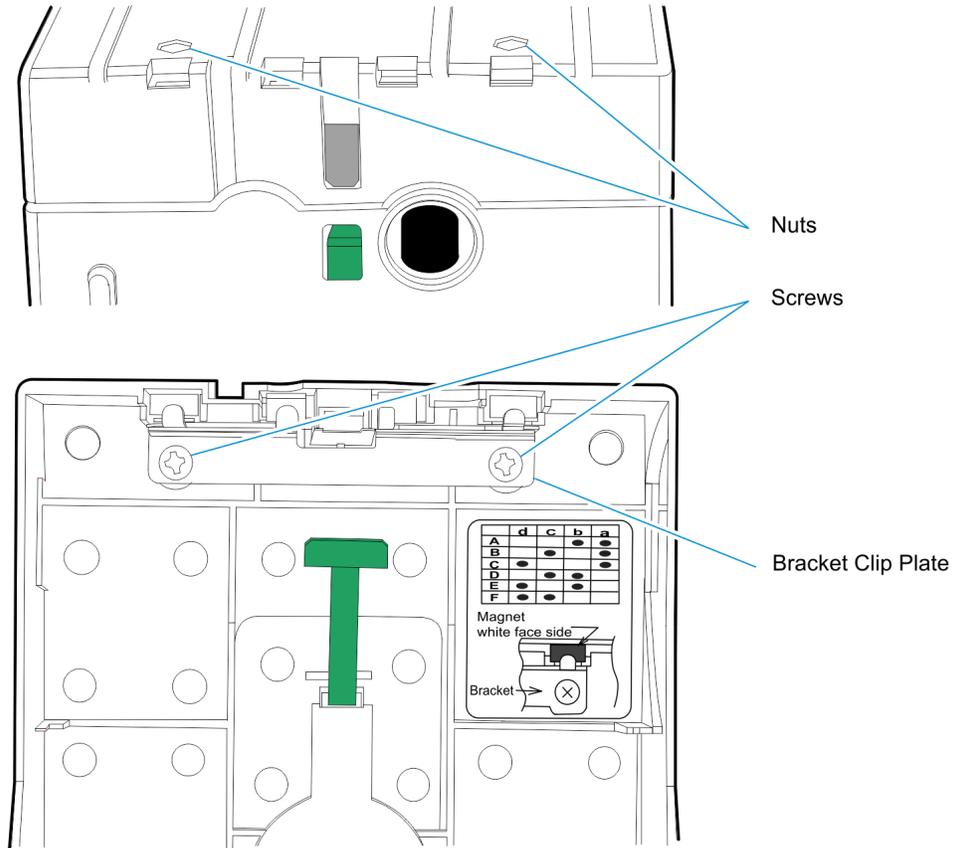


Note: The denomination of the notes loaded into the cassette **MUST** correspond with the magnet settings.

1. Press the release button (green) at the back to open the cassette.



- Remove the two screws securing the Bracket Clip Plate to the cassette Lid. Make sure to retain the two nuts on the outside of the lid.



25927

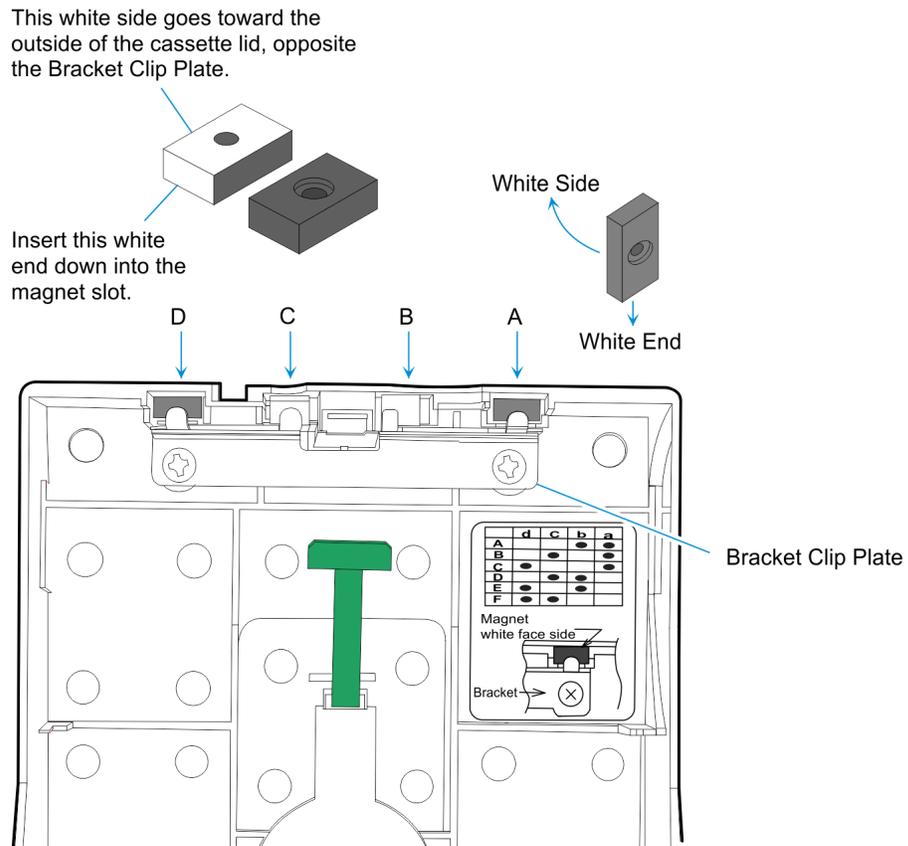
- Insert a denomination magnet into each of the two slots that define the currency denomination for that cassette. Insert the white end of the magnet into the magnet slot with the white side facing the outside of the cassette lid, opposite the Bracket Clip Plate.



Note: The magnet setting details for each supported country's currency denomination are provided in Appendix B, "Notes Dispensed."

Denomination	Magnet Position			
	D	C	B	A
Type A			X	X
Type B		X		X
Type C	X			X
Type D		X	X	
Type E	X		X	
Type F	X	X		

The illustration below shows the magnet setting for denomination type C.



25928

4. Verify that the denomination magnets are completely fitted into the slots.
5. Place the bracket clip plate over the magnets and secure to cassette with two screws.
6. Secure the screws with red Loctite.

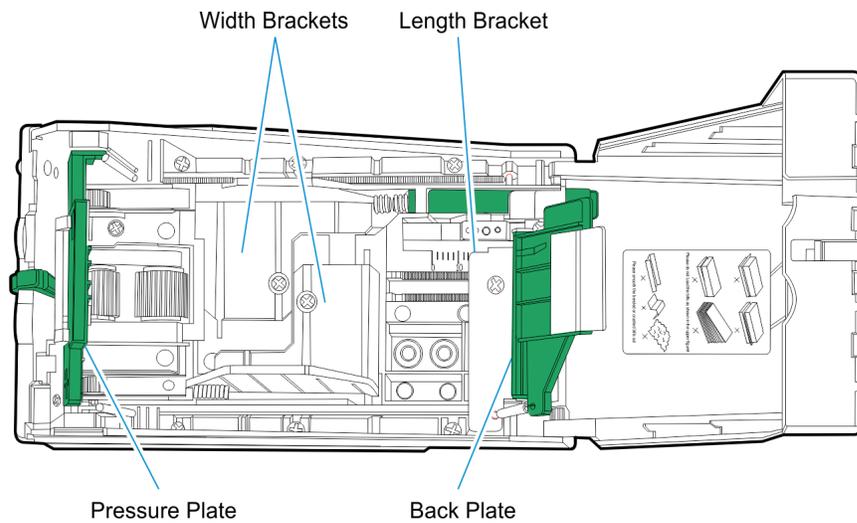
Setting Note Length and Width

Two models of note cassettes exist. Inspect the part number found on the bottom of the cassette to determine which Length setting to use. The label indicates *KD03243-C500* or *KD03243-C520*.



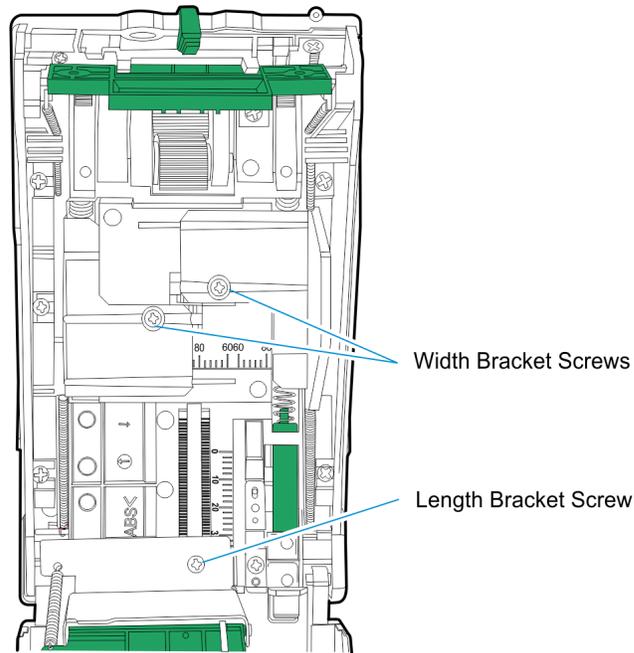
Note: For more information on the length and width settings for each released country and note denomination, refer to the "Notes Dispensed" section.

1. Lift both the Pressure Plate and Back Plate to the up position.



25969

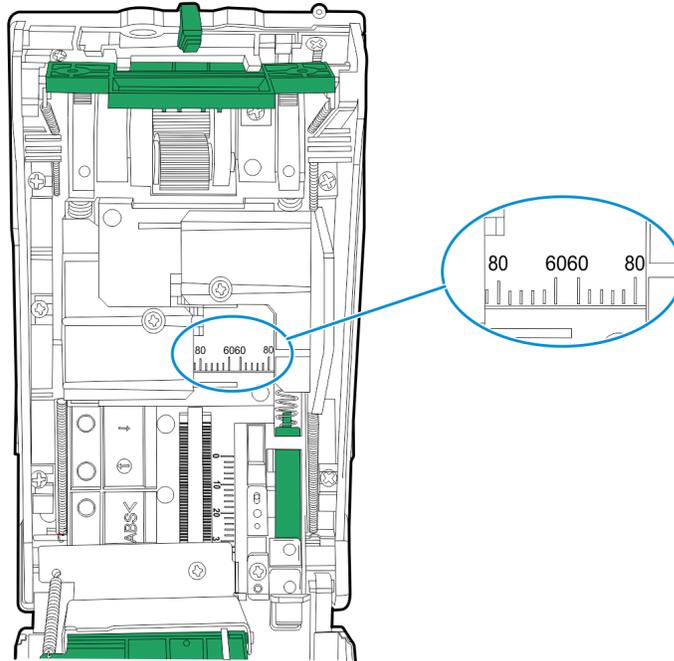
2. Loosen the screw on the Length Bracket and slide it to the back of the cassette.
3. Loosen the two screws securing the Width Brackets and slide them out to their fully extended positions.



25970

4. Determine the width setting of the note denomination that is loaded in the cassette. Refer to the "Notes Dispensed" section for information on length and width currency settings for the appropriate country.
5. Adjust the width brackets by sliding them to the appropriate width setting value. Each mark on the width ruler is **4 mm**.

Example: If the note setting is **68 mm**, slide each width bracket to the second mark past the center mark of 60. In the following illustration, the width brackets are shown set to **84 mm**.

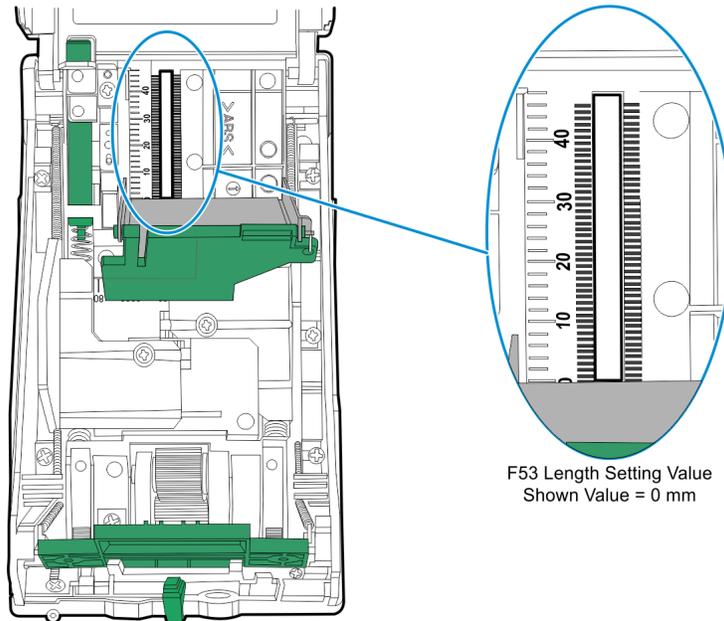


25971

6. Secure the width brackets in place by tightening the screws.
7. Determine the length setting of Note denomination that is loaded in the cassette.
8. Adjust the length bracket by sliding it so that the back side of the bracket is at the length setting value provided in Appendix B, "Notes Dispensed."
Each mark on the length ruler is **2 mm**.

Example: For example, if the note setting is **34 mm**, slide each length bracket to the second mark past the 40 mark. The following illustration shows the bracket set at zero (0).

Cassette KD03243-C500

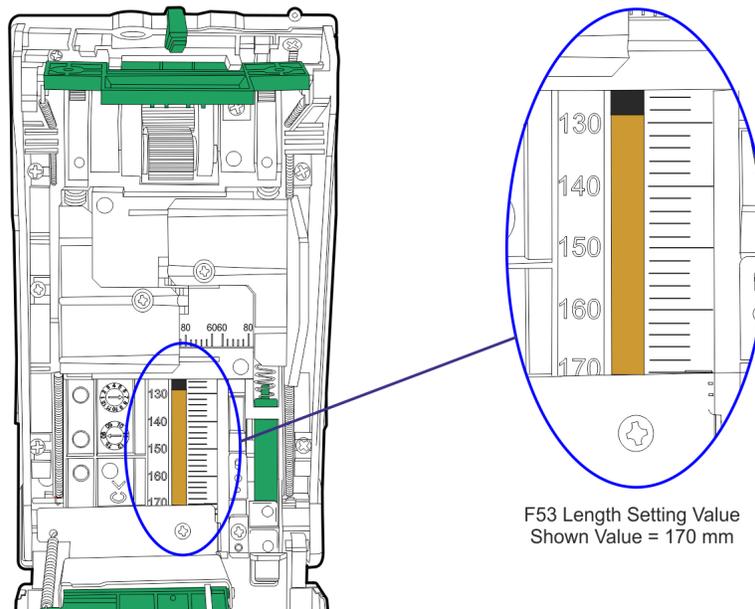


25972



Note: When adjusting the note length on a KD03243-C500 cassette, position the Length Bracket so that the vertical side is at the desired value as shown in the previous illustration.

Cassette KD03243-C520



28309



Note: When adjusting the note length on a KD03243-C500 cassette, position the Length Bracket so that the vertical side is at the desired value as shown in the previous illustration.

9. Insert the notes and verify that if the notes fit in the cassette.
10. Remove the note and lock the length bracket in place by tightening the screw.
11. Close the cassette Lid, the cassette is now configured for the desired note.

Connecting External Cables

The cables used to make connections to the Kiosk must conform to the cable specifications and details provided in the [NCR SelfServ 75 \(7705\) Site Preparation Guide](#) (B005-0000-2391).



Note: It is the responsibility of the customer to make sure that all site preparations are complete and in compliance with NCR specifications and requirements and with all national, state or local electrical codes, telephone and telegraph regulations and laws.

Connect External Cables according to the following Kiosk configurations:

- [Main Kiosk Only](#) on the facing page.
- [Kiosk with Sidecar](#) on page 88.

Main Kiosk Only

There are two external cables that may need to be connected to the Kiosk:

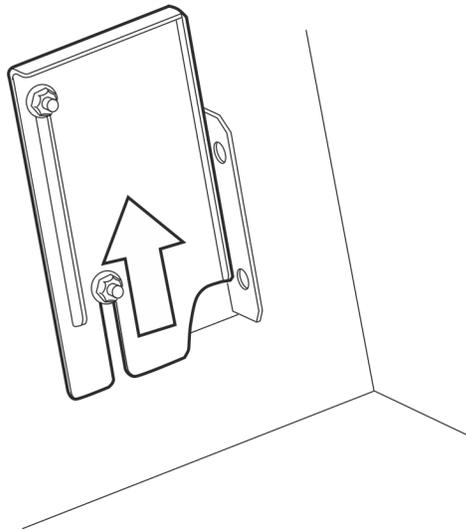
- Ethernet Cable
- AC Power Cable for Kiosk with no UPS



Note: For 110V Kiosks with a UPS, the AC external cable may already be pre-connected to the UPS.

To connect these cables, perform the following steps:

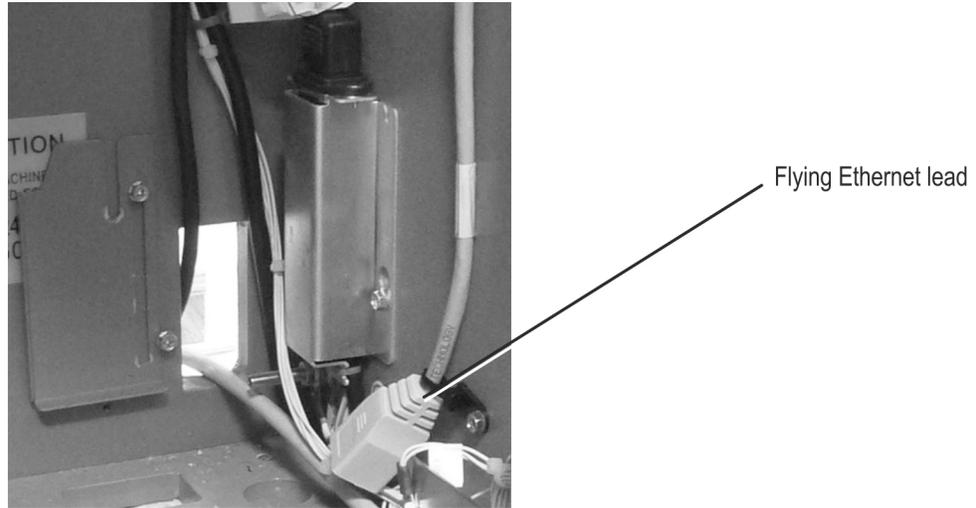
1. Open the cable entry hole by loosening the two nuts holding the cover in place. Slide the cover upwards and secure in place giving easy access to the entry hole.



CCP-63002

2. Insert the ends of the cables through the cable entry hole. Pull sufficient length of cables to allow them to be plugged into the relevant sockets.

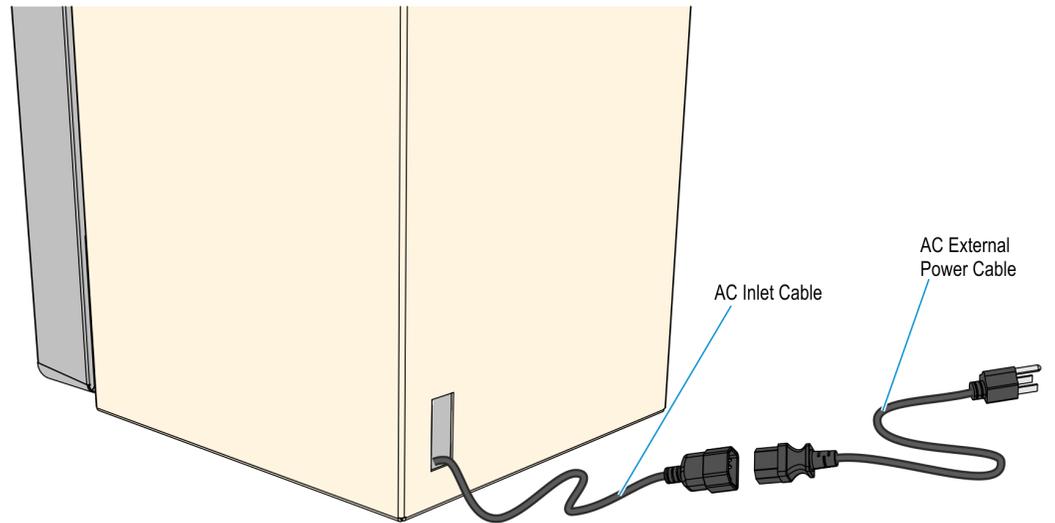
3. Plug the Ethernet cable into the short flying lead socket on the right-hand side of the security enclosure.



4. Plug the External AC Power Cable.
 - a. For Kiosk Only configurations with no UPS, plug the Power Cable into the socket on the AC inlet connector.



- b. For 220V-240V Units with UPS, plug the AC Power Cable to the AC Inlet Cable.



CCP-71794

5. Ensure there are no loose cables and they are adequately strain relieved by securing the cables to the metal upright (if fitted) or mounting studs located beside the mains inlet using P-clips or cable ties provided in the accessories bag.
6. Check that the cables do not interfere with the operation or racking out of any modules.
7. Close and lock the security enclosure.
8. Close the front panel door.

Kiosk with Sidecar

There are two external cables that may need to be connected to the Kiosk:

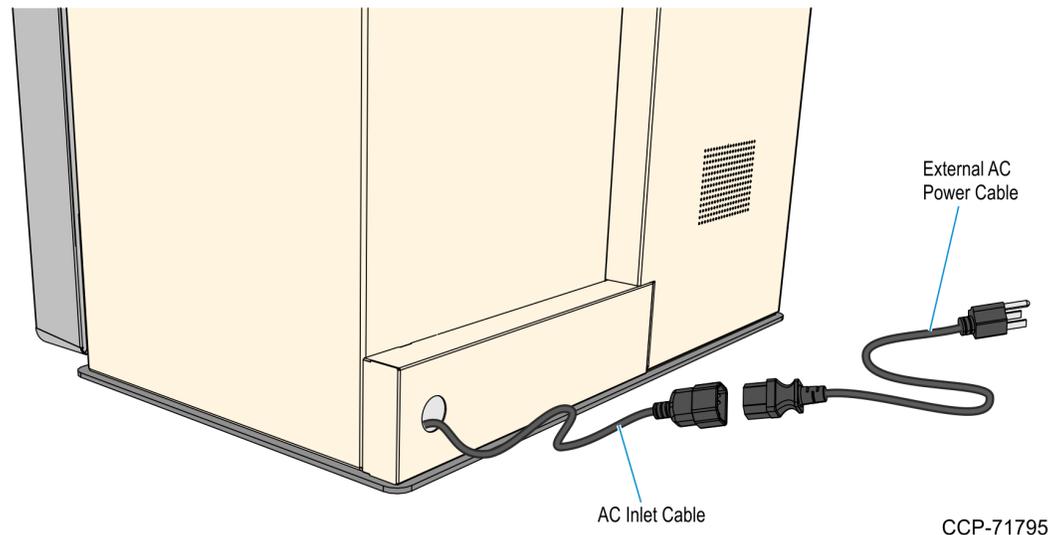
- Ethernet Cable
- AC Power Cable

To connect these cables, perform the following steps:

1. For Kiosks with the following configurations, plug the External AC Power Cable to the AC Inlet cable:
 - Kiosks without UPS
 - 220V Kiosk with UPS

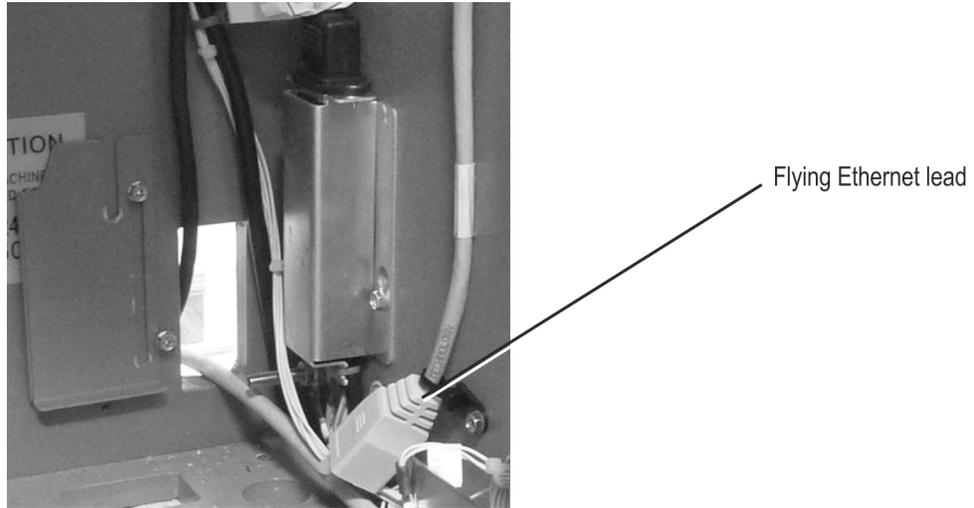


Note: For 110V Kiosks with UPS, the AC Power Cable is pre-connected to the UPS.



2. Insert the end of the Ethernet cable into the Kiosk cabinet through the cable entry hole. Inside the Kiosk, pull sufficient cable length to allow the cable to be plugged into the Ethernet socket.

3. Plug the Ethernet cable into the Ethernet short flying lead socket on the right-hand side of the security enclosure.



4. Ensure there are no loose cables and they are adequately strain relieved by securing the cables to the metal upright (if fitted) or mounting studs located beside the mains inlet using P-clips or cable ties provided in the accessories bag.
5. Check that the cables do not interfere with the operation or racking out of any modules.
6. Close and lock the security enclosure.
7. Close the front panel door.

Cleaning the Cabinet and Exterior Surfaces

 **Warning:** Do not use alcohol (methyl, ethyl, or isopropyl) or any strong dissolvent. Do not use thinner or benzene, abrasive cleaners (powders), abrasive cleaning materials (scrub brush, scouring pad), or compressed air. Do not use any other type of cleaners such as vinegar, solvents, degreasers, or ammonia-based cleaners. These can damage the unit.

 **Warning:** Do not soak the kiosk and its devices with cleaning liquid. Do not spray cleaners or other solutions directly onto the kiosk. Avoid getting any liquid inside the kiosk or its components. If liquid does get inside, have a qualified technician check the kiosk before powering it on.

1. Turn the kiosk OFF and unplug the External AC Power Cable.
2. Wipe the cabinet, camera lens, bar code scanner window, passport scan window, fingerprint reader scan area, and other exterior surfaces using any of the following:
 - A soft and non-abrasive cleaning cloth or cloth towel, dampened with mild non-abrasive soap and water solution
 - Food Grade Disinfectant wipes
3. Wipe the kiosk using a clean and dry lint-free cloth.

Appendix A: F53 Notes Dispensed

The note denominations that can be dispensed for each country by the F53 Note Dispenser are shown in the following table.

For instructions on configuring the cassette magnet setting, note length setting and note width setting, see to the [Configuring the Note Dispenser Cassettes](#) on page 76.



Note: The Length Setting depends on the cash cassette used. Inspect the cash cassette part number found at the service label on the bottom of the cassette. The part number is indicated by KD03234–C500 (or C520).

Country	Denomination	Dimensions	Length Setting Tic Line = 2mm		Width Setting Tic Line = 4mm	Type (Slot)	Magnet			
			C500	C520			D	C	B	A
US	\$1	156 x 66 mm	34 mm	156 mm	68 mm	A(1)			X	X
US	\$5	156 x 66 mm	34 mm	156 mm	68 mm	B(2)		X		X
US	\$10	156 x 66 mm	34 mm	156 mm	68 mm	C(3)	X			X
US	\$20	156 x 66 mm	34 mm	156 mm	68 mm	D(3)		X	X	
US	\$50	156 x 66 mm	34 mm	156 mm	68 mm	E(4)	X		X	
US	\$100	156 x 66 mm	34 mm	156 mm	68 mm	F(4)	X	X		
Canada	\$5	153 x 70 mm	32 mm	154 mm	72 mm	A(1)			X	X
Canada	\$10	153 x 70 mm	32 mm	154 mm	72 mm	B(2)		X		X
Canada	\$20	153 x 70 mm	32 mm	154 mm	72 mm	C(3)	X			X
UK (Channel Isl.)	£ 1	125 x 65 mm	4 mm	126 mm	68 mm	D(1)		X	X	
UK (Channel Isl.)	£ 5	137 x 70 mm	16 mm	138 mm	72 mm	A(2)			X	X
UK (Channel Isl.)	£ 10	142 x 75 mm	20 mm	142 mm	76 mm	B(3)		X		X
UK	£ 5	135 x 70 mm	14 mm	136 mm	72 mm	A(1)			X	X

Country	Denomination	Dimensions	Length Setting Tic Line = 2mm		Width Setting Tic Line = 4mm	Type (Slot)	Magnet			
			C500	C520			D	C	B	A
UK	£ 10	142 x 75 mm	20 mm	142 mm	76 mm	B(2)		X		X
UK	£ 20	150 x 80 mm	28 mm	150 mm	80 mm	C(3)	X			X
Euro	€ 5	120 x 62 mm	0 mm	120 mm*	64 mm	A(1)			X	X
Euro	€ 10	127 x 67 mm	6 mm	128 mm	68 mm	B(2)		X		X
Euro	€ 20	133 x 72 mm	12 mm	134 mm	72 mm	C(3)	X			X
Australia	\$5	130 x 65 mm	8 mm	130 mm	68 mm	A(1)			X	X
Australia	\$10	137 x 65 mm	16 mm	138 mm	68 mm	D(3)		X	X	
Australia	\$20	144 x 65 mm	22 mm	144 mm	68 mm	B(2)		X		X
Australia	\$50	151 x 65 mm	30 mm	152 mm	68 mm	C(3)	X			X
Japan	¥1000	150 x 76 mm	28 mm	150 mm	76 mm	A(1)			X	X
Japan	¥2000	154 x 76 mm	32 mm	154 mm	76 mm	B(2)		X		X
Japan	¥5000	156 x 76 mm	34 mm	156 mm	76 mm	C(3)	X			X
Poland	ZL 10	120 x 60 mm	0 mm	120 mm*	60 mm	A(1)			X	X
Poland	ZL 20	126 x 63 mm	4 mm	126 mm	64 mm	B(2)		X		X
Poland	ZL 50	132 x 66 mm	12 mm	132 mm	68 mm	C(3)	X			X
Mexico	P 20	120 x 66 mm	0 mm	120 mm*	66 mm	A(1)			X	X
Mexico	P 100	134 x 66 mm	12 mm	134 mm	66 mm	B(2)		X		X
Mexico	P 200	141 x 66 mm	20 mm	142 mm	66 mm	C(3)	X			X
South Korea	W 1000	136 x 68 mm	14 mm	136 mm	68 mm	A(1)			X	X
South Korea	W 5000	142 x 68 mm	20 mm	142 mm	68 mm	B(2)		X		X
South Korea	W 10000	148 x 68 mm	26 mm	148 mm	68 mm	C(3)	X			X
New Zealand	\$5	136 x 66 mm	14 mm	136 mm	68 mm	A(1)			X	X
New Zealand	\$10	140 x 68 mm	18 mm	140 mm	68 mm	B(2)		X		X
New Zealand	\$20	145 x 70 mm	24 mm	146 mm	72 mm	C(3)	X			X
Sweden	20 Kronor	120 x 67 mm	0 mm	120 mm*	68 mm	A(1)			X	X

Country	Denomination	Dimensions	Length Setting Tic Line = 2mm		Width Setting Tic Line = 4mm	Type (Slot)	Magnet			
			C500	C520			D	C	B	A
Sweden	50 Kronor	120 x 77 mm	0 mm	120 mm*	80 mm	B(2)		X		X
Sweden	100 Kronor	140 x 72 mm	18 mm	140 mm	72 mm	C(3)	X			X
Turkey	1 Lira	156 x 76 mm	34 mm	156 mm	76 mm	A(1)			X	X
Turkey	5 Lira	162 x 76 mm	40 mm	162 mm	76 mm	B(2)		X		X
Denmark	50 Kroner	125 x 72 mm	4 mm	126 mm	72 mm	A(1)			X	X
Denmark	100 Kroner	135 x 72 mm	14 mm	136 mm	72 mm	B(2)		X		X
Lithuania	10 Lita	135 x 65 mm	14 mm	136 mm	68 mm	A(1)			X	X
Lithuania	20 Lita	135 x 65 mm	14 mm	136 mm	68 mm	B(2)		X		X
Czech Republic	100 Kuron	140 x 68 mm	18 mm	140 mm	68 mm	A(1)			X	X
Czech Republic	200 Kuron	146 x 69 mm	26 mm	146 mm	70 mm	B(2)		X		X
Czech Republic	500 Kuron	152 x 69 mm	30 mm	152 mm	70 mm	C(3)	X			X
Hungary	1000 Forint	154 x 70 mm	34 mm	154 mm	70 mm	A(1)			X	X
Hungary	5000 Forint	154 x 70 mm	34 mm	154 mm	70 mm	B(2)		X		X
Saudi	1 Riyal	134 x 62 mm	14 mm	136 mm	64 mm	A(1)			X	X
Saudi	10 Riyal	150 x 68 mm	28 mm	150 mm	68 mm	B(2)		X		X
Saudi	50 Riyal	155 x 70 mm	34 mm	156 mm	70 mm	C(3)	X			X
Chile	P 1000	145 x 70 mm	24 mm	146 mm	72 mm	A(1)			X	X
Chile	P 2000	145 x 70 mm	24 mm	146 mm	72 mm	B(2)		X		X
Chile	P 5000	145 x 70 mm	24 mm	146 mm	72 mm	C(3)	X			X
Argentina	5 P	155 x 65 mm	34 mm	156 mm	68 mm	A(1)			X	X
Argentina	10 P	155 x 65 mm	34 mm	156 mm	68 mm	B(2)		X		X
Argentina	20 P	155 x 65 mm	34 mm	156 mm	68 mm	C(3)	X			X
Croatia	10 HRK	126 x 63 mm	126 mm	72 mm	64 mm	A(1)			X	X

Country	Denomination	Dimensions	Length Setting Tic Line = 2mm		Width Setting Tic Line = 4mm	Type (Slot)	Magnet			
			C500	C520			D	C	B	A
Croatia	20 HRK	130 x 65 mm	6 mm	130 mm	68 mm	B(2)		X		X
Croatia	100 HRK	138 x 69 mm	18 mm	140 mm	72 mm	C(3)	X			X
Peru	S/. 10	140 x 65 mm	18 mm	140 mm	68 mm	A(1)			X	X
Peru	S/. 20	140 x 65 mm	18 mm	140 mm	68 mm	B(2)		X		X
Peru	S/. 100	140 x 65 mm	18 mm	140 mm	68 mm	D(3)		X	X	
Guatemala	Q5	156 x 67 mm	34 mm	156 mm	68 mm	A(1)			X	X
Guatemala	Q10	156 x 67 mm	34 mm	156 mm	68 mm	B(2)		X		X
Guatemala	Q20	156 x 67 mm	34 mm	156 mm	68 mm	C(3)	X			X
Colombia	\$1000	130 x 65 mm	8 mm	130 mm	68 mm	A(1)			X	X
Colombia	\$5000	140 x 70 mm	18 mm	140 mm	72 mm	B(2)		X		X
Colombia	\$10000	140 x 70 mm	18 mm	140 mm	72 mm	C(3)	X			X
Singapore	2 SGD	126 x 63 mm	7 mm	131 mm	67 mm	A(1)			X	X
Singapore	5 SGD	134 x 65 mm	16 mm	138 mm	69 mm	B(2)		X		X
Singapore	10 SGD	141 x 69 mm	24 mm	146 mm	73 mm	C(3)	X			X
China	5 YUAN	135 x 71 mm	17 mm	139 mm	74 mm	A(1)			X	X
China	10 Yuan	140 x 70 mm	22 mm	144 mm	73 mm	B(2)		X		X
China	20 YUAN	144 x 69 mm	26 mm	148 mm	72 mm	C(3)	X			X