NCR VOYIX

Kit Instructions

7895/7896 Metal Shroud (7360 R65/7370 R65)

7360-K898

Issue A

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Revision Record

Publication issue	Date	Description of change
A	Aug 2025	First issue.

7360-K898 7895/7896 Scanner Shroud (7360 R65/7370 R65)

This publication provides procedures for installing the 7360-K898 7895/7896 Scanner Shroud kit to either the the NCR Voyix 7896 Scanner/Scale or NCR Voyix 7895 Scanner/Scale that is configured in any of the following R65 Self-Checkout units:

- NCR Voyix FastLane SelfServ™ Checkout (7360) R65 Full Function
- NCR Voyix FastLane SelfServ™ Checkout (7370) R65 Card Only

Kit Contents

Faceplate

Flat Head Screw

Neodymium Disc Magnet
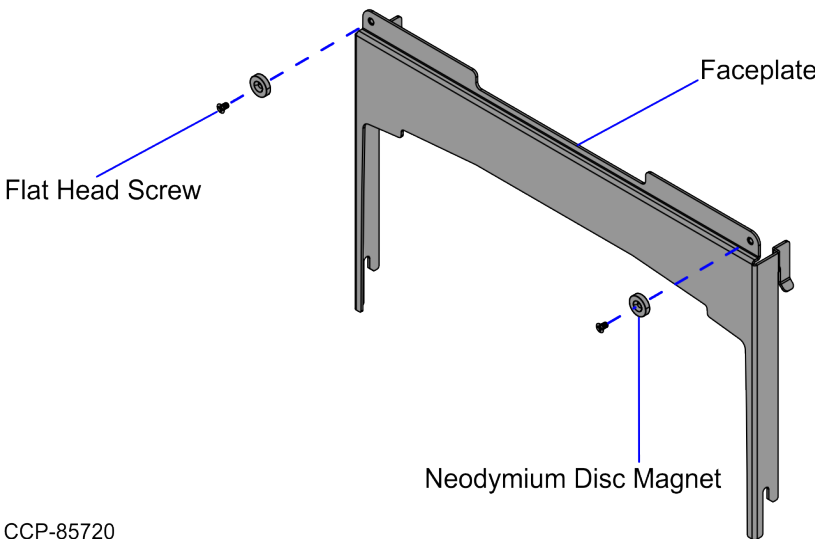
CCP-85720

Part Number	Description
497-0538729	7360-K898 7895/7896 Metal Shroud (7360 R65/7370 R65)
006-8616226	Neodymium Disc Magnet, Countersunk Hole (2 pcs)
006-8624189	M3x0.5x5mm Csk Flathead Screw,Ss (2 pcs)
497-0538275	Faceplate - 7895/7896 Scanner

# Required Tool

- Screwdriver

Installation Procedure

To install the NCR 7895/7896 Scanner Shroud, follow these steps:

1. Shut down the Self-Checkout software and hardware systems.

2. Open the Tower Cabinet. For more information, refer to "**Opening the Tower Cabinet**" on page 50.

3. Remove the existing Scanner/Scale. Depending on the Scanner/Scale and unit configuration, refer to any of the procedures below.
   - "**Removing the 7895 Scanner/Scale from R65 Full Function**" on page 10
   - "**Removing the 7895 Scanner/Scale from R65 Card Only**" on page 14
   - "**Removing the 7879e Scanner/Scale from R65 Full Function**" on page 20
   - "**Removing the 7879e Scanner/Scale from R65 Card Only**" on page 23

4. If replacing the 7895 Scanner/Scale with a 7896 Scanner/Scale, remove the Ferrite Bead from the Scanner/Scale Power cable.

> 📑 **Note**
> The Ferrite Bead is pre-installed on the 7895 Scanner/Scale cable.


Ferrite Bead
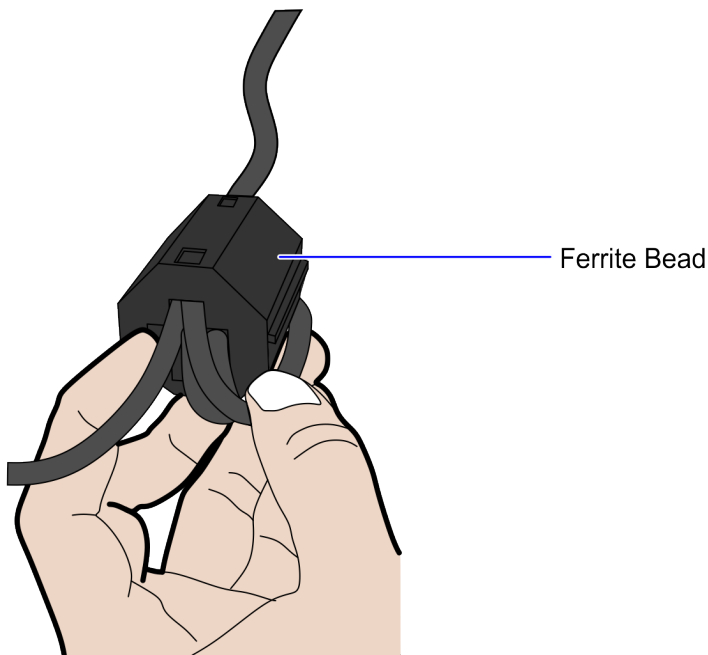
CCP-85753

5. Route the Color Camera cable. Depending on the Scanner/Scale, refer to either of the procedures below.
   - "**Routing the 7896 Scanner/Scale Color Camera Cable**" on page 26
   - "**Routing the 7895 Scanner/Scale Color Camera Cable**" on page 31

6. Install the Scanner/Scale. Depending on the Scanner/Scale and Self-Checkout unit, refer to the corresponding sections below.
   - "**Installing the 7896 Scanner/Scale in R65 Full Function unit**" on page 36
   - "**Installing the 7896 Scanner/Scale in R65 Card Only unit**" on page 38
   - "**Installing the 7895 Scanner/Scale in R65 Full Function unit**" on page 40
   - "**Installing the 7895 Scanner/Scale in R65 Card Only unit**" on page 45

7. Install the Scanner Shroud by doing the following:
   a. Align the bottom hooks with the corresponding studs on the Tower Cabinet.

   b. Lower the Scanner Shroud to engage the hooks to the corresponding four (4) studs on the Tower Cabinet, as shown in the images below.
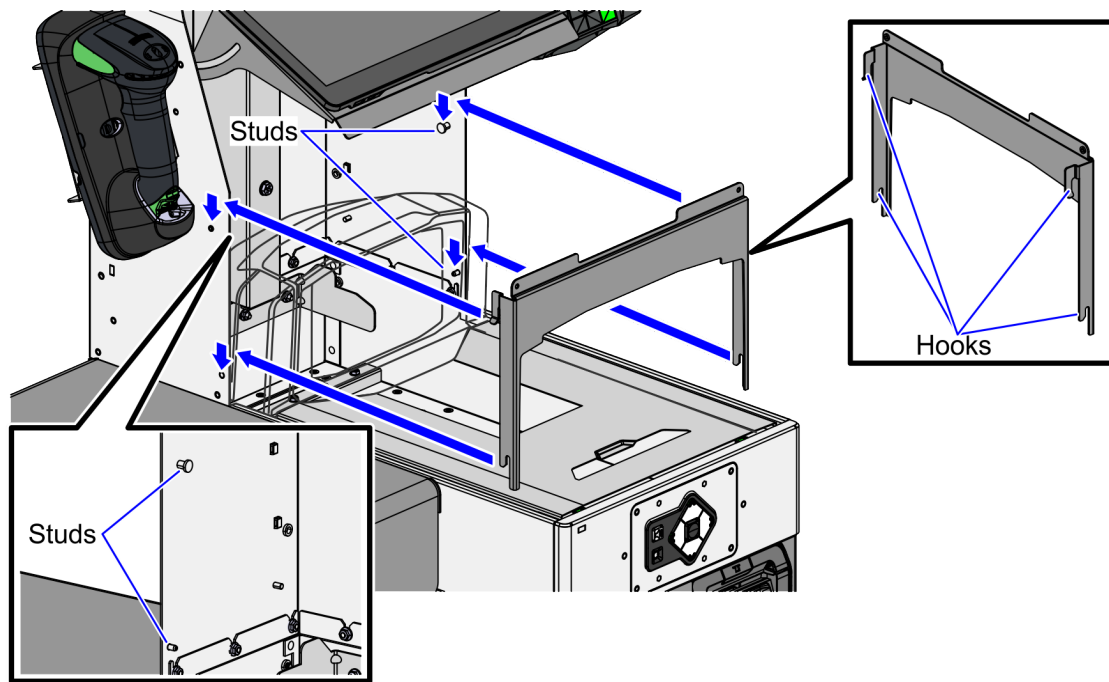
   > **Note**
   > The images below show a 7895 Scanner/Scale for reference only.

NCR Voyix FastLane SelfServ™ Checkout (7360) R65 Full Function
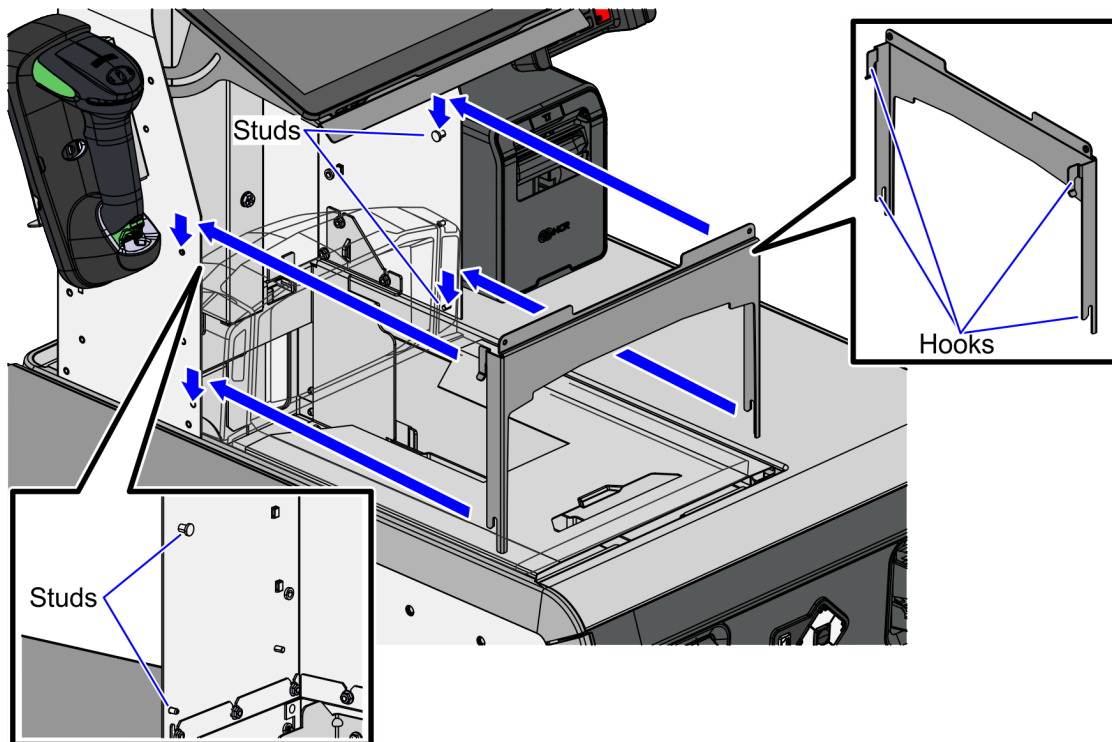
CCP-85845

NCR Voyix FastLane SelfServ™ Checkout (7360) R65 Card Only

Studs

Hooks

Studs

CCP-85846

> 📋 **Note**
>
> Once installation is complete, ensure that devices are working properly by powering up the NCR Voyix FastLane SelfServ™ Checkout (7360) software and hardware systems.

Removing the 7895 Scanner/Scale from R65 Full Function

To remove the NCR 7895 Scanner/Scale from the R65 Full Function unit, follow these steps:

1. Open the Tower Cabinet. For more information, refer to "**Opening the Tower Cabinet**" on page 50.

2. Lift the Scanner Shroud and slide out to unhook from four (4) studs on the Tower Cabinet, as shown in the image below.

> **Note**
> The 7895 Scanner Shroud is different from the 7879 Scanner Shroud.
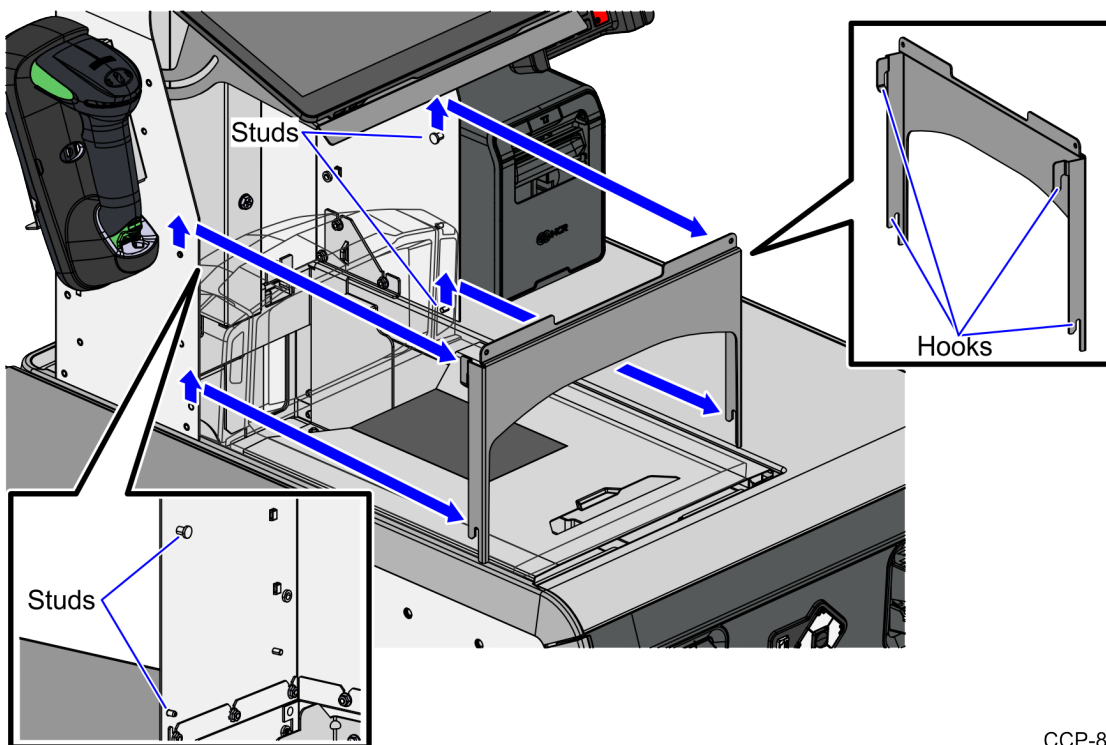
CCP-81933

3. Remove the Scanner/Scale Top Plate by doing the following:
   a. Slightly lift up the front edge of the Top Plate and slide the Top Plate forward until its hooks are released from the positioning tabs on the scale.
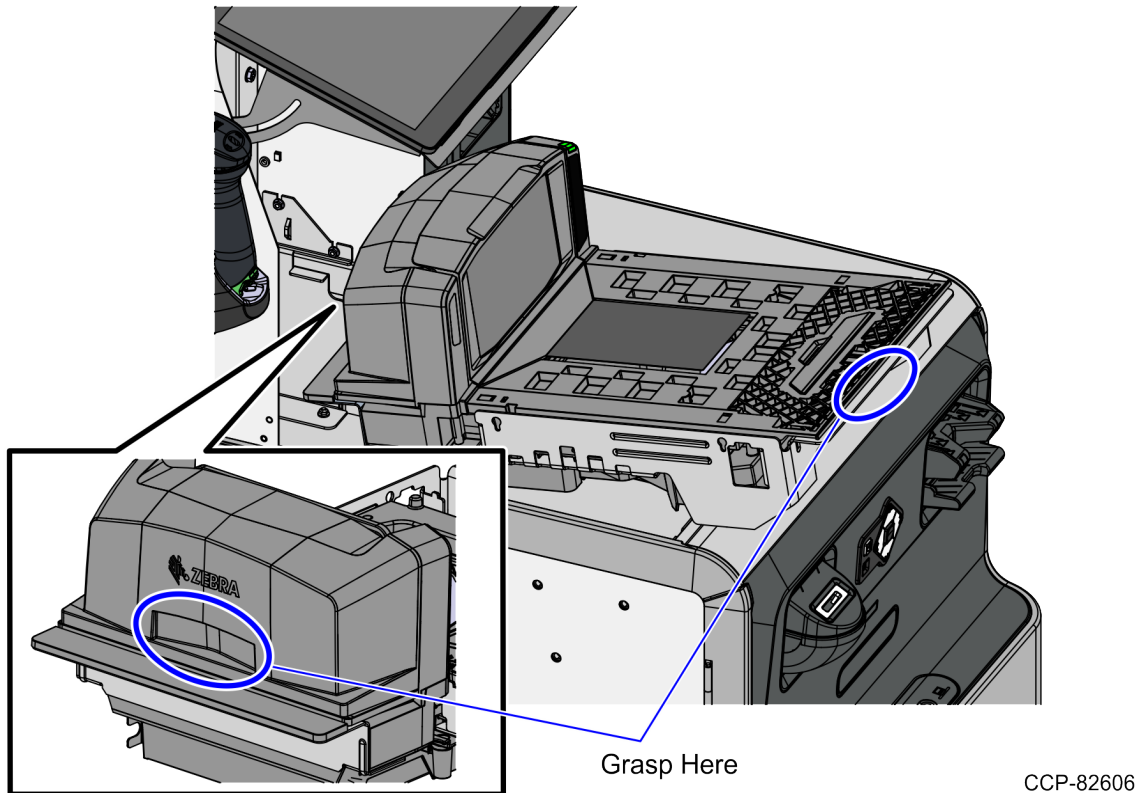
CCP-80081

   b. Hold the front edge and the top of the Top Plate to pull lift it off the Scanner/Scale.

Top
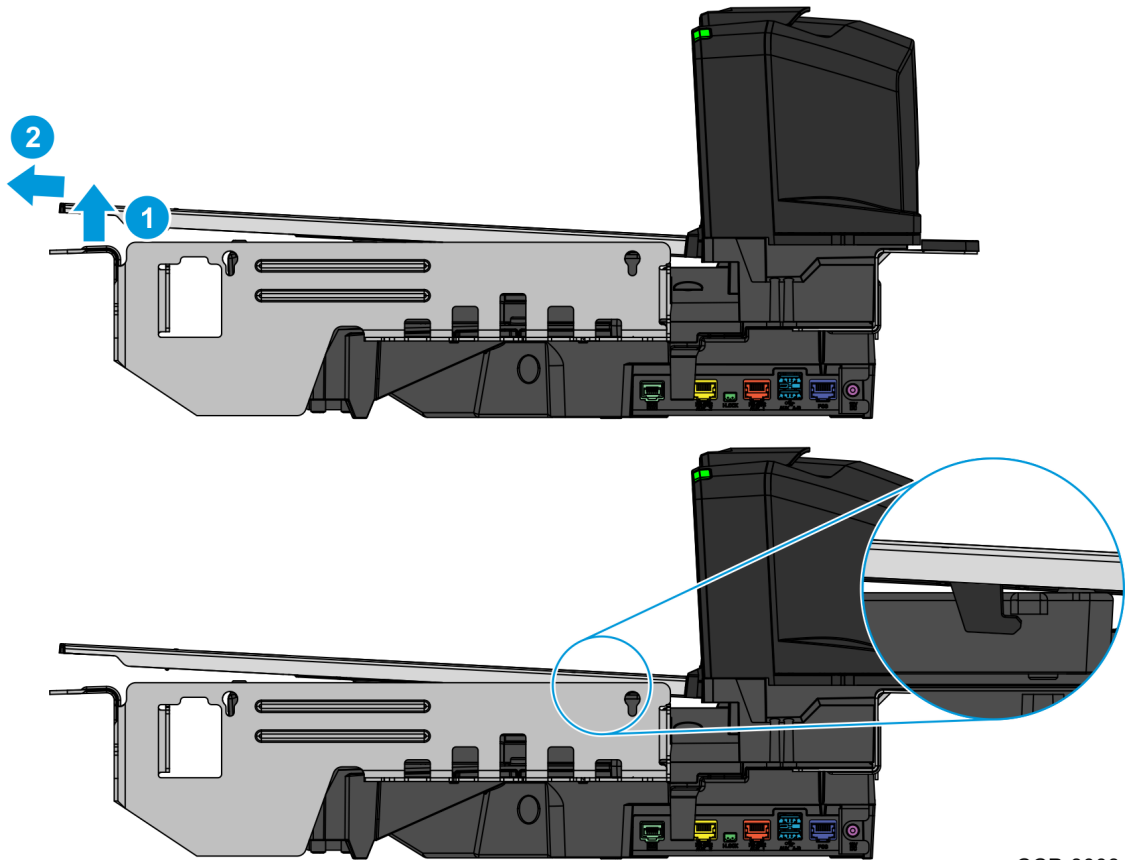
Front Edge
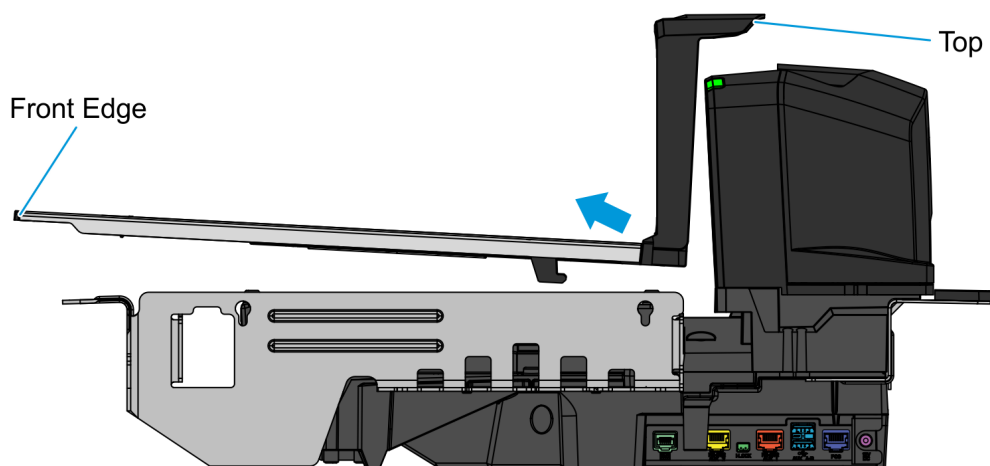
CCP-80080

4. Grasp the front and back of the Scanner/Scale and lift it out of the Scanner Bucket, as shown in the image below.

Grasp Here

CCP-82606

5. Disconnect cables from the Scanner/Scale.
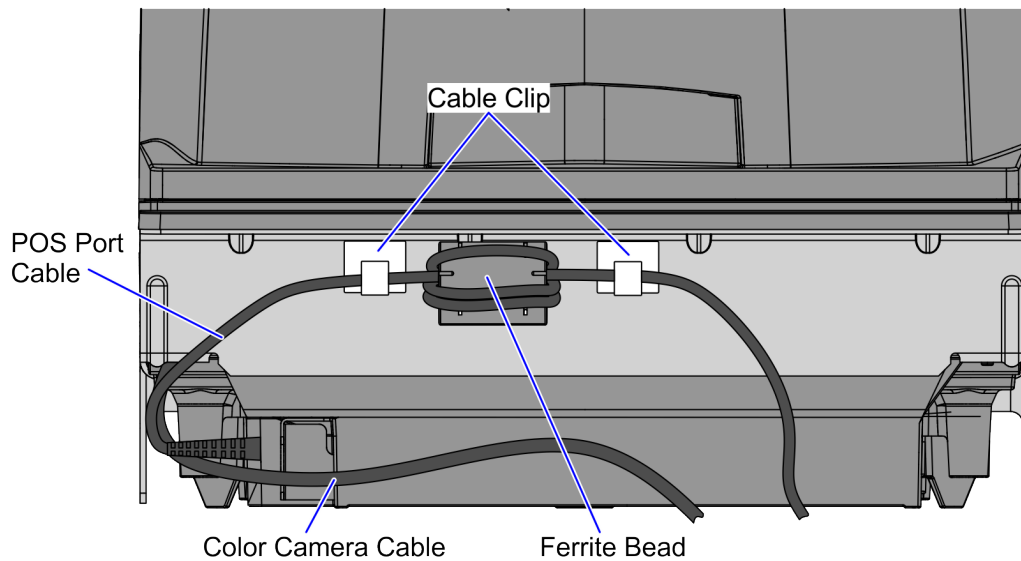
    📝 Note

    If removing Scanner/Scale with Sensormatic® features, remove the Sensormatic® Interface cable.

    💡 Tip

    Mark all cables as to where they are connected to quickly determine the corresponding port when reconnecting the cables.

6. Remove the POS Port cable from the cable clips at the back of the Scanner/Scale, as shown in the image below.
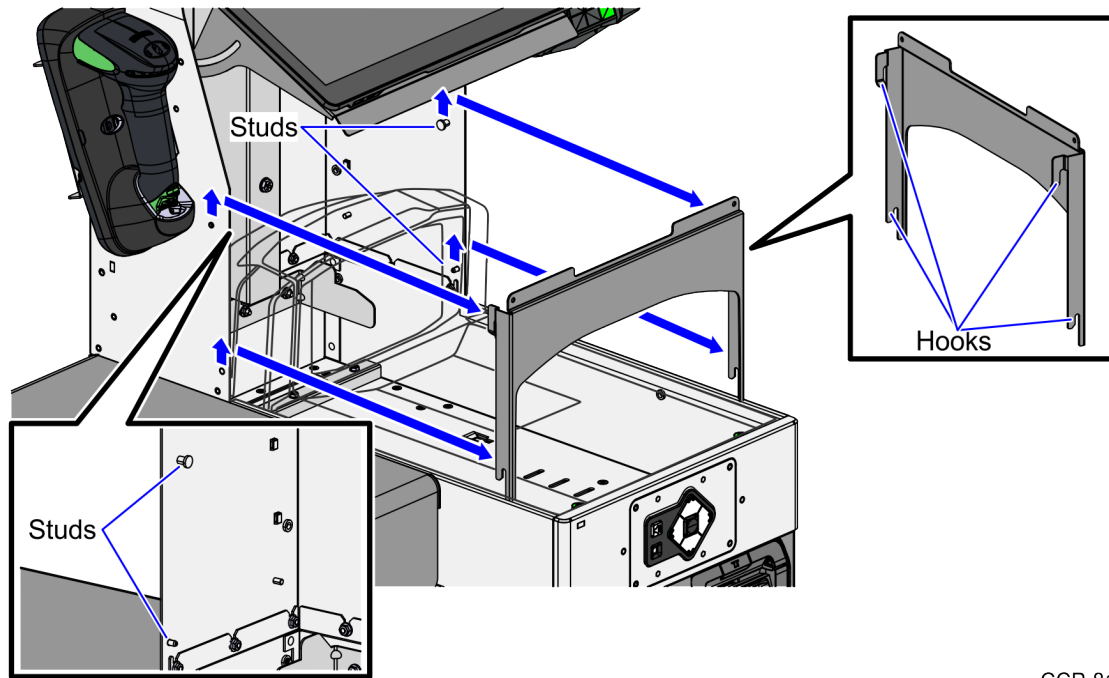

CCP-81947

# Removing the 7895 Scanner/Scale from R65 Card Only

To remove the 7895 Scanner/Scale from the R65 Card Only unit, follow these steps:

1. Lift the Scanner Shroud to unhook from four (4) studs on the Tower Cabinet, as shown in the image below.

CCP-81943

2. Remove the Scanner/Scale Top Plate by doing the following:
   a. Slightly lift up the front edge of the Top Plate and slide the Top Plate forward until its hooks are released from the positioning tabs on the scale.
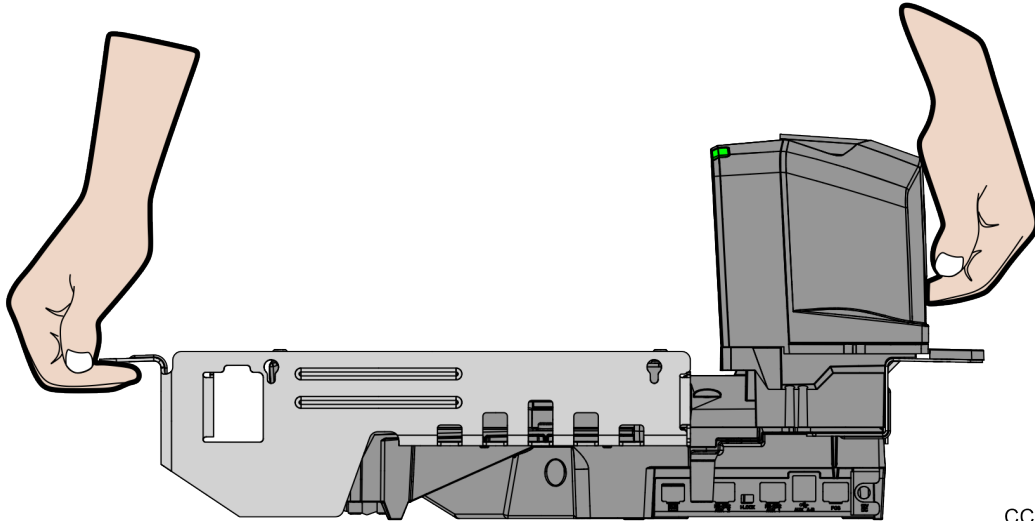
CCP-80081

   b. Hold the front edge and the top of the Top Plate to pull lift it off the Scanner/Scale.
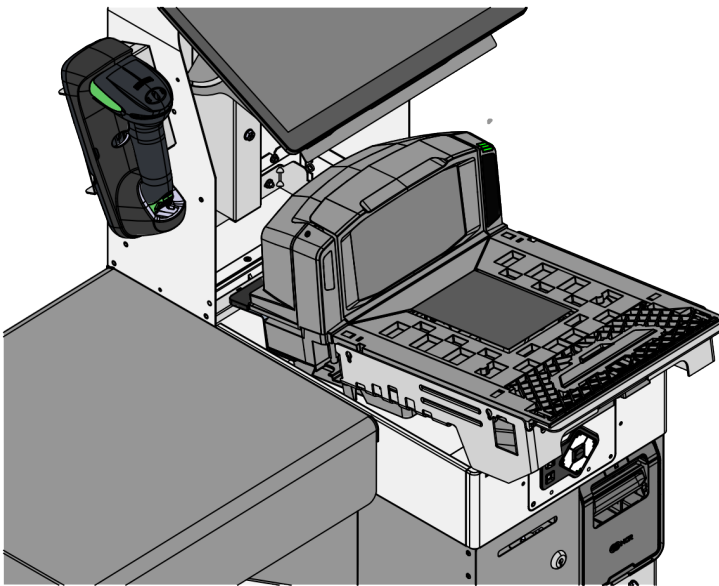
Top
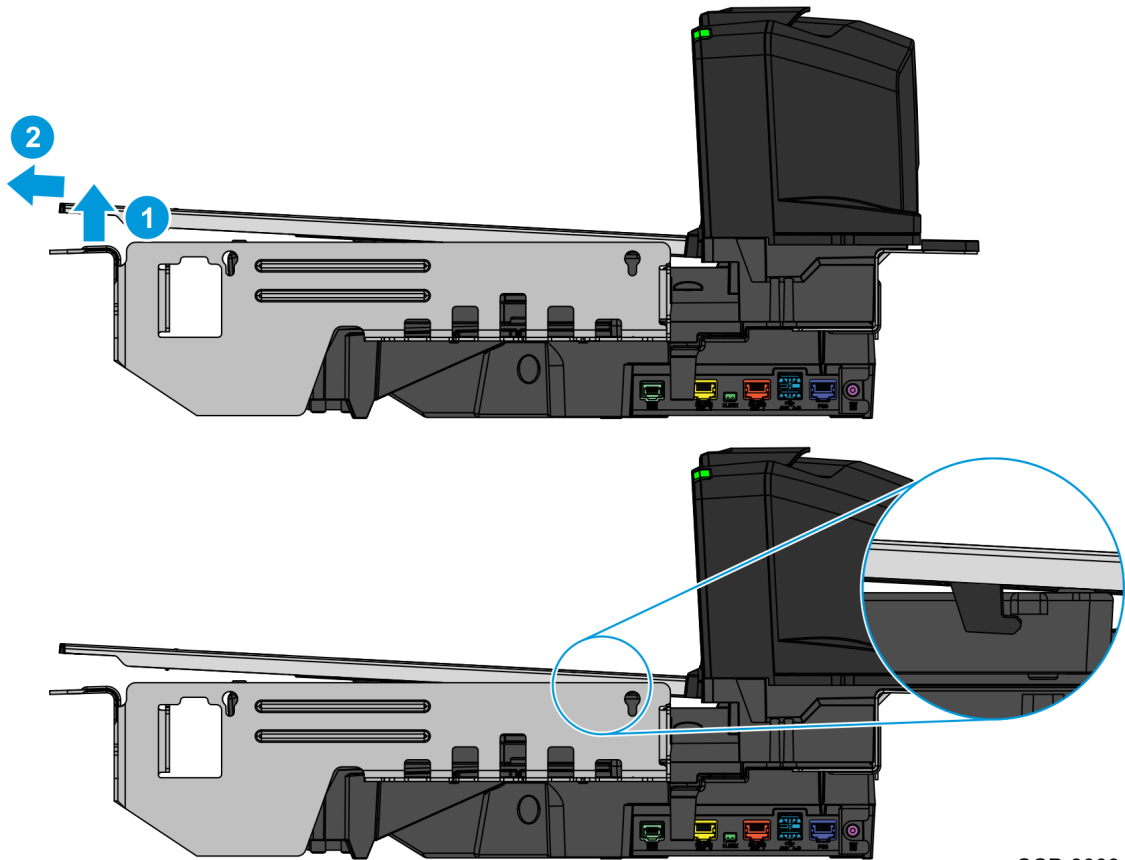
Front Edge
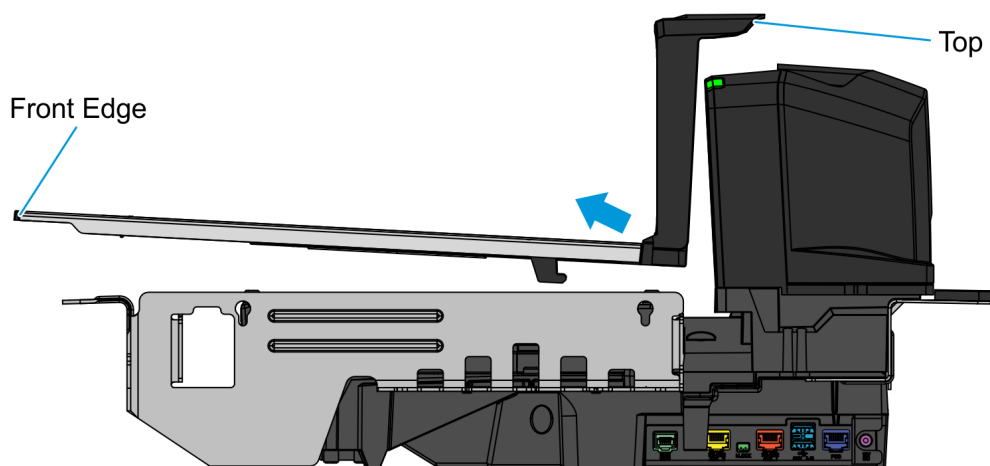
CCP-80080

3. Place the Scanner/Scale into the scanner bucket by doing the following:
   a. Hold the support handles on the front and back of the Scanner/Scale.

CCP-81944

   b. Slightly tilt the Scanner/Scale to lift it out of the scanner bucket, as shown in the image below.

CCP-81377

4. Disconnect cables from the Scanner/Scale.

> **📄 Note**
> If removing a Scanner/Scale with Sensormatic features, remove the Sensormatic Interface cable.

> **💡 Tip**
> Mark all cables as to where they are connected to quickly determine the corresponding port when reconnecting the cables.
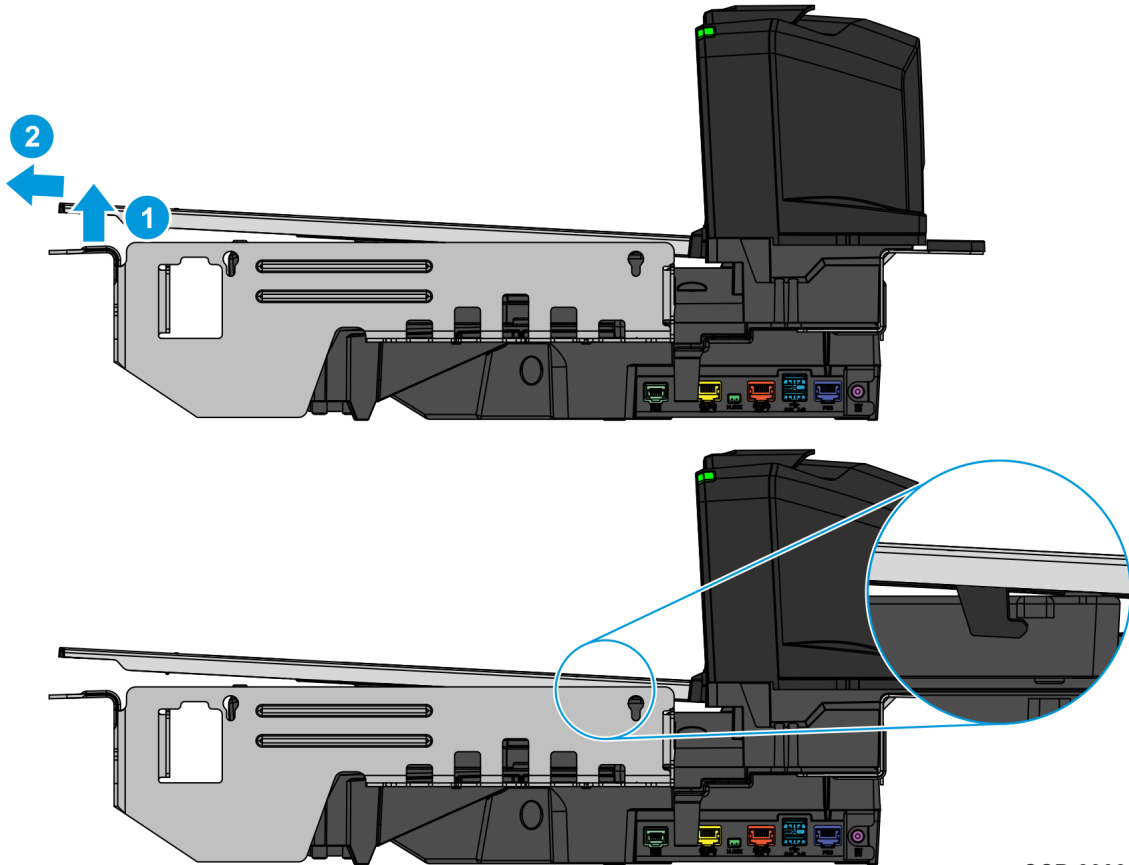
Removing the 7895 Scanner/Scale Top Plate

Depending on the type of 7895 Scanner, refer to either of the following procedures to remove the Top Plate:

- "**7895 Scanner/Scale**" on the next page
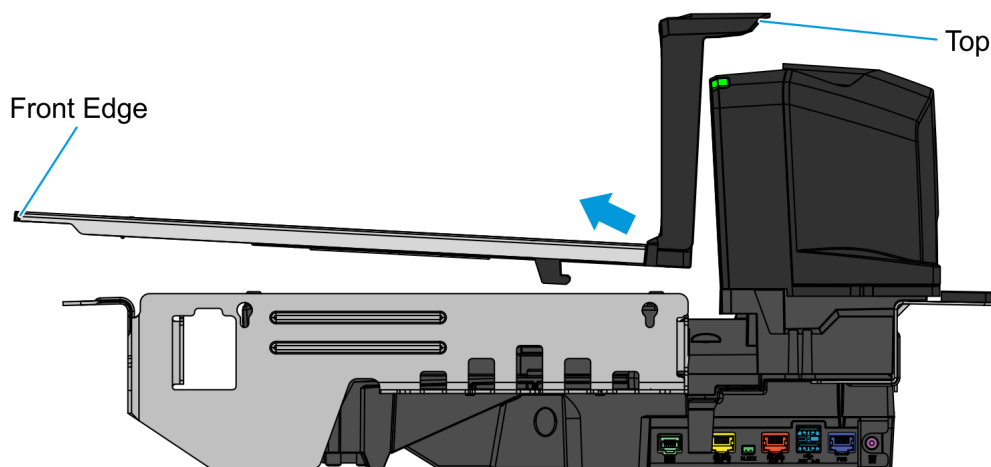- "**7895 Scanner (non-scale)**" on page 19

7895 Scanner/Scale

1. Slightly lift up the front edge of the Top Plate and slide the Top Plate forward until its hooks are released from the positioning tabs on the scale.
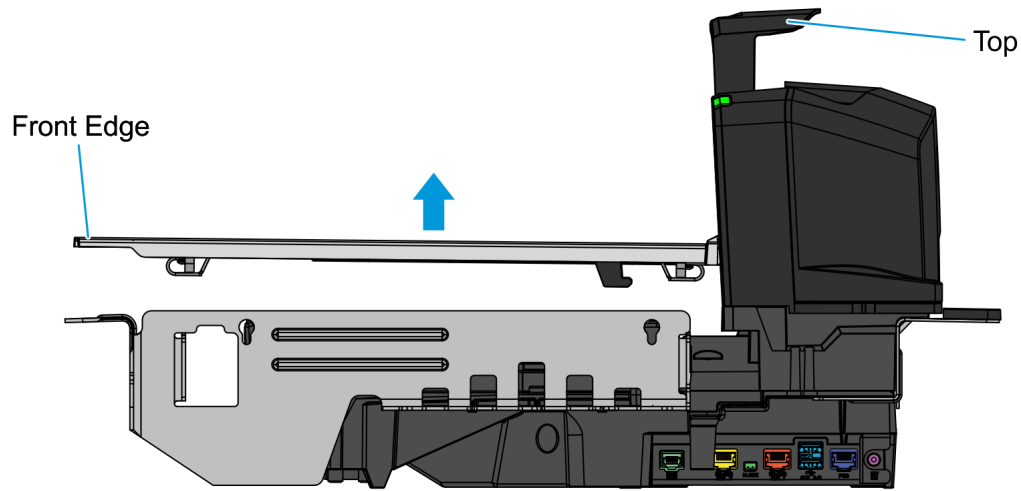
CCP-80081

2. Hold the front edge and the top of the Top Plate to pull lift it off the Scanner/Scale.

Top

Front Edge

CCP-80080

7895 Scanner (non-scale)

Hold the front edge and the top of the Top Plate to pull and lift it away from the Scanner.

Top

Front Edge

CCP-80044

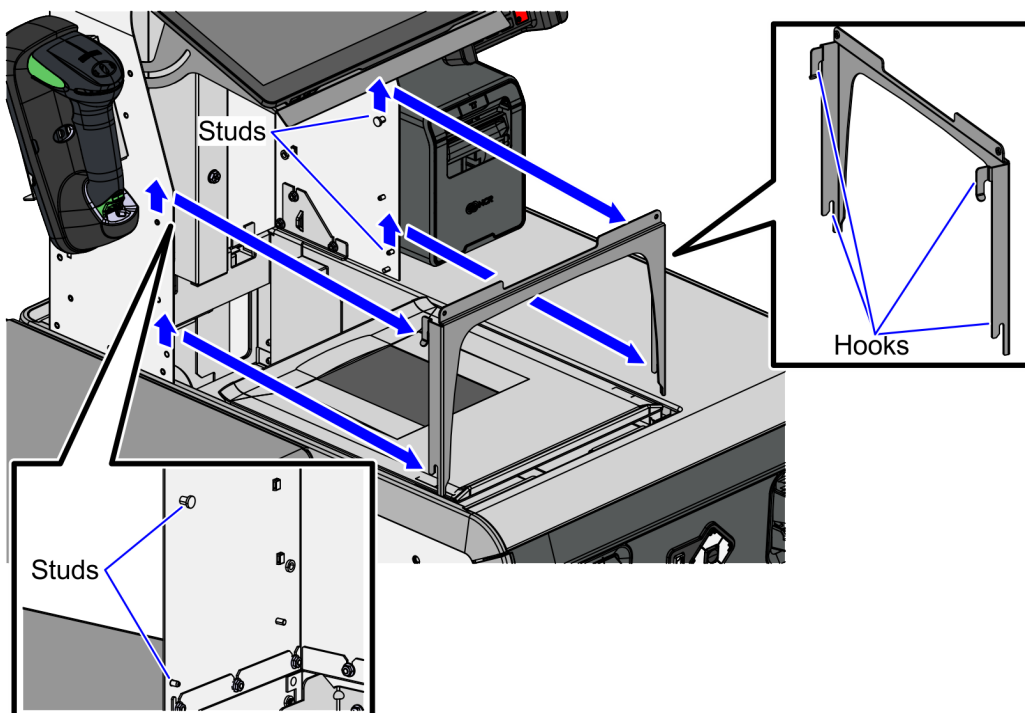# Removing the 7879e Scanner/Scale from R65 Full Function

To remove the NCR RealScan™ 79e Scanner/Scale (7879e), follow these steps:

1. Lift the Scanner Shroud and slide out to unhook from four (4) studs on the Tower Cabinet, as shown in the image below.
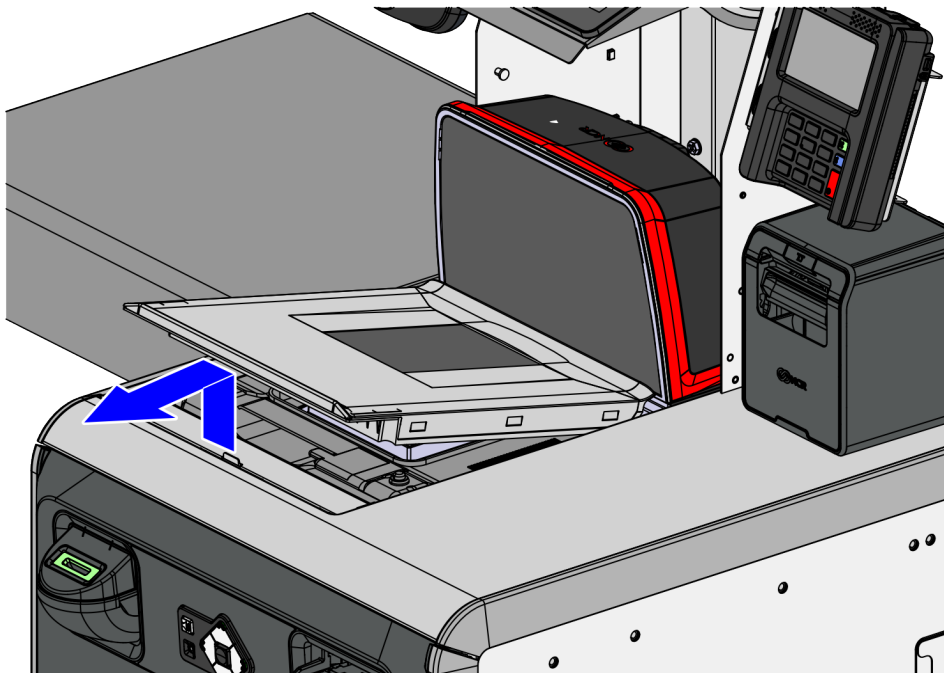
> 📝 **Note**
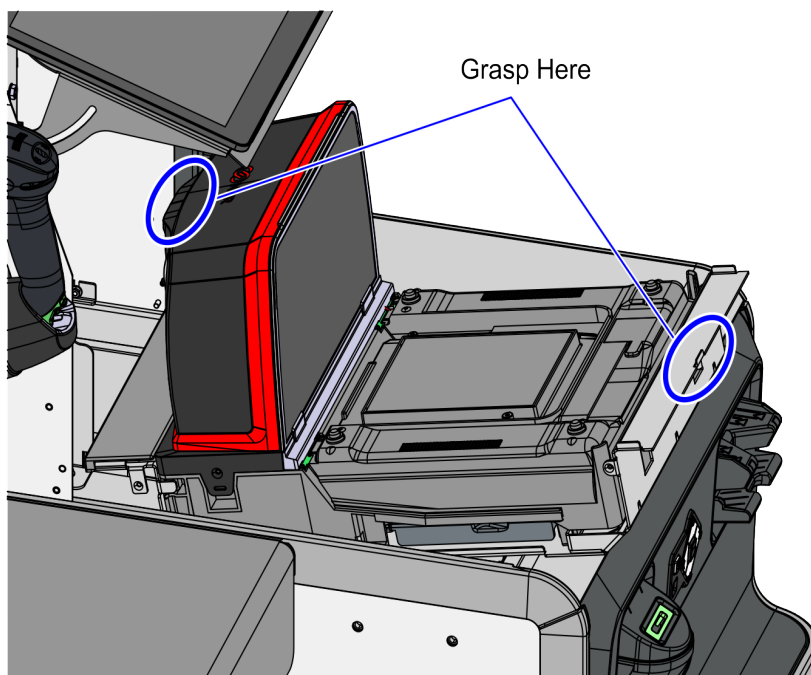> The 7879 Scanner Shroud is different from the 7895 Scanner Shroud.

CCP-81938

2. Remove the Scanner/Scale Top Plate.

CCP-81939

3. Grasp the front and back of the Scanner/Scale and lift it out of the scanner bucket, as shown in the image below.

Grasp Here

CCP-81940

4. Disconnect the cables from the Scanner/Scale.

> **Note**
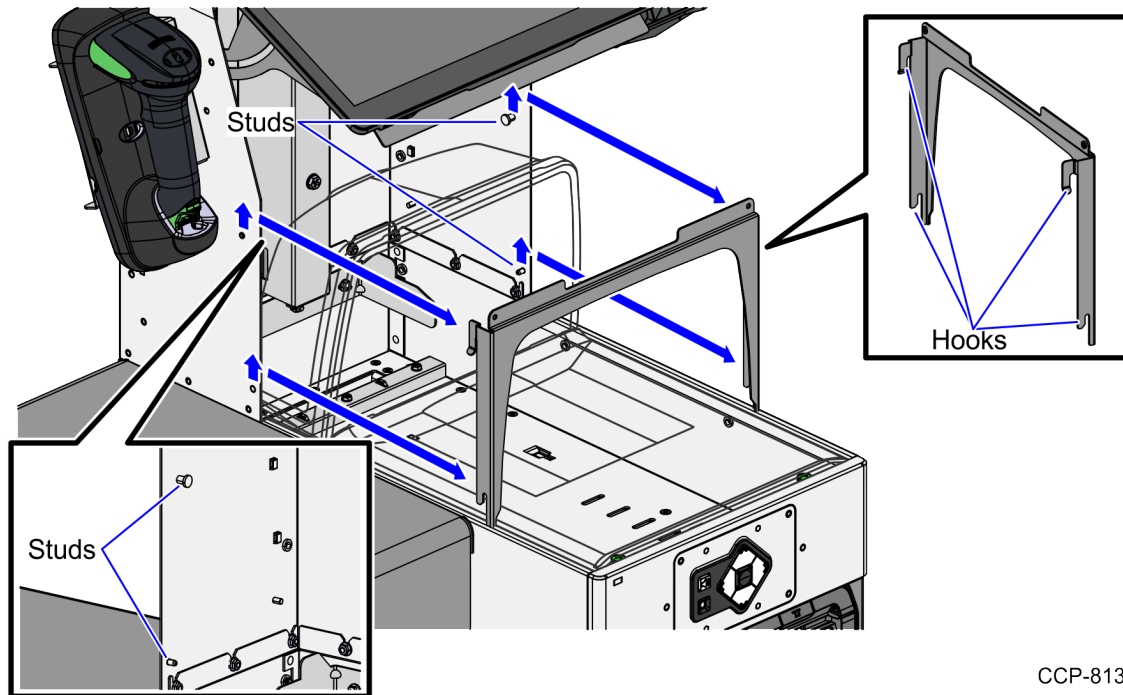> If removing a Scanner with Sensormatic® features, remove the Sensormatic Interface cable.

> **Tip**
> Mark all cables as to where they are connected to quickly determine the corresponding port when reconnecting the cables.

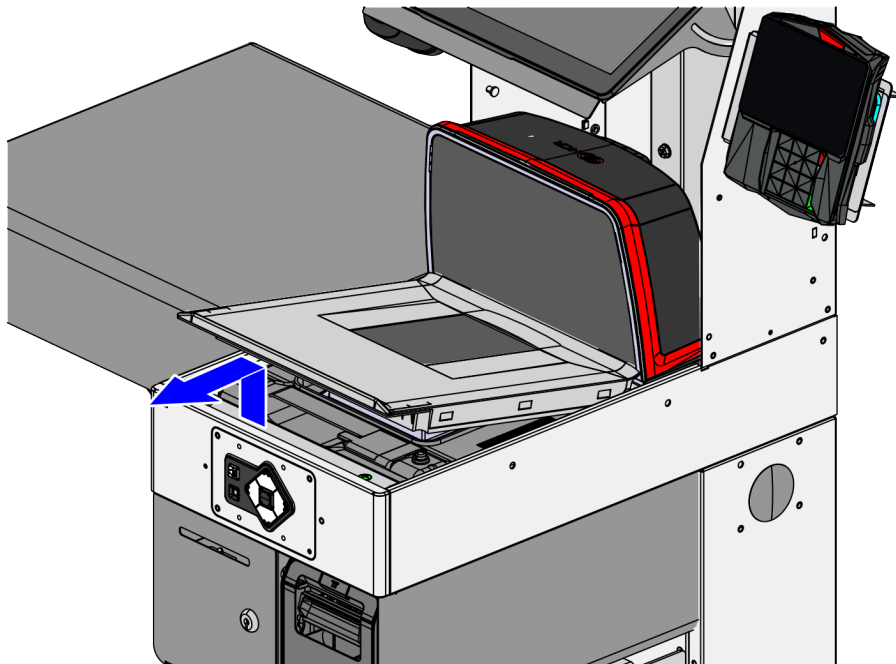# Removing the 7879e Scanner/Scale from R65 Card Only

To remove the 7879e Scanner/Scale from the R65 Card Only unit, follow these steps:

1. Lift the Scanner Shroud to unhook from four (4) studs on the Tower Cabinet, as shown in the image below.
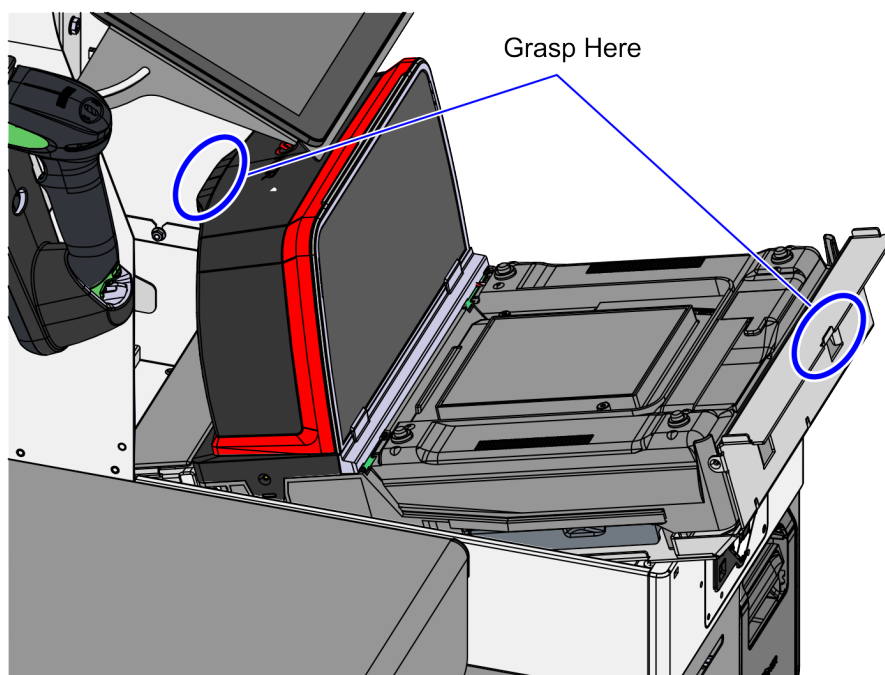

CCP-81371

2. Remove the Scanner/Scale Top Plate.

CCP-81375

3. Grasp the front and back of the Scanner/Scale and lift it out of the scanner bucket, as shown in the image below.

Grasp Here

CCP-81373

4. Disconnect the cables from the Scanner/Scale.

> **Note**
> If removing a Scanner with Sensormatic® features, remove the Sensormatic Interface cable.

> **Tip**
> Mark all cables as to where they are connected to quickly determine the corresponding port when reconnecting the cables.

Routing the 7896 Scanner/Scale Color Camera Cable

The Color Camera USB Cable is not shipped with the 7896 Scanner/Scale unit. It is purchased separately and needs to be installed during the initial setup of the unit. To install the Color Camera USB Cable, follow these steps:

> **Note**
> When routing cables, ensure that the 7896 Color Camera cable is as far as possible from the Sensormatic® cables to avoid signal interference between the Sensormatic® EAS system and the Color Camera.

1. Using a cable tie, attach the 7896 Color Camera cable to a lance bridge on the right side of the Tower Cabinet, as shown in the image below.

   > **Tip**
   > Using the lance bridge as reference point, measure at least 32 inches from the USB-C connector end of the cable to determine the point of the cable to attach to the Tower Cabinet.


Scanner/Scale Color Camera Cable

CCP-85765
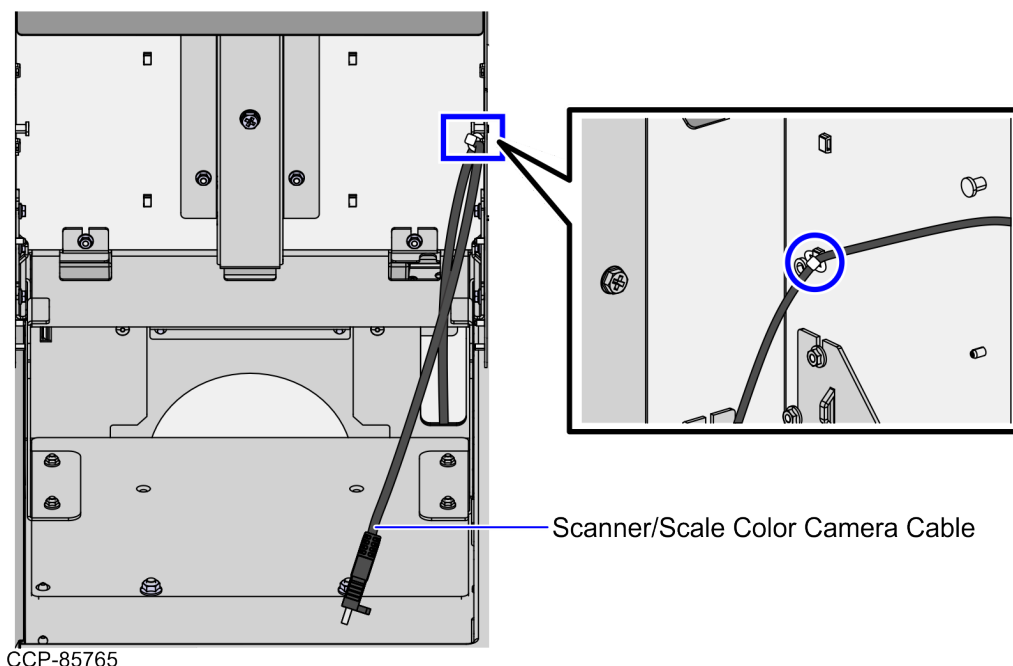
2. From the Scanner Bucket, do the following:
   a. Route the USB-A end of the 7896 Color Camera cable through the cable access hole, as shown on the image below.

Scanner/Scale Color Camera Cable

Cable Access Hole

CCP-85766
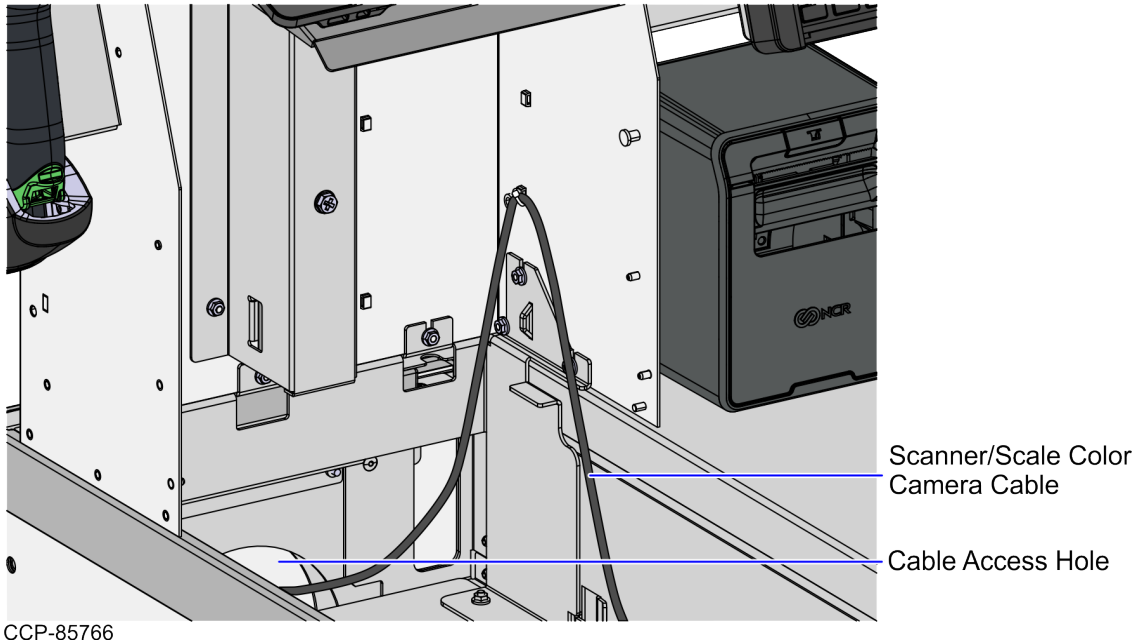
   b. Using two (2) cable ties, bundle excess cable at the cable access hole, as shown in the image below.

Bundled Excess Cable
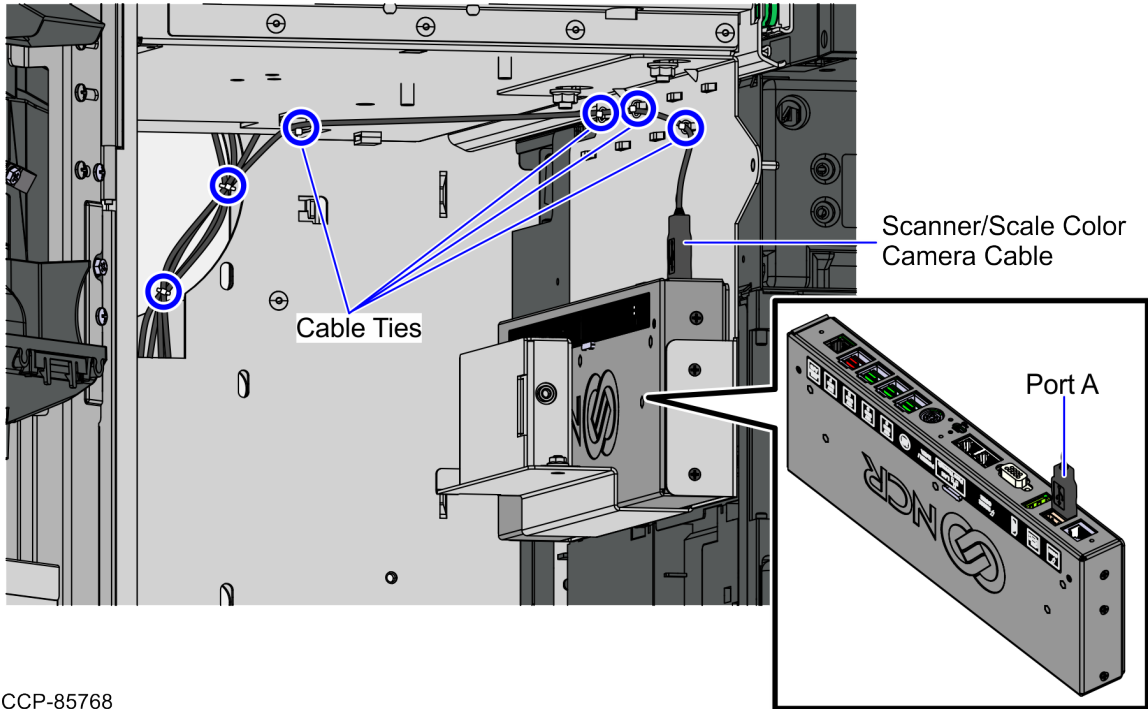
Cable Access Hole

CCP-85844
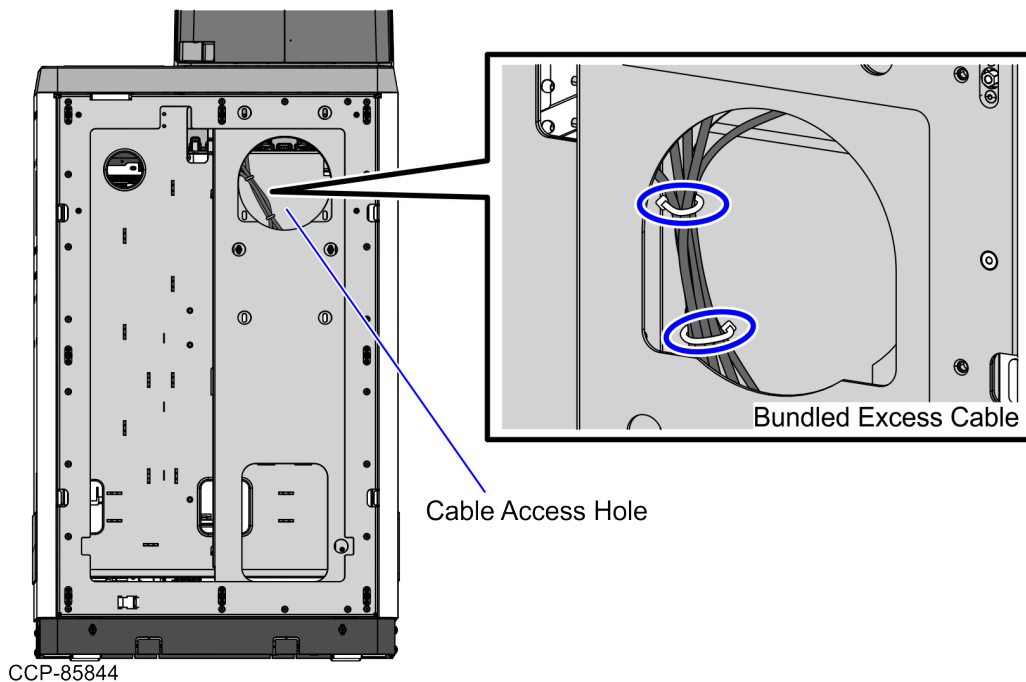
   c. Pass the cable down and into the Core Cabinet.

3. From the rear of the Core Cabinet, do the following:

> **Note**
> Apply enough slack to the cables so that they can move with the Terminal Display.

a. Route the cable to the Retail I/O Box.

b. Secure the cables with cable ties.

c. Connect the cable to the **Retail I/O USB 3.0 Port A**.

CCP-85768

4. Connect the cables to the 7896 Scanner/Scale by doing the following:

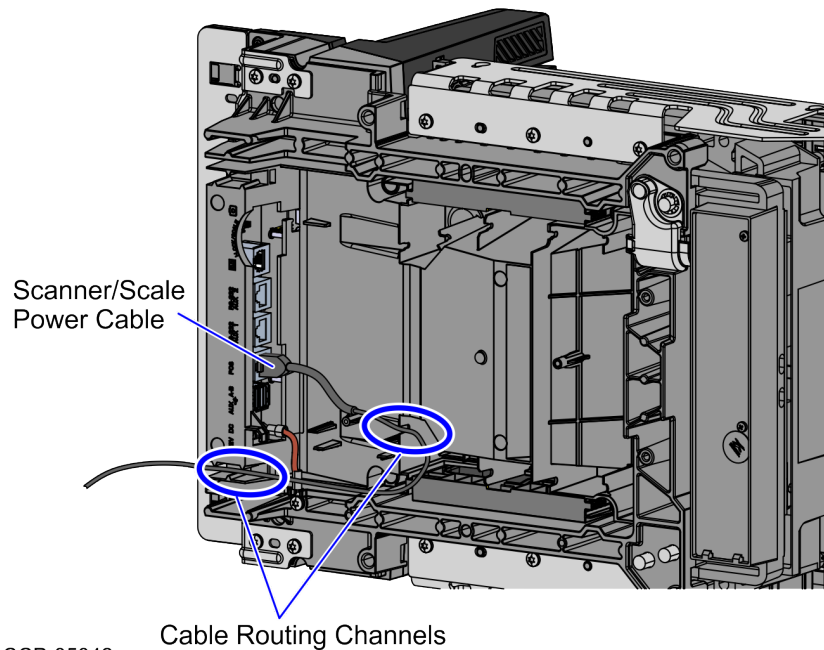   a. Plug the Color Camera cable to the 7896 Scanner/Scale USB Type C port.
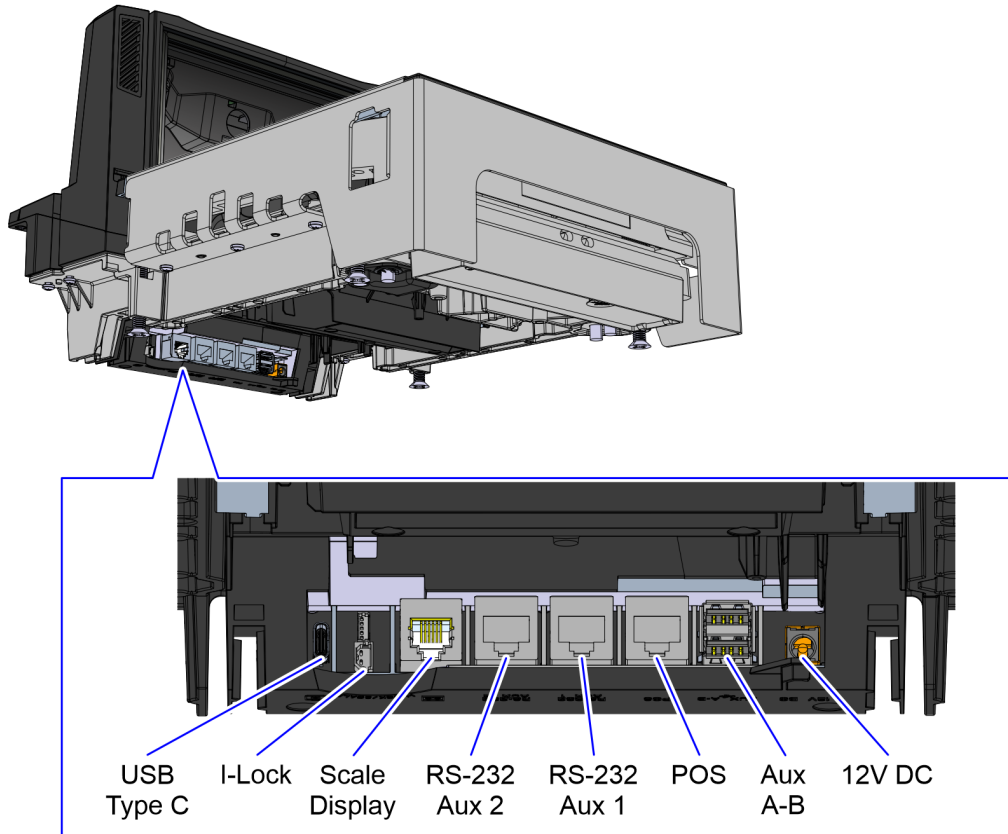
CCP-83980

b. Route the Color Camera cable through the cable routing channels under the Scanner/Scale, as shown in the image below.

Cable Routing Channels

7896 Color
Camera Cable
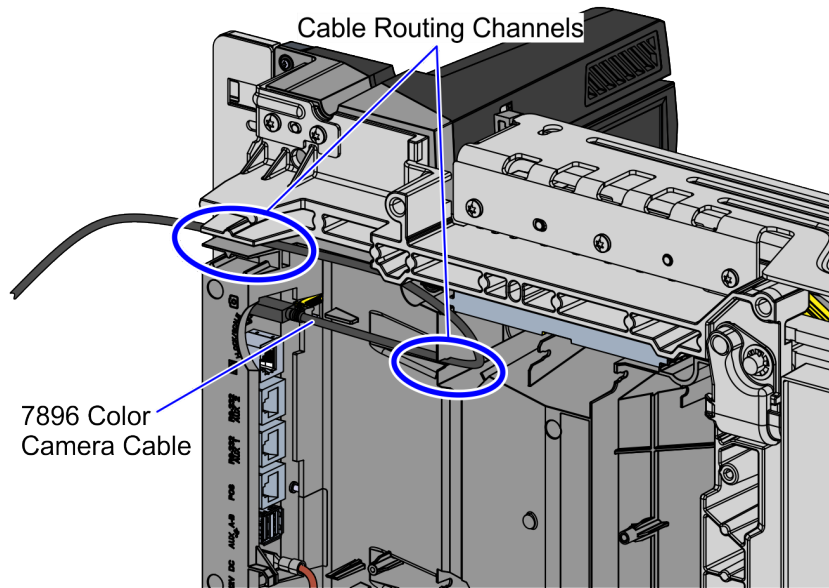
CCP-85769

c. Plug the Power cable to the 7896 Scanner/Scale POS port.

d. Route the Power cable through the cable routing channels under the Scanner/Scale, as shown in the image below.

Scanner/Scale
Power Cable

Cable Routing Channels

CCP-85842

# Routing the 7895 Scanner/Scale Color Camera Cable

The Color Camera USB Cable is not shipped with the 7895 Scanner/Scale unit. It is purchased separately and needs to be installed during the initial setup of the unit. To install the Color Camera USB Cable, follow these steps:

1. Using your thumb, lift the center of the Tower Cover to disengage and remove it from the tower housing.
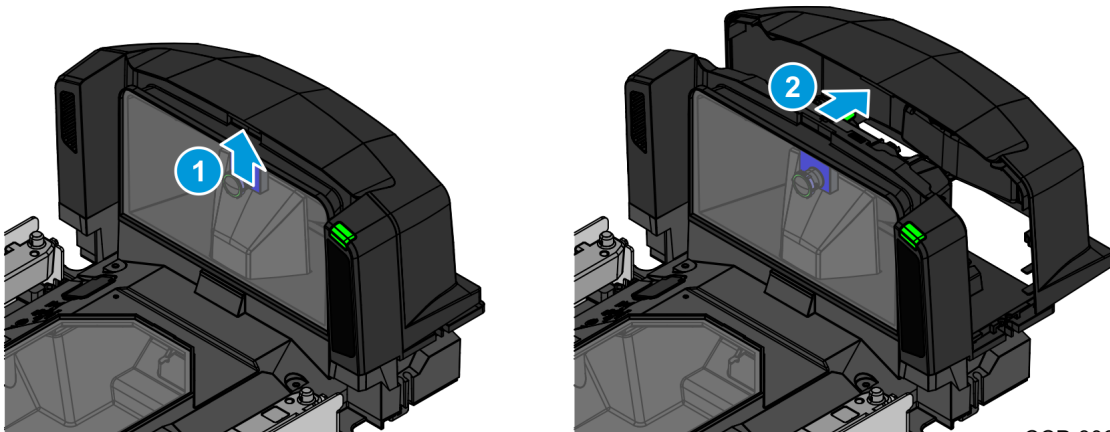
CCP-80634

2. Secure the ferrite of the Color Camera cable to the tower housing by doing the following

   a. Insert the locking head of the cable tie into the slot of the channel feature in the scanner tower.

   b. Push the ferrite all the way in by sliding the head of the cable tie through the slot.
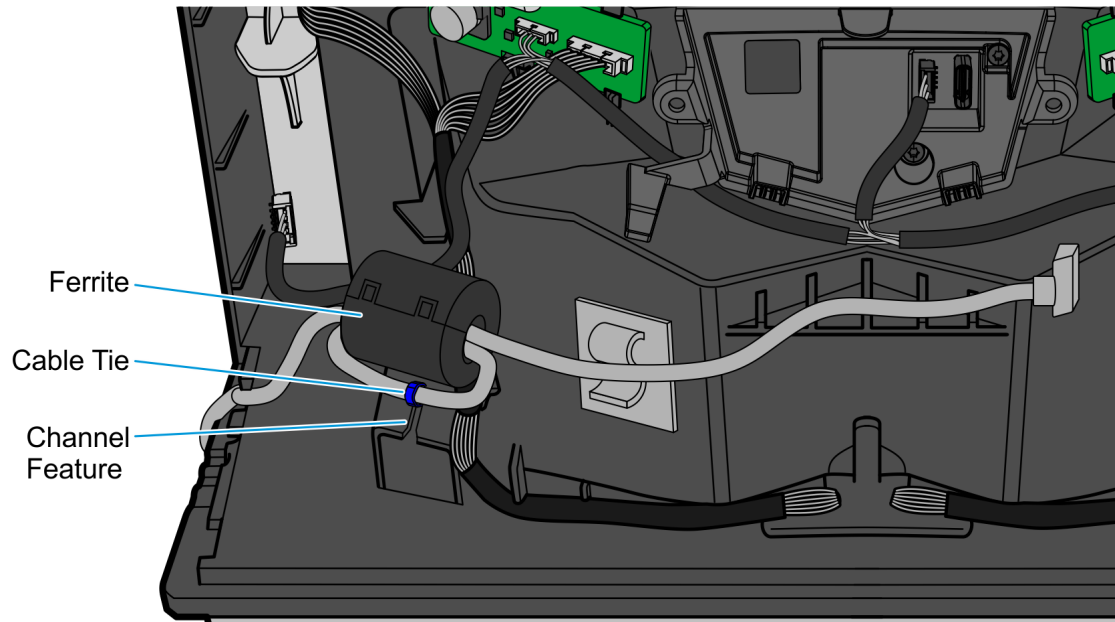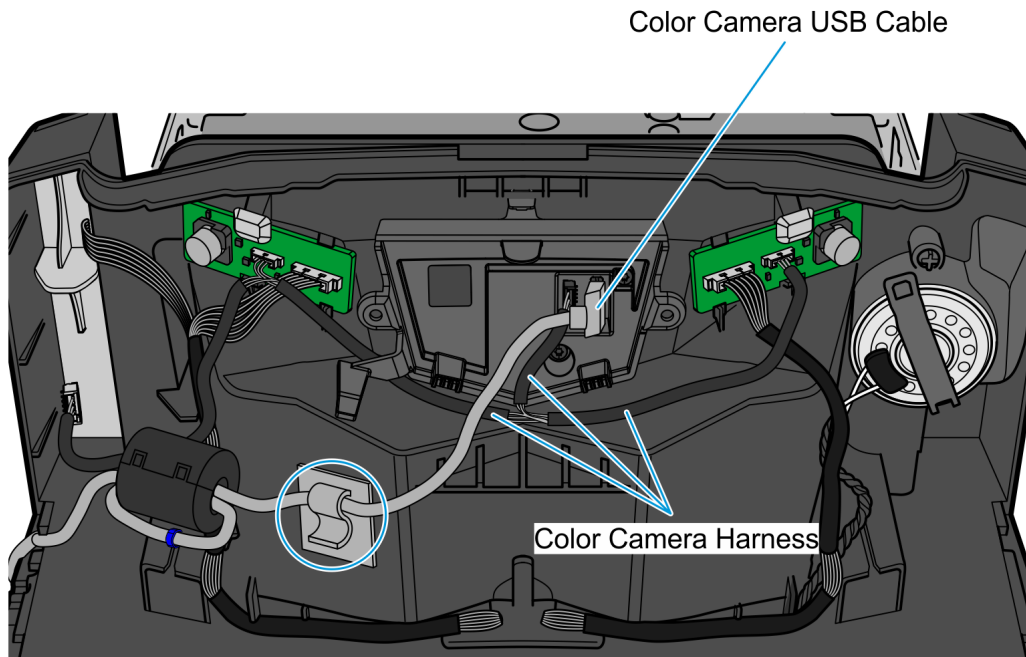

CCP-80962

3. Route the Color Camera cable by doing the following:
   a. Route the cable under the retainer tab.
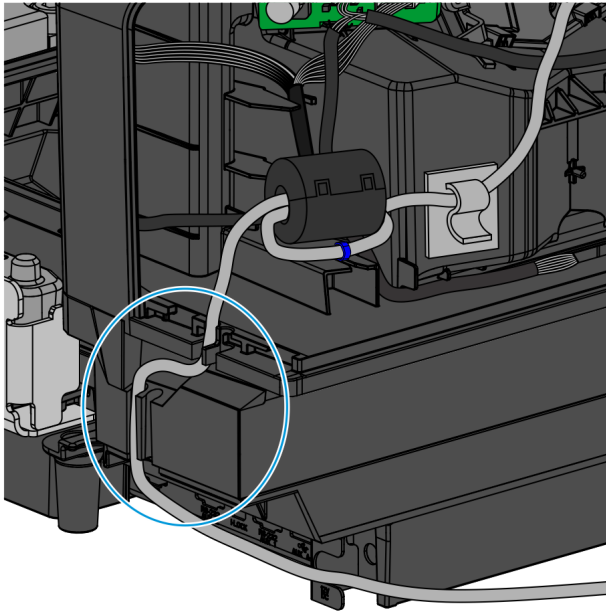   b. Connect the cable to the Color Camera Assembly, as shown in the image below.

> 📝 **Note**
>
> - Ensure that no strain is applied on the USB connector. This connector can easily break under load.
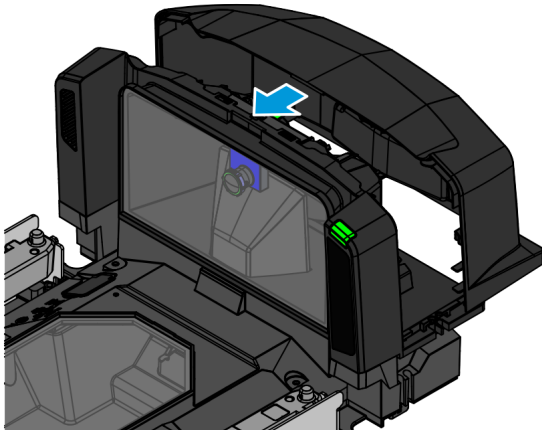> - Ensure that the USB Cable is not touching the Color Camera Harness.

Color Camera USB Cable

Color Camera Harness

CCP-80963

4. Route the USB Cable through the cable exit slot on the side of the tower.

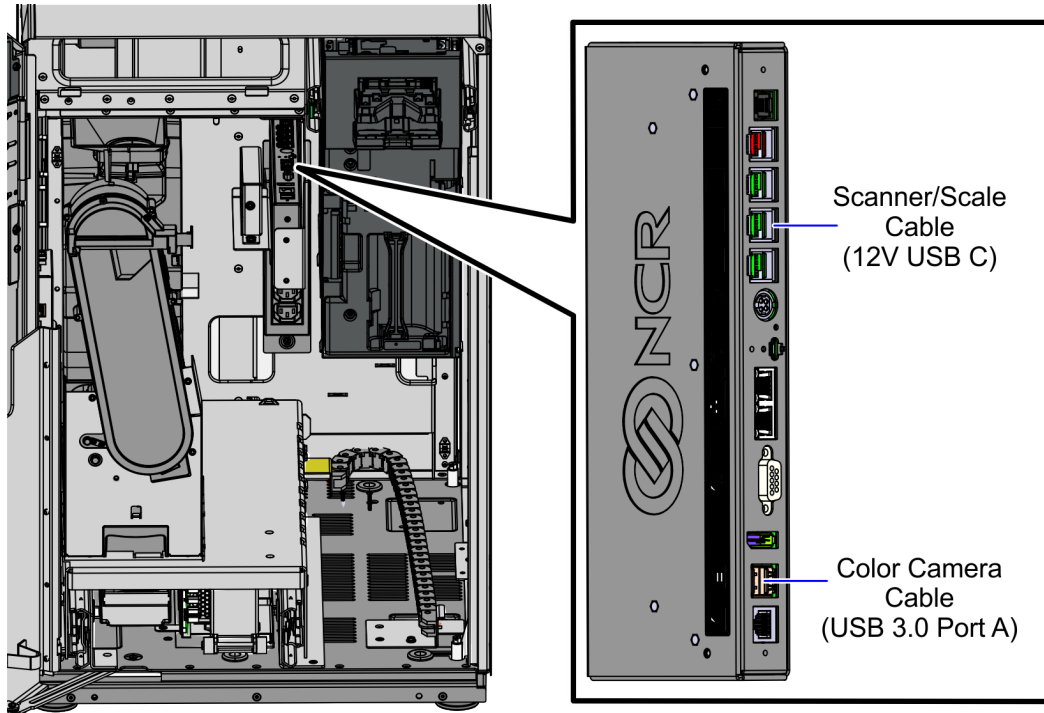5. Install the Tower Cover by sliding it onto the back of the tower housing until it snaps in place.
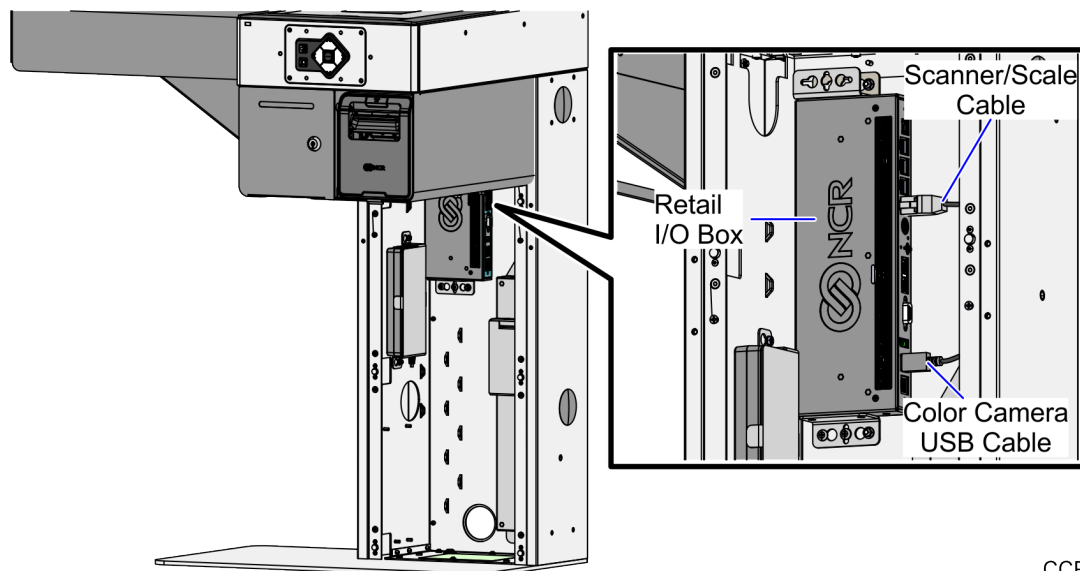
6. Connect the USB Camera cable into the Retail I/O Box (USB 3.0 Port A).

> **Note**
> The Color Camera USB cable is pre-routed in the R6-C unit and plugged into the Retail I/O Box after installation of the Scanner/Scale.
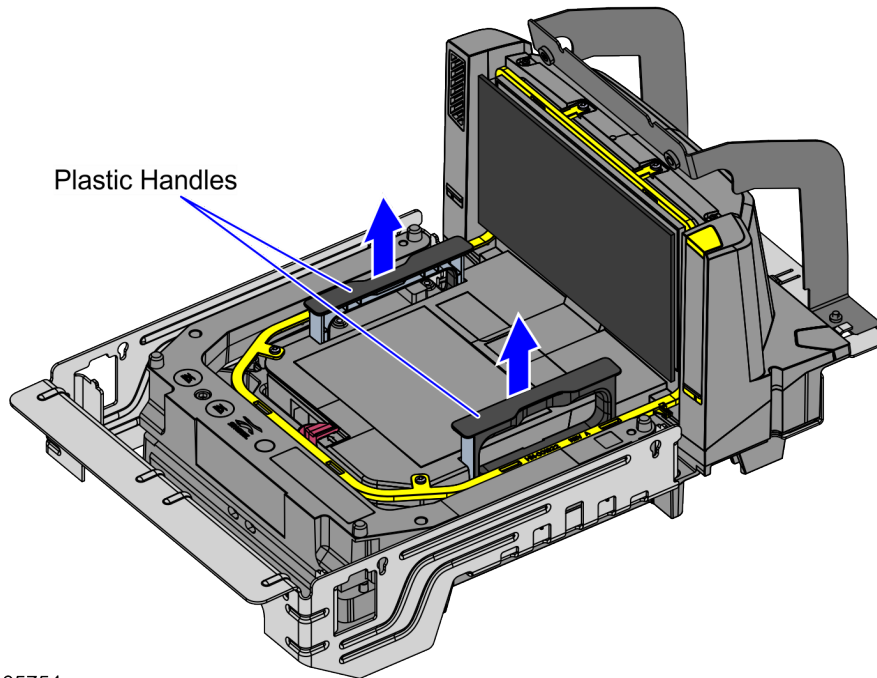
R65 Full Function

Scanner/Scale
Cable
(12V USB C)

Color Camera
Cable
(USB 3.0 Port A)

CCP-82069

R65 Card Only

Scanner/Scale
Cable

Retail
I/O Box

Color Camera
USB Cable

CCP-81946

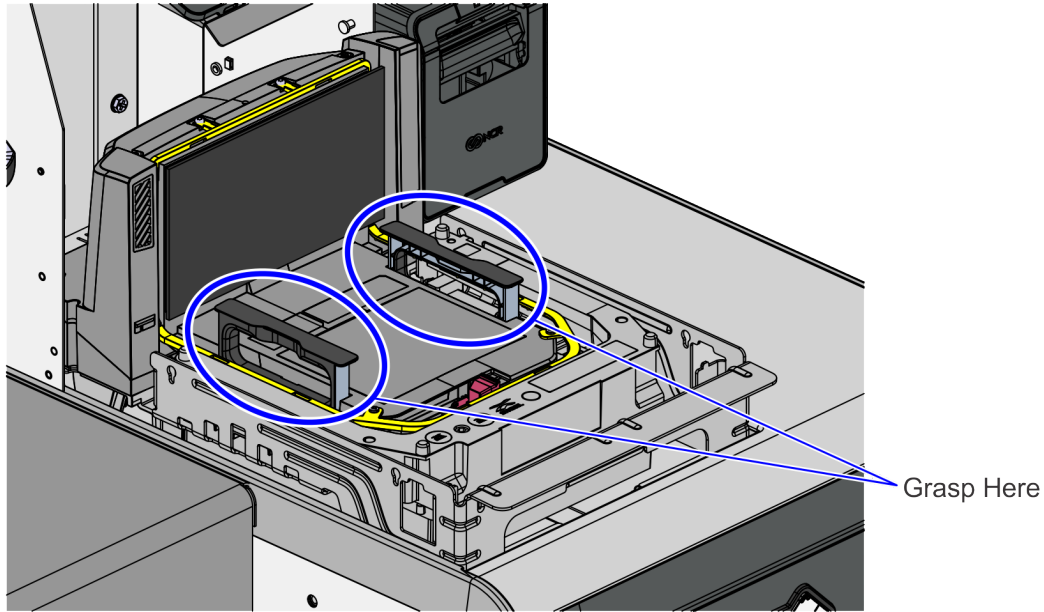# Installing the 7896 Scanner/Scale in R65 Full Function unit

To install the 7896 Scanner/Scale in the R65 Full Function unit, follow these steps:

1. Lift the plastic handles on each side of the Scanner/Scale, as shown in the image below.

Plastic Handles

CCP-85754

2. Using both hands hold the Scanner/Scale on each plastic handle, tilt the Scanner/Scale and then place it in the Scanner Bucket, as shown in the image below.

Grasp Here

CCP-85759

3. Place the Top Plate on the Scanner/Scale.

CCP-85761   Scanner Top Plate

Installing the 7896 Scanner/Scale in R65 Card Only unit

To install the 7896 Scanner/Scale in the R65 Card Only unit, follow these steps:

1. Lift the plastic handles on each side of the Scanner/Scale, as shown in the image below.
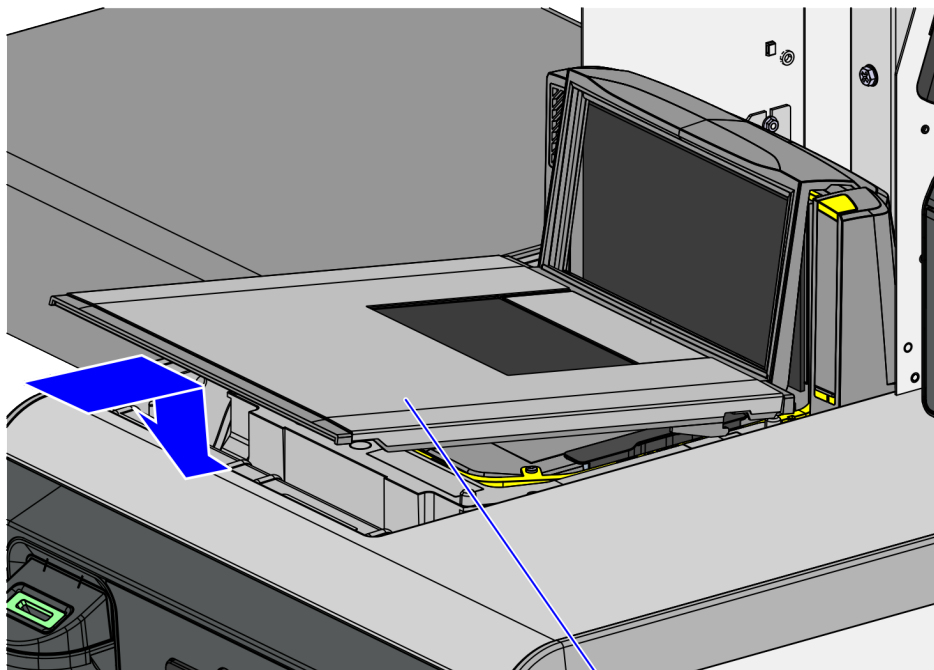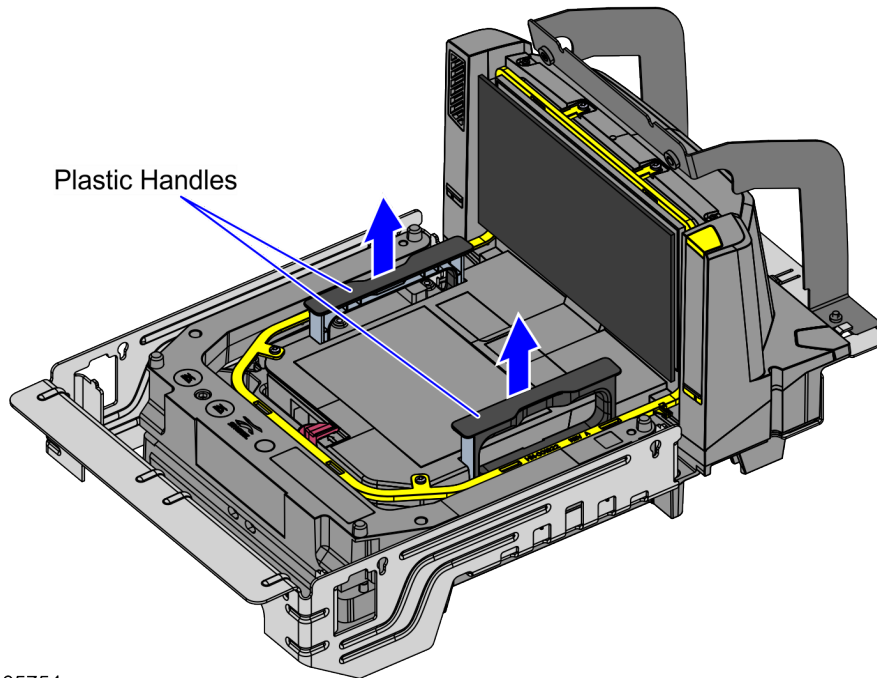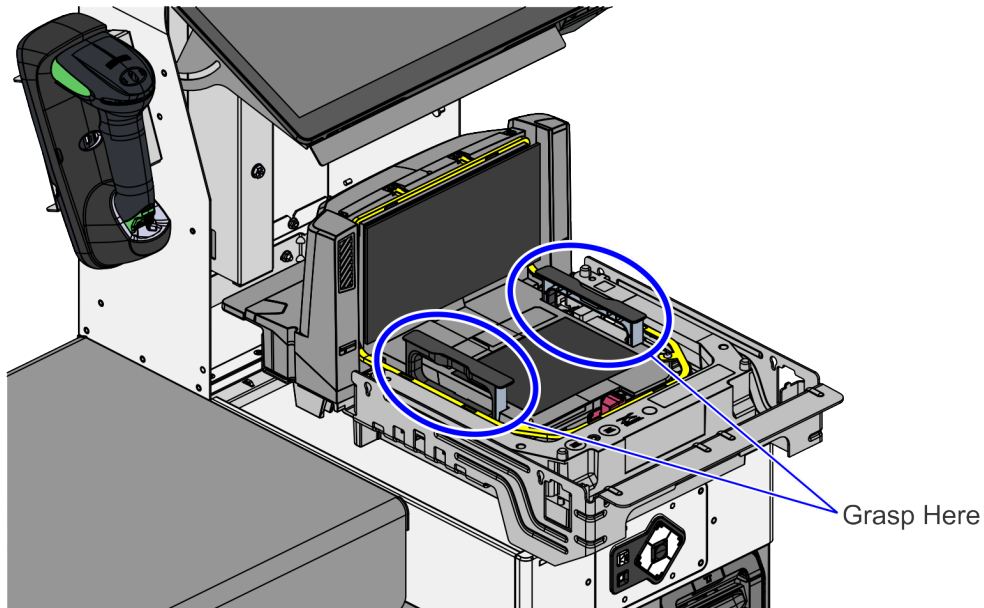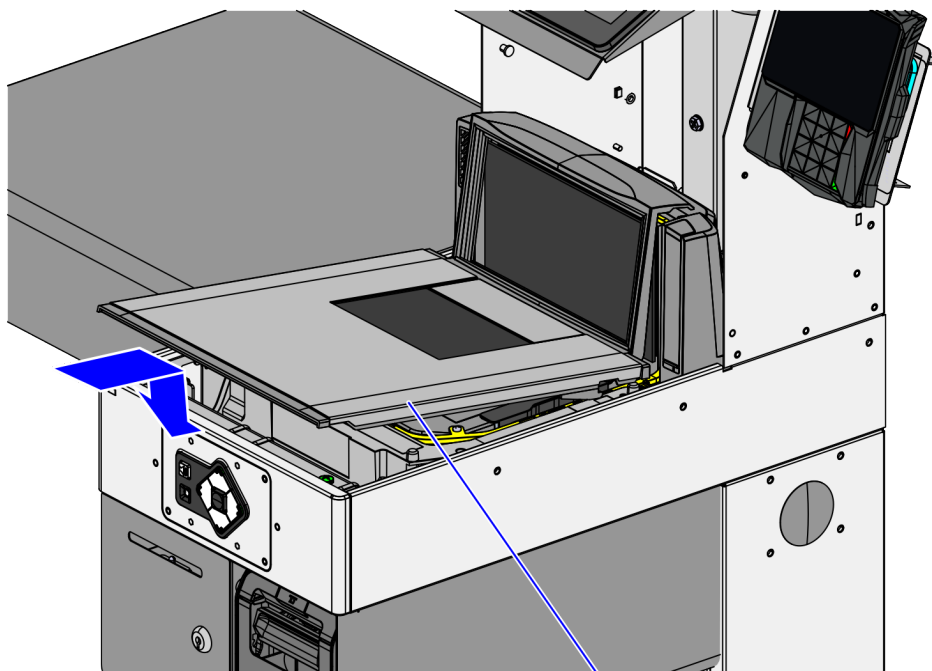
Plastic Handles

CCP-85754

2. Using both hands hold the Scanner/Scale on each plastic handle, tilt the Scanner/Scale and then place it in the Scanner Bucket, as shown in the image below.

Grasp Here

CCP-85760

3. Place the Top Plate on the Scanner/Scale.

CCP-85763   Scanner Top Plate

Installing the 7895 Scanner/Scale in R65 Full Function unit

To install the NCR 7895 Scanner/Scale in the SelfServ Checkout unit, follow these steps:

> **Note**
> Cables for the 7879e Scanner/Scale and 7895 Scanner/Scale in the R6-C unit during the manufacturing process. They are not plugged into any devices. Select the appropriate cable and connect to the ports of corresponding devices.

> **Note**
> Keep unused cables to the side of the Tower Cabinet behind the Terminal Display. Secure cables using cable ties.

1. Level the Scanner/Scale by adjusting four leveling screws located on the bottom of the unit.
2. Connect the cables to their corresponding ports on the Scanner/Scale.

> **Caution**
> Check and ensure that the right cables are correctly plugged into the Scanner/Scale Ports.

Cable	Scanner/Scale Port
Camera cable	Internal Port > **Note** > To install the Camera cable in the Scanner/Scale, refer to "**Routing the 7895 Scanner/Scale Color Camera Cable**" on page 31.
Main cable	POS Port

3. Route the POS Port cable to the back of the Scanner/Scale and secure the cable at each end of the Ferrite Bead to the corresponding cable clips, as shown in the image below.

CCP-81947
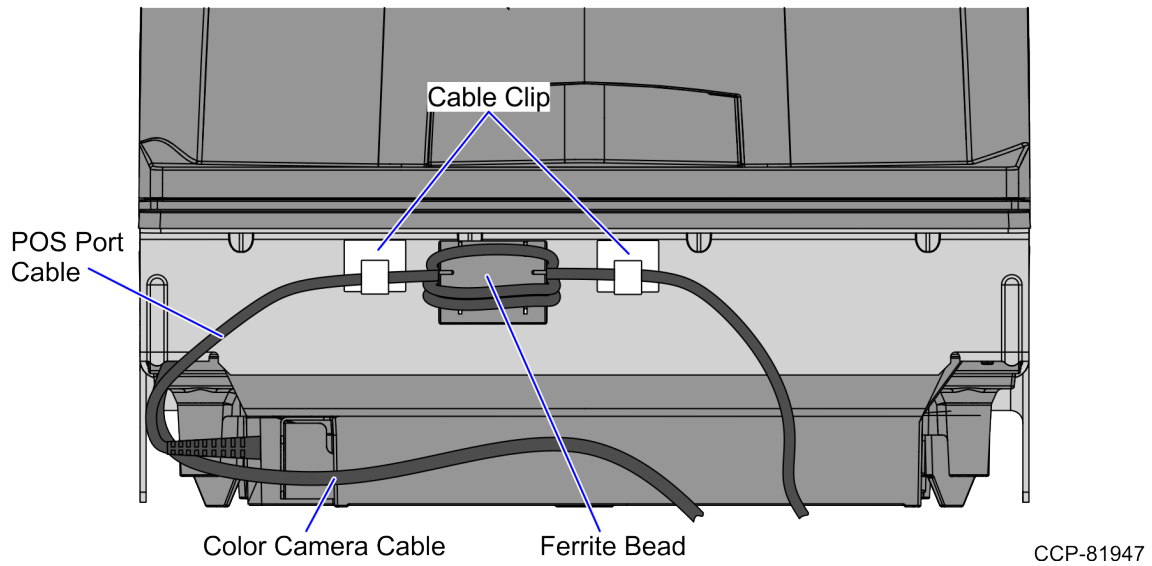
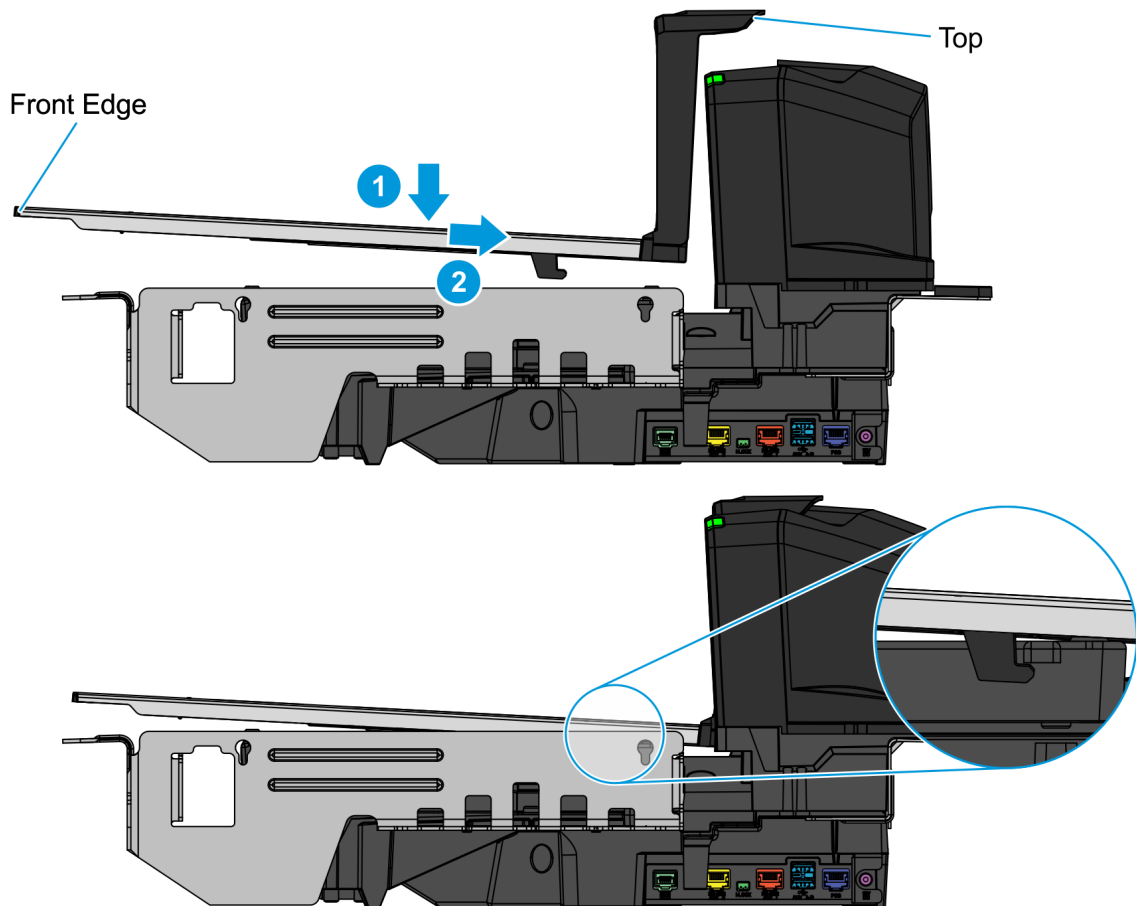4. Tilt the Scanner/Scale while placing it in the scanner bucket, as shown in the image below.

CCP-82606
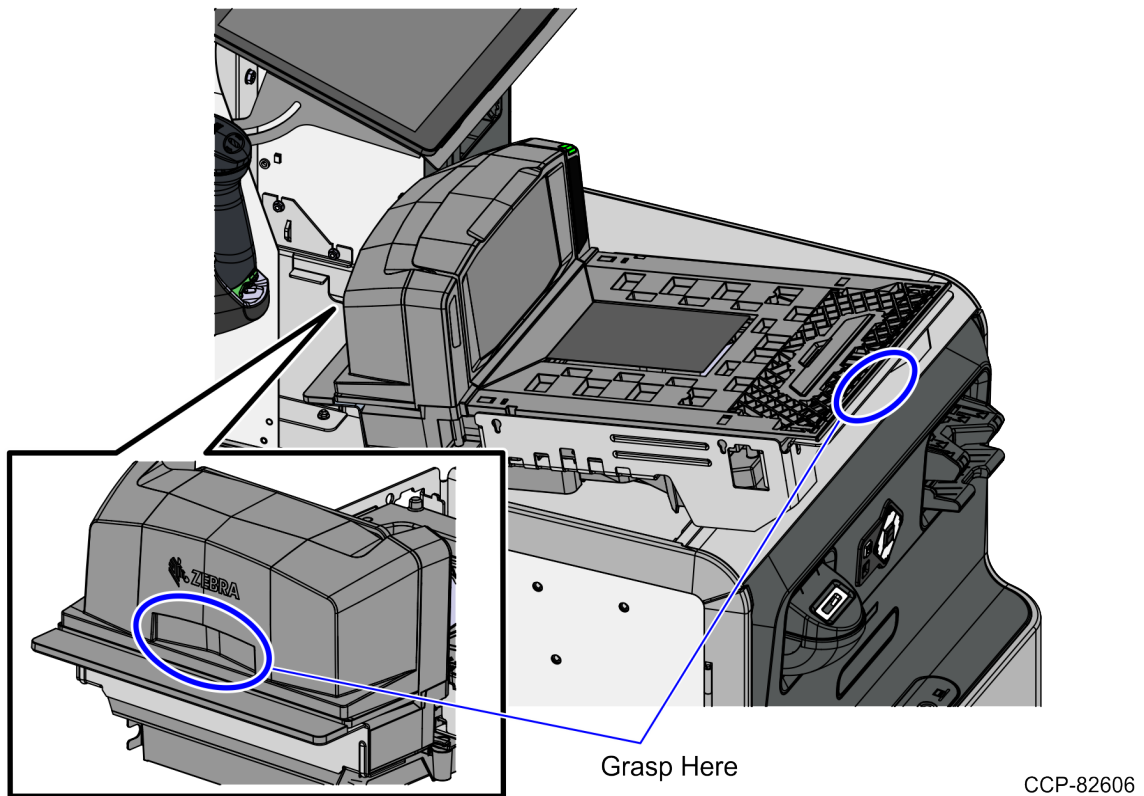
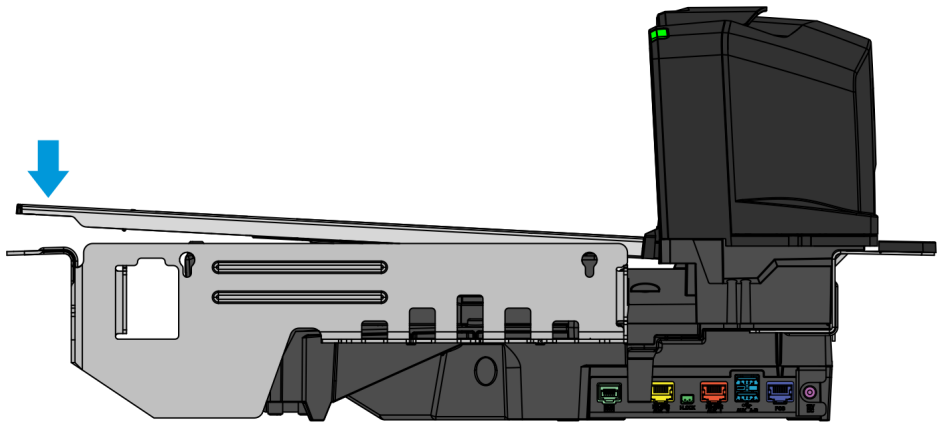5. Install the Scanner/Scale Top Plate by doing the following:

> **📑 Note**
>
> If necessary, remove the Scanner/Scale from the unit and adjust the leveling feet.

a. Hold the front edge and the top of the Top Plate while slightly tilting the Top Plate and then position the Top Plate on top of the scanner base.

b. Slide the Top Plate onto the scanner base until the hooks on the bottom of the Top Plate are positioned under the tabs on the scale.

CCP-80079

c. Lower the front edge of the Top Plate until the Top Plate sits securely on the scanner base.


CCP-80078

6. Connect the other end of the scanner cables to the corresponding ports in the Retail I/O Box.

> ⚠ **Caution**
> Check and ensure that the right cables are correctly plugged into the Retail I/O Box.

Cable	Retail I/O Box Port
Camera cable	Retail I/O Box (USB 3.0 Port A)
Main cable	Retail I/O Box (USB + Power Port C (+12 V @ 2.0 A))

Scanner/Scale Cable (12V USB C)

Color Camera Cable (USB 3.0 Port A)
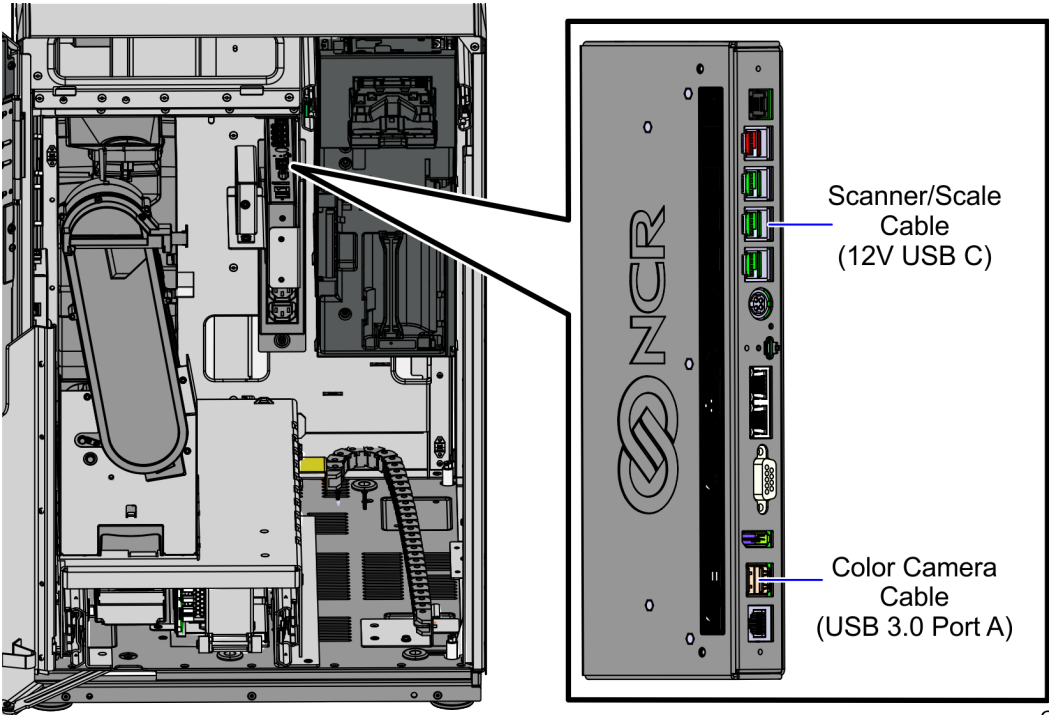
CCP-82069

> **📝 Note**
>
> The Scanner/Scale must be calibrated before the system goes live. For more information, refer to **NCR 7895 Scanner/Scale Installation Guide** (BCC5-0000-5507) .

Installing the 7895 Scanner/Scale in R65 Card Only unit

To install the 7895 Scanner/Scale in the SelfServ Checkout unit, follow these steps:

> **Note**
> Cables for the 7879e Scanner/Scale and 7895 Scanner/Scale in the R6-C unit during the manufacturing process. They are not plugged into any devices. Select the appropriate cable and connect to the ports of corresponding devices.

> **Note**
> Keep unused cables to the side of the Tower Cabinet behind the Terminal Display. Secure cables using cable ties.

1. Level the Scanner/Scale by adjusting four leveling screws located on the bottom of the unit.
2. Connect the cables to their corresponding ports on the Scanner/Scale.
3. Check and ensure that the right cables are correctly plugged into the Scanner/Scale Ports.

| Cable	Scanner/Scale Port
Camera cable	Internal Port **Note** To install the Camera cable in the Scanner/Scale, refer to "**Routing the 7895 Scanner/Scale Color Camera Cable**" on page 31.
Main cable	POS Port

4. Route the POS Port cable to the back of the Scanner/Scale and secure the cable at each end of the Ferrite Bead to the corresponding cable clips, as shown in the image below.

Cable Clip

POS Port Cable

Color Camera Cable   Ferrite Bead

CCP-81947
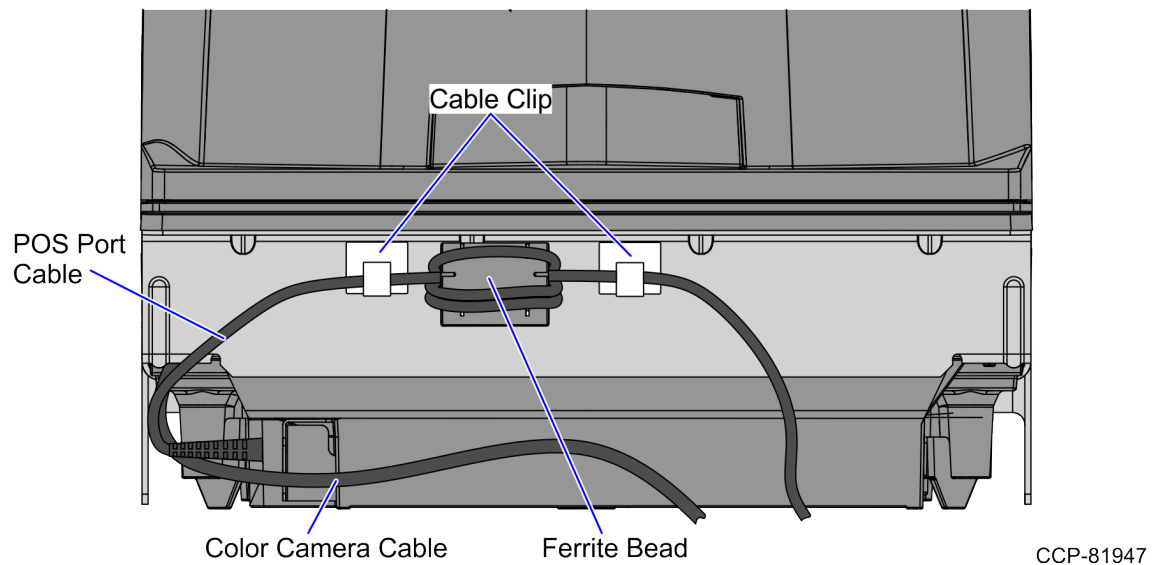
5. Place the Scanner/Scale in the scanner bucket by doing the following:
   a. Hold the support handles on the front and back of the Scanner/Scale.

CCP-81944
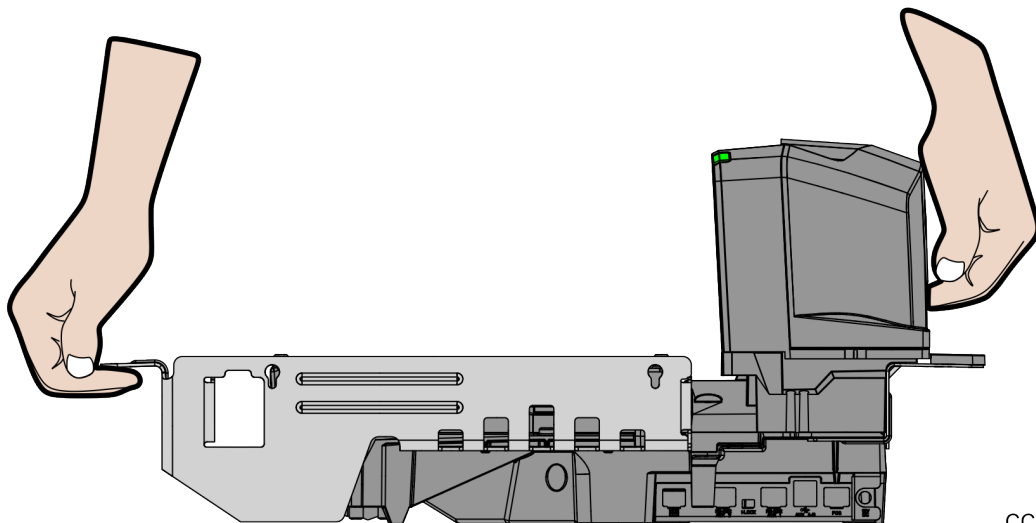
b. Slightly tilt the Scanner/Scale while placing it in the scanner bucket, as shown in the image below.
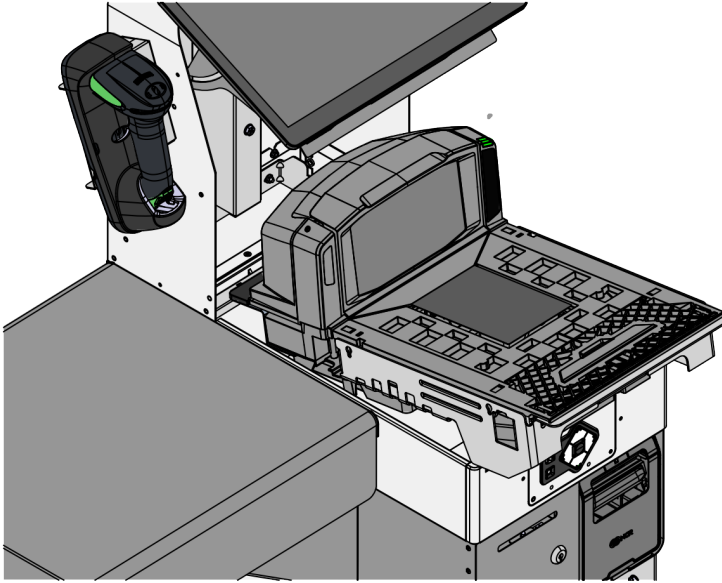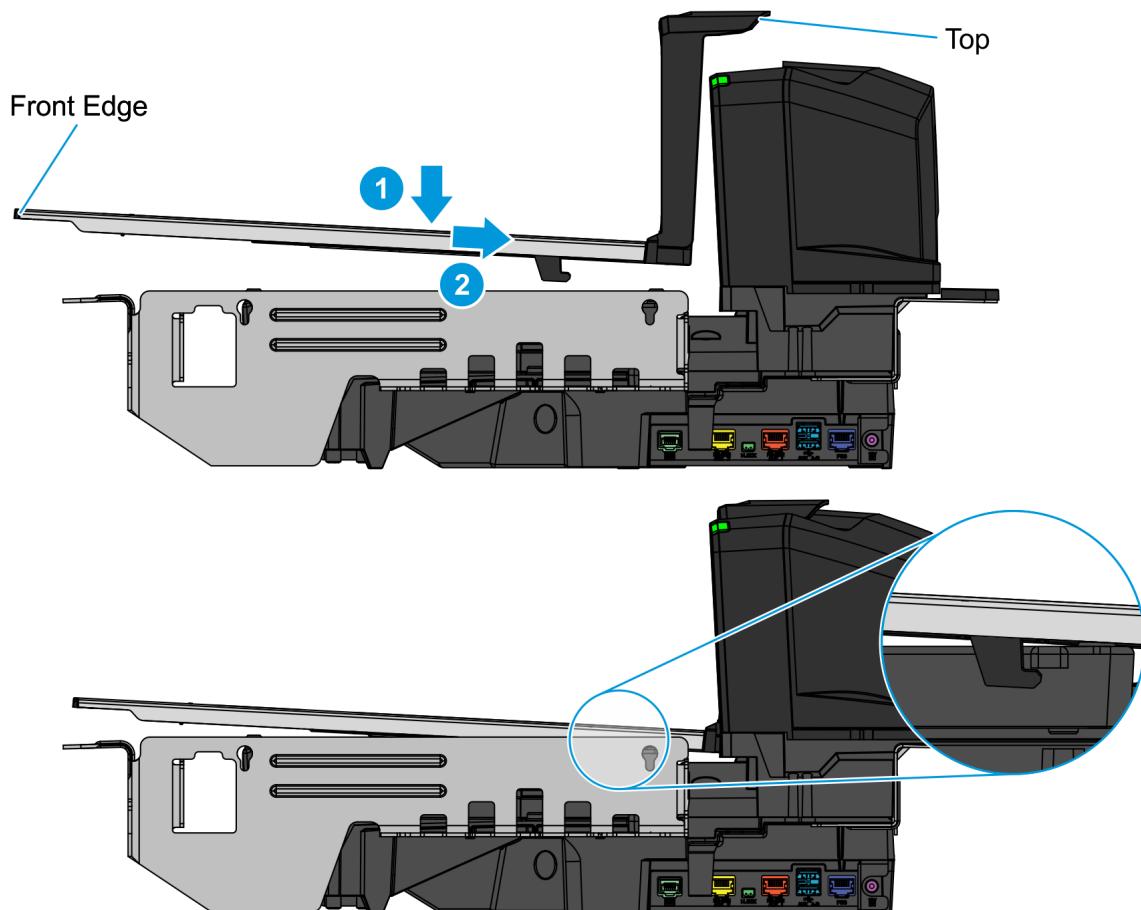

CCP-81377

6. Install the Scanner/Scale Top Plate by doing the following:

> **Note**
> If necessary, remove the Scanner/Scale from the unit and adjust the leveling feet.

a. Hold the front edge and the top of the Top Plate while slightly tilting the Top Plate and then position the Top Plate on top of the scanner base.

b. Slide the Top Plate onto the scanner base until the hooks on the bottom of the Top Plate are positioned under the tabs on the scale.

CCP-80079

c. Lower the front edge of the Top Plate until the Top Plate sits securely on the scanner base.
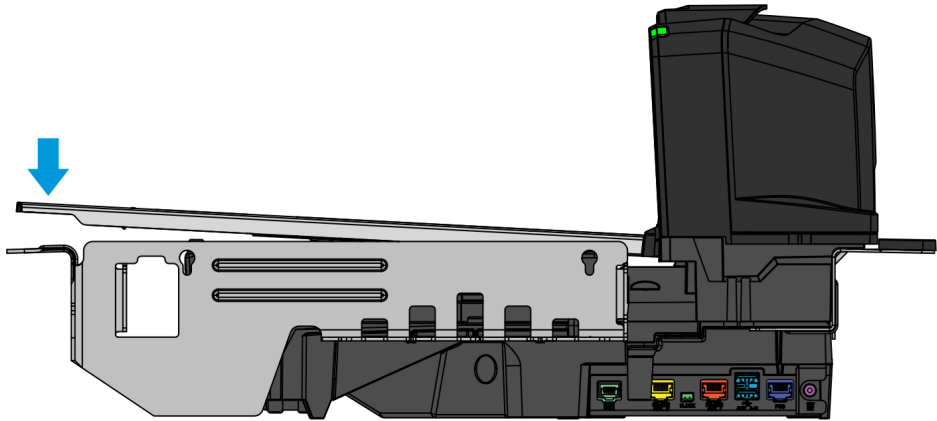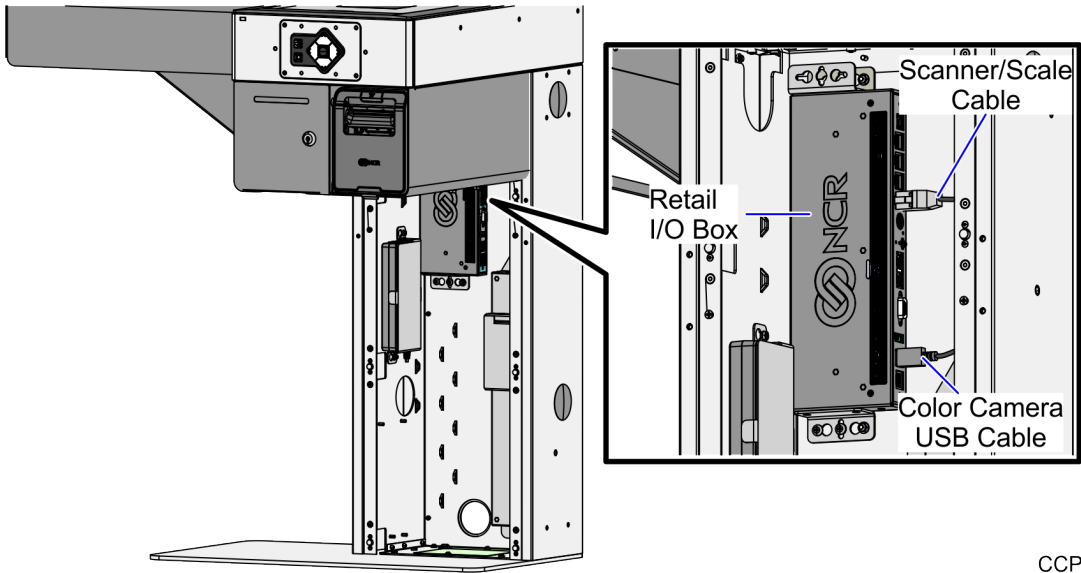

CCP-80078

7. Connect the other end of the scanner cables to the corresponding ports in the Retail I/O Box.

> ⚠ **Caution**
> Check and ensure that the right cables are correctly plugged into the Retail I/O Box.

| Cable	Retail I/O Box Port
Camera cable	Retail I/O Box (USB 3.0 Port A)
Main cable	Retail I/O Box (USB + Power Port C (+12 V @ 2.0 A))

CCP-81946

> 📝 **Note**
> The Scale must be calibrated before the system goes live. For more information, refer to the
> **NCR 7895 Scanner/Scale Hardware User Documentation (BCC5-0000-5511)**.
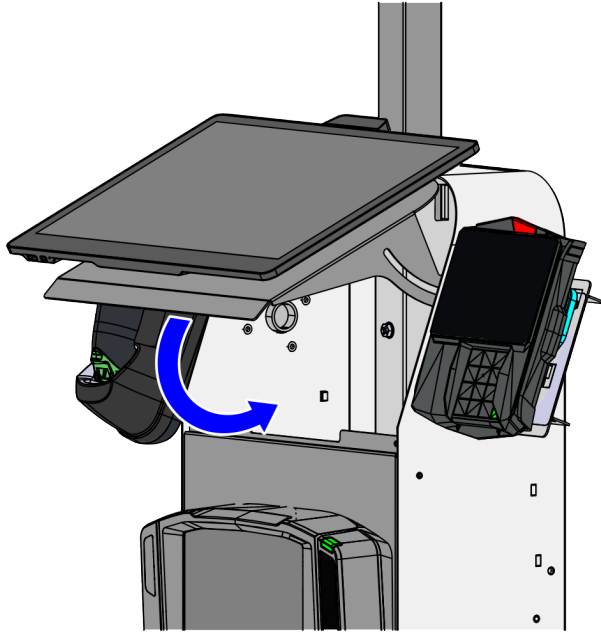
Opening the Tower Cabinet

To open the Tower Cabinet, pull and raise the Terminal Display to disengage the Tower Cabinet door from the Tower Frame.
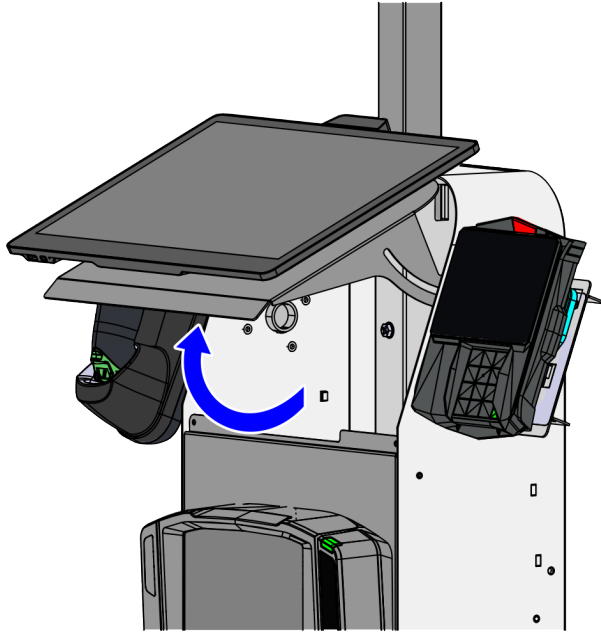
CCP-81350

Closing the Tower Cabinet

To close the Tower Cabinet, push down the Terminal Display to engage the Tower Cabinet door with the Tower Frame.

CCP-81351