



Kit Instructions

7879 Scanner Adapter



7371-K130

Issue A

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Revision Record

Issue	Date	Remarks
A	Aug 2024	First issue.

7879 Scanner/Scale Adapter

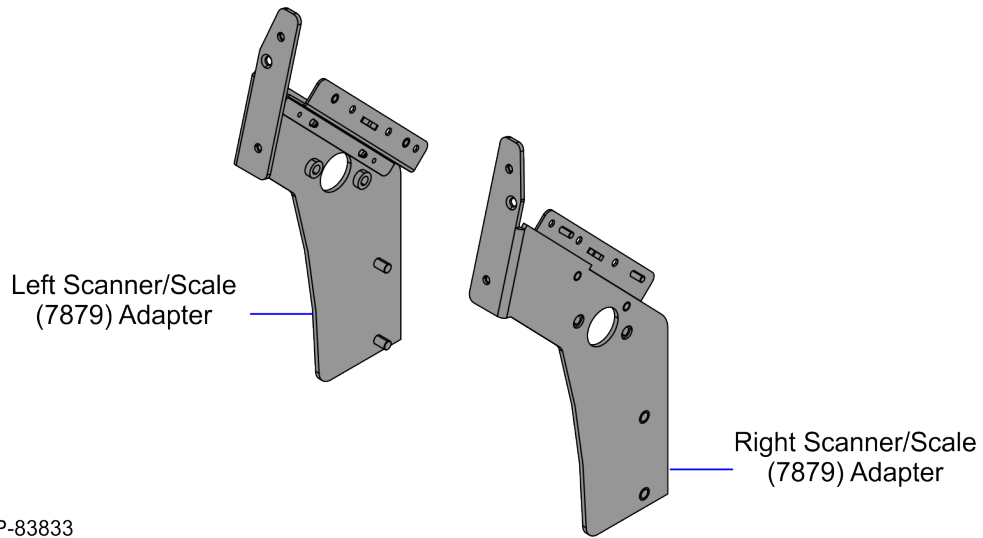
This publication provides procedures for installing a Scanner Adapter for a 7879 Scanner/Scale on either of the following SelfServ Checkout units:

- NCR Voyix SCO Hardware (7371) Full Function
- NCR Voyix SCO Hardware (7371) Full Function Hybrid
- NCR Voyix SCO Hardware (7372) Card Only

Note

The 7879e Scanner/Scale is not included in this kit.

Kit Contents



CCP-83833

Part Numbers	Description
497-0533878	7371-K130 Kit - 7879 Scanner/Scale Adapter
497-0533410	Scanner/Scale Adapter, Right, 7879 Scanner
497-0533411	Scanner/Scale Adapter, Left, 7879 Scanner

* Items marked with an asterisk are not called out on the image.

Installation Procedures

To install the Scanner/Scale Adapter, refer to the procedures below depending on the unit:

7371 Full Function Self-Checkout

- ["Installing the Scanner/Scale Adapter on Full Function Configuration"](#) on the next page.
- ["Removing the Scanner/Scale Adapter"](#) on page 13.
- ["Removing the 7895 Scanner/Scale from Full Function Configuration"](#) on page 20.
- ["Installing the NCR RealScan™ 79 Bi–Optic Imager Scanner/Scale \(7879e\) "](#) on page 26

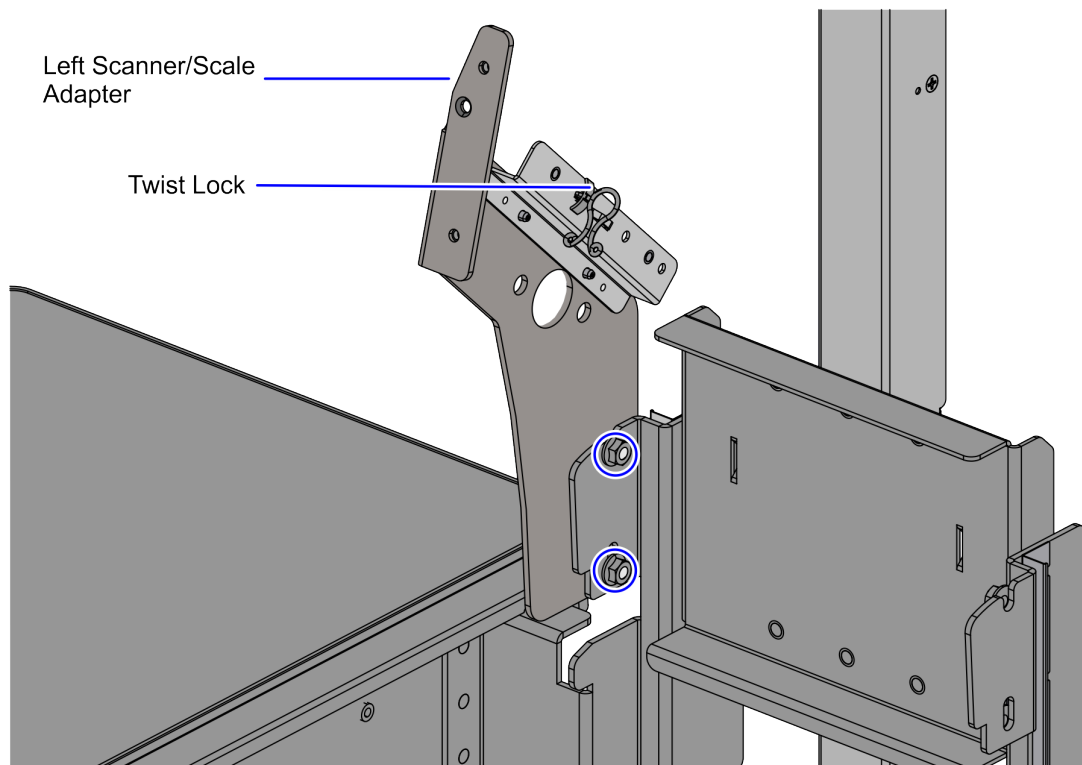
7372 Card Only Self-Checkout

- ["Installing the Scanner/Scale Adapter on Card Only Self-Checkout \(7372\) Configuration"](#) on page 31.
- ["Removing the Scanner/Scale Adapter"](#) on page 37.
- ["Removing the 7895 Scanner/Scale from Card Only Self-Checkout \(7372\) Configuration"](#) on page 44.
- ["Installing the NCR RealScan™ 79 Bi–Optic Imager Scanner/Scale \(7879e\) "](#) on page 47.

Installing the Scanner/Scale Adapter on Full Function Configuration

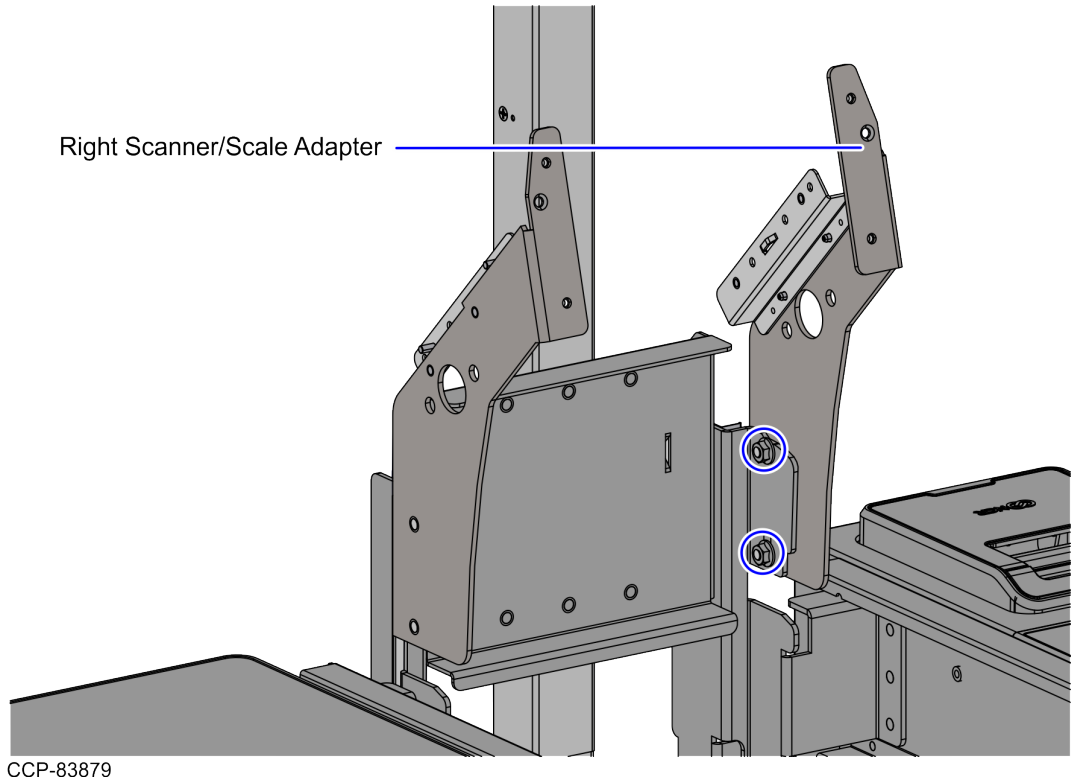
To install the Scanner/Scale Adapter, follow these steps:

1. Remove the existing Scanner/Scale Adapter, if necessary. For more information, refer to "[Removing the Scanner/Scale Adapter](#)" on page 13.
2. Do the following:
 - a. Mount the studs of the Left Scanner/Scale Adapter into the holes of the frame and then secure using two (2) nuts.
 - b. Attach the twist lock, as shown in the image below.



CCP-83890

- c. Mount the Right Scanner/Scale Adapter into the holes on the frame and then secure using two (2) nuts, as shown in the image below.

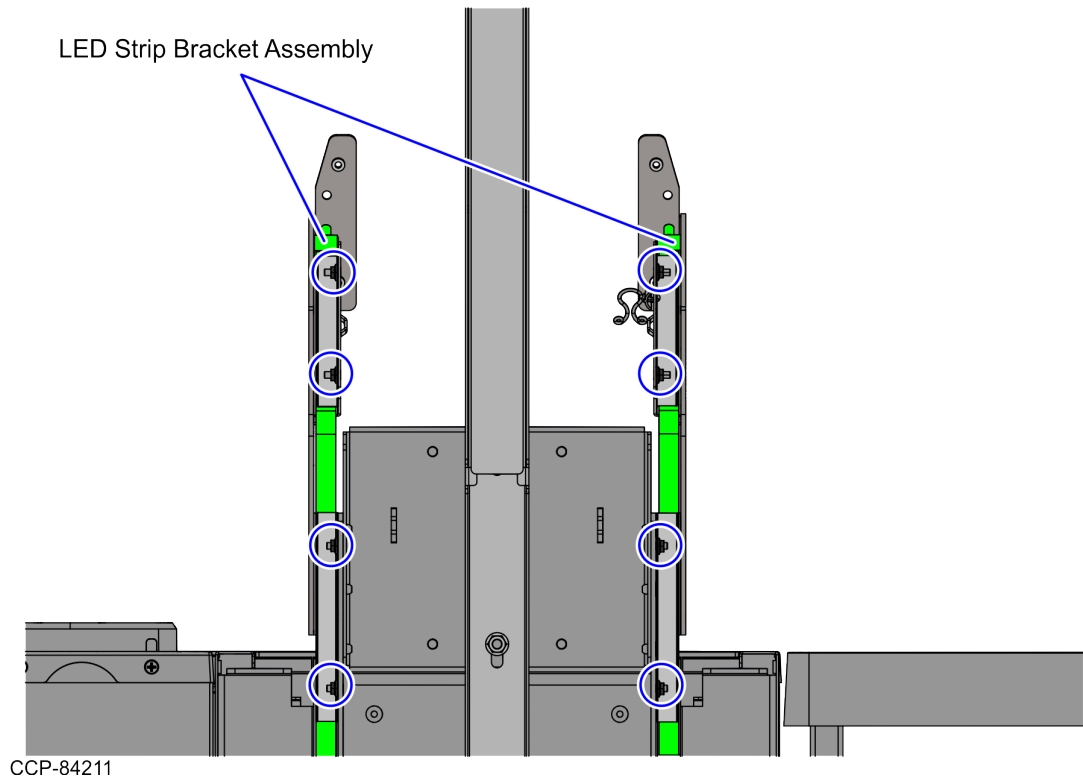


1. Install the LED Strip Bracket assemblies by doing the following:

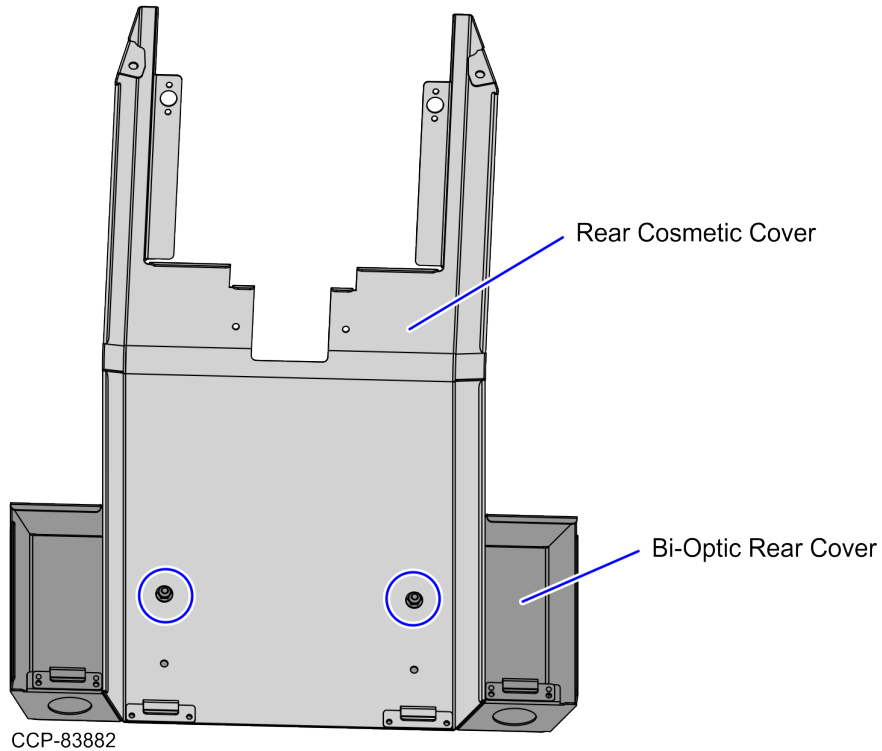
Note

These LED Strip Bracket assemblies were removed and set aside when the existing the Scanner Adapters were removed.

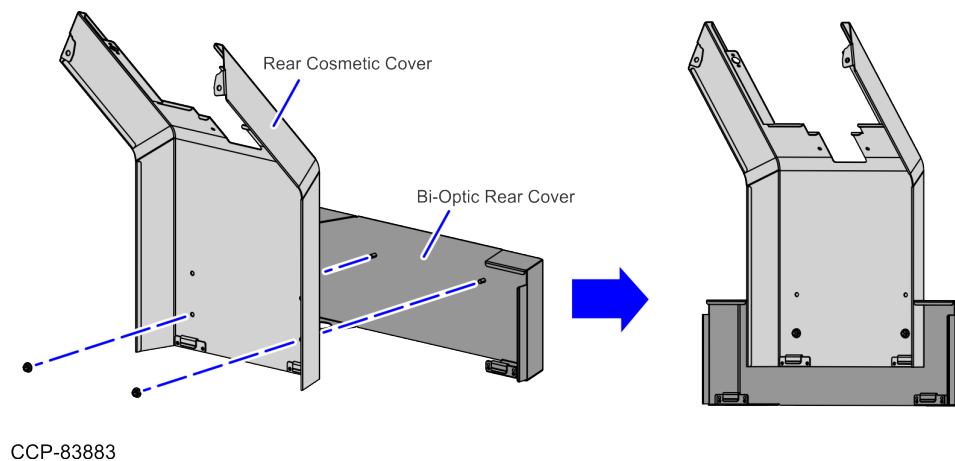
- a. Mount each of the assemblies onto the four (4) studs on each Scanner/Scale Adapter.
- b. Secure the assemblies using four (4) nuts on each side.



1. Reassemble the Bi-Optic Rear Cover and the Rear Cosmetic Cover by doing the following:
 - a. Remove two (2) nuts to detach the Rear Cosmetic Cover from the Bi-Optic Rear Cover, as shown in the image below.

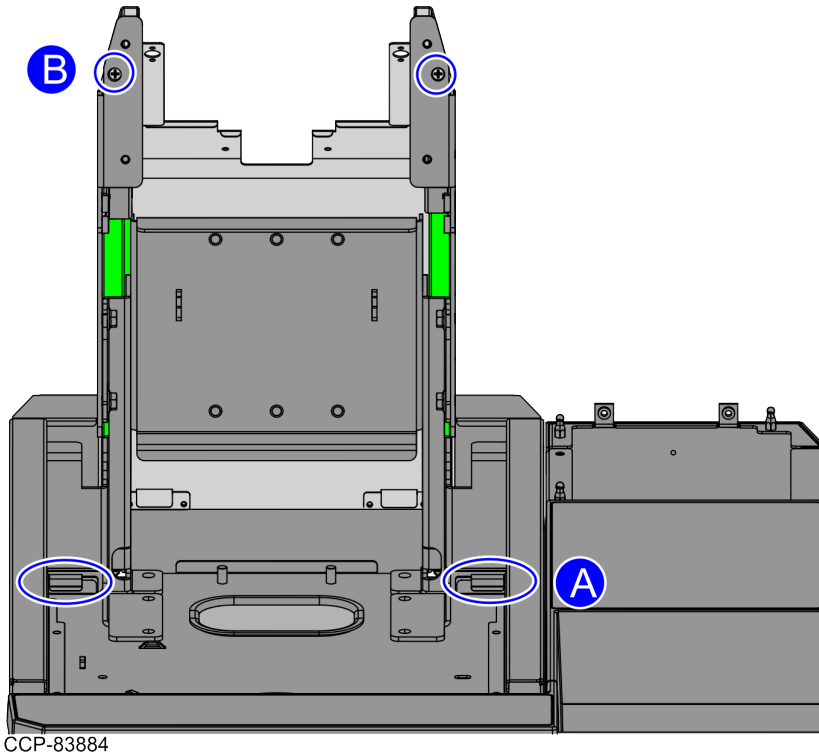


- b. Align and secure the two (2) studs of the Bi-Optic Rear Cover into the two (2) upper slots of the Rear Cosmetic Cover using two (2) nuts, as shown in the image below.

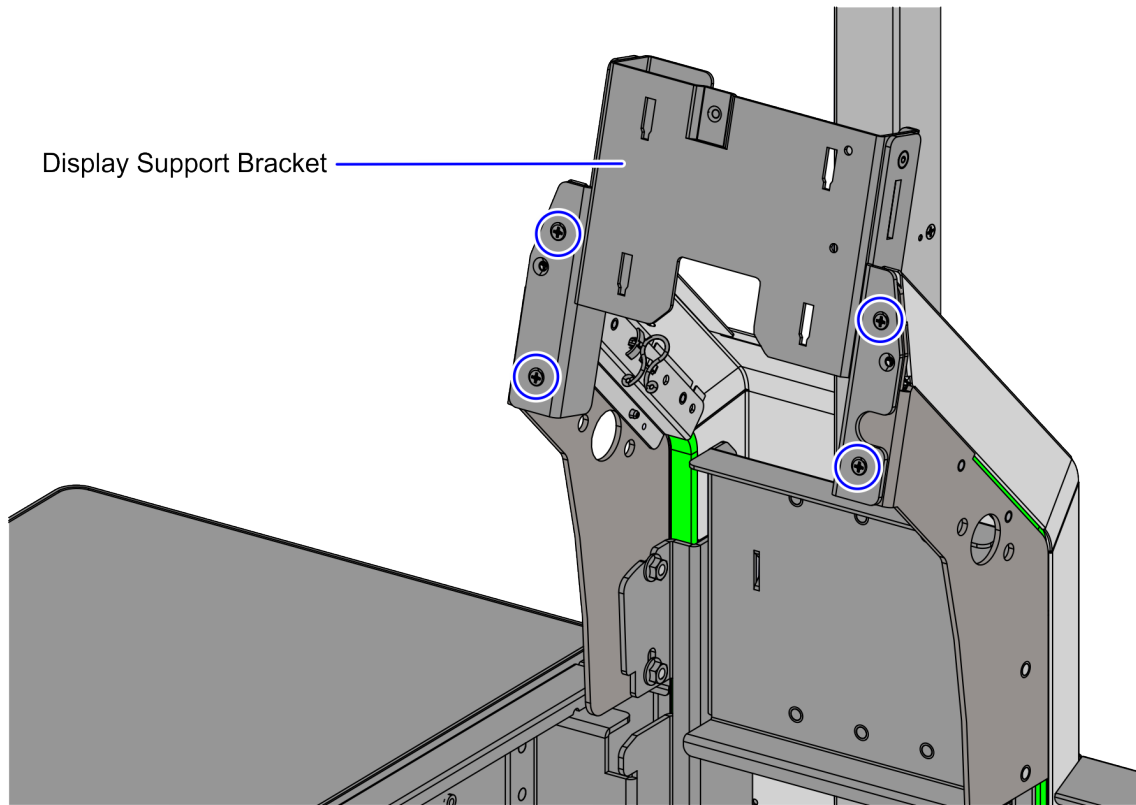


2. Do the following:

- a. Attach the Rear Cover assembly to the Scanner/Scanner/Scale Bucket frame by engaging the two (2) hooks on the tabs of the Scanner/Scale Bucket.
- b. Secure the Rear Cosmetic Cover to the Scanner/Scale Adapters using two (2) screws, as shown in the image below.



1. Attach the Display Support Bracket on the Scanner/Scale Adapter using four (4) screws, as shown in the image below.



2. Install the 7879 Scanner/Scale. For more information, refer to ["Installing the NCR RealScan™ 79 Bi-Optic Imager Scanner/Scale \(7879e\)"](#) on page 26.

Removing the Scanner/Scale Adapter

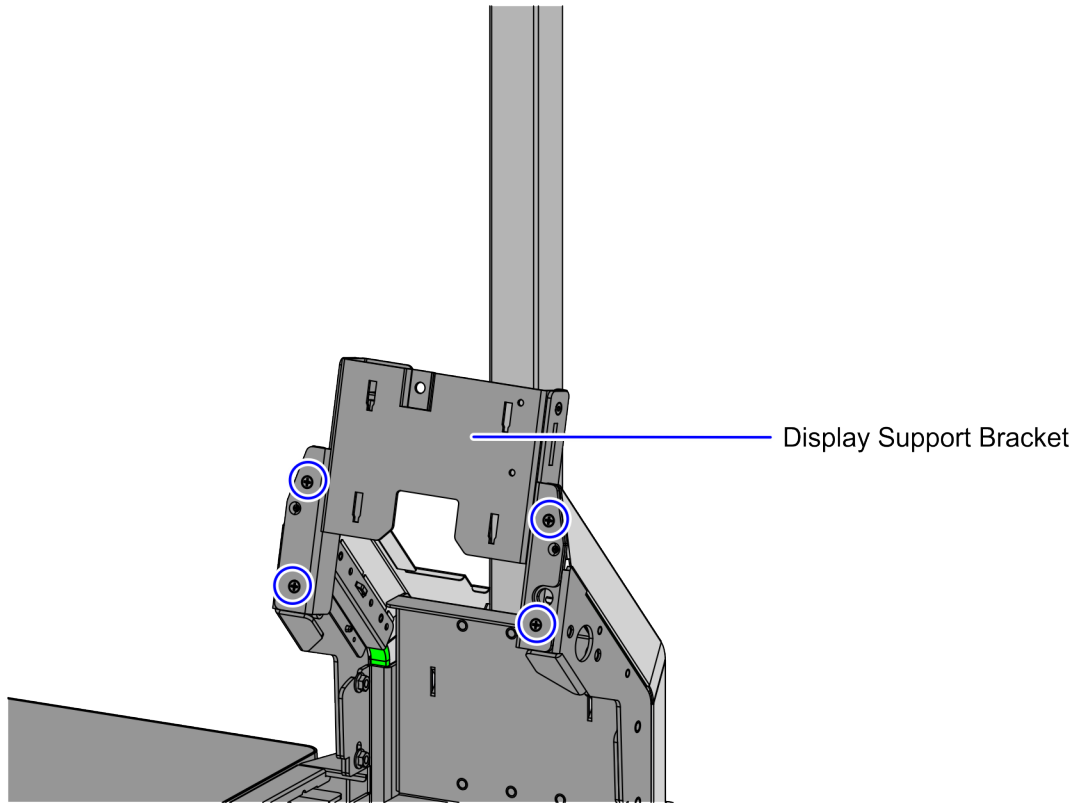
To remove the Scanner/Scale Adapter, follow these steps:

1. Turn off the 7371 SCO Full Function software and hardware systems.
2. Do the following, if necessary:
 - Remove the 7895 Scanner/Scale. For more information, refer to "[Removing the 7895 Scanner/Scale from Full Function Configuration](#)" on page 1.
 - Remove the Terminal Display. For more information, refer to "[Removing the Terminal Display](#)" on page 1.
 - Remove the PIN Pad Arm. For more information, refer to "[Removing the PIN Pad Arm](#)" on page 1.
 - Remove the Handheld Scanner Arm. For more information, refer to "[Removing the Handheld Scanner Arm](#)" on page 1.

3. Remove and set aside four (4) screws to detach the Display Support Bracket from the Scanner/Scale Adapter.

 **Note**

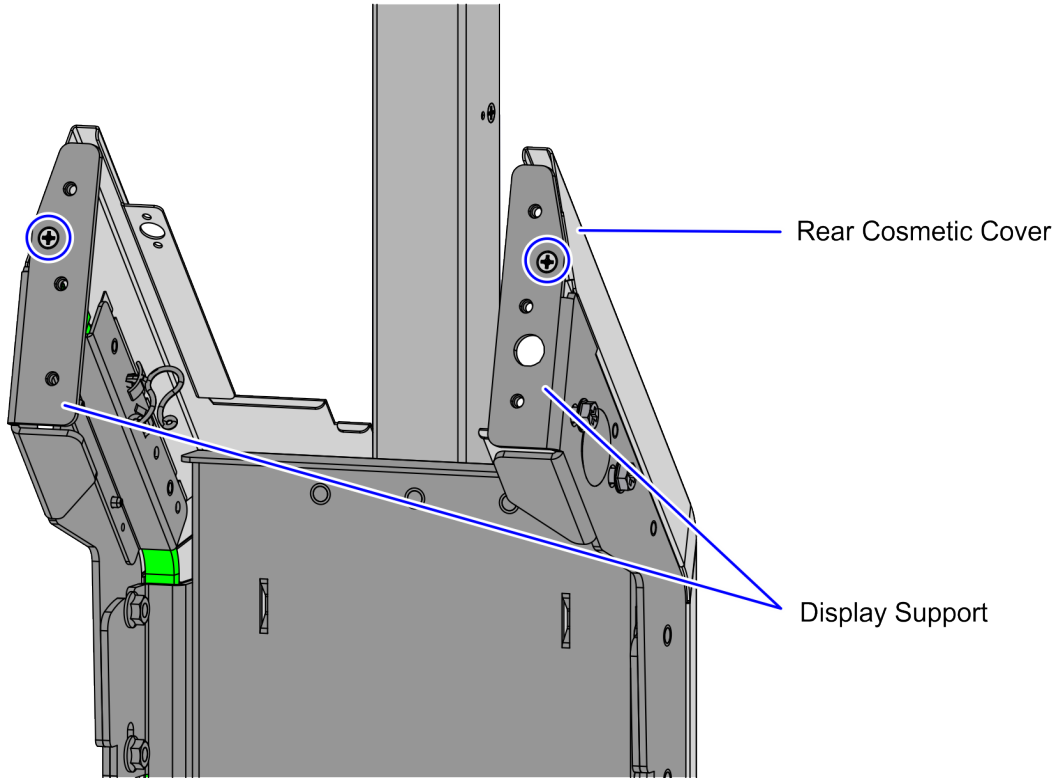
Set aside the screws for reinstallation.



4. Remove and set aside two (2) screws to detach the Rear Cosmetic Cover from the Display Support, as shown in the image below.

Note

Set aside screws and Rear Cosmetic Cover for reinstallation.

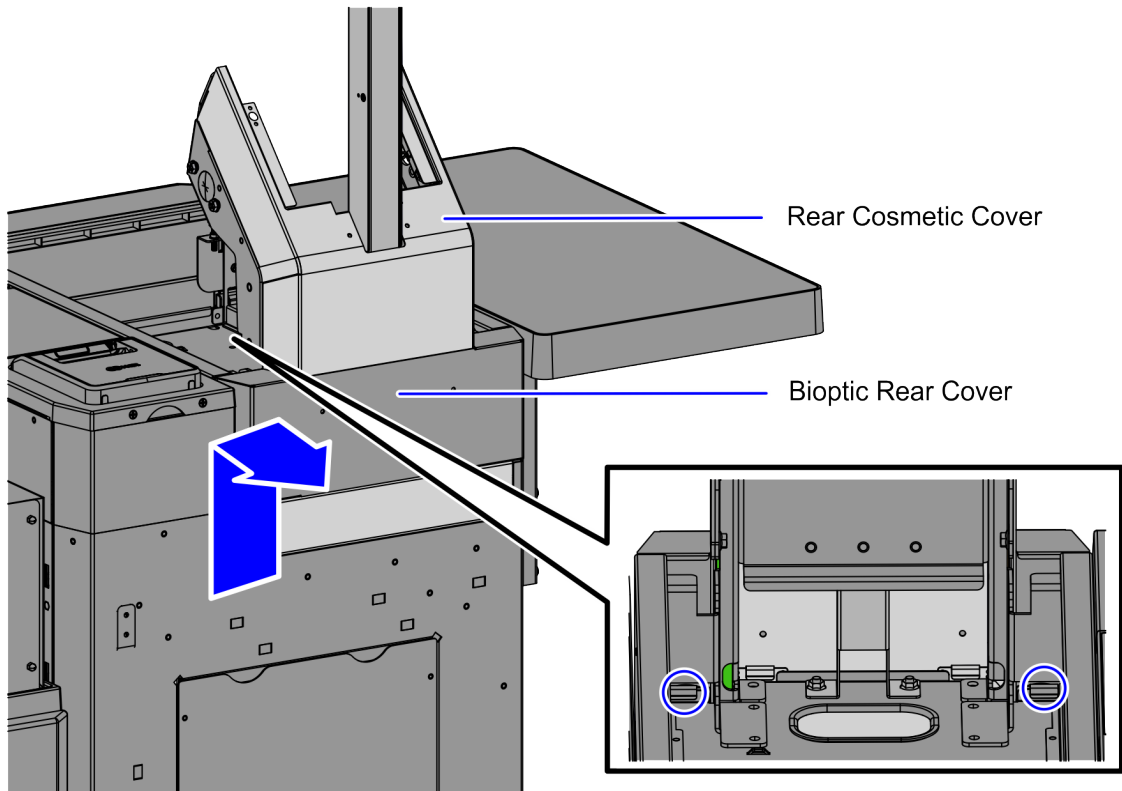


CCP-84213

5. Pull up the Rear Cover assembly to disengage the four (4) hooks from the tabs of the Scanner/Scale Bucket, as shown in the image below.

 **Note**

Set aside the Rear Cover assembly for reinstallation.

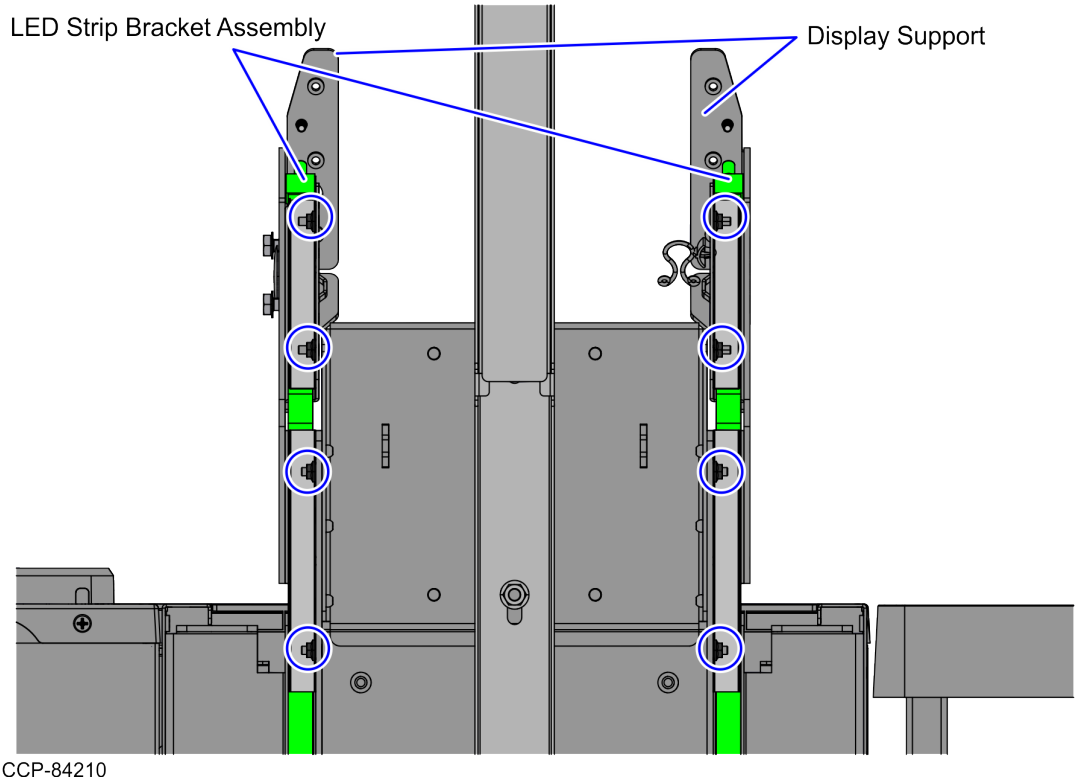


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1. Remove the LED Strip Bracket assemblies by doing the following:
 - a. Remove four (4) nuts from each sides of the Display Support to detach the LED Strip Bracket assemblies, as shown in the image below.

 **Note**

Set aside the nuts and the LED Strip Bracket assemblies for reinstallation.



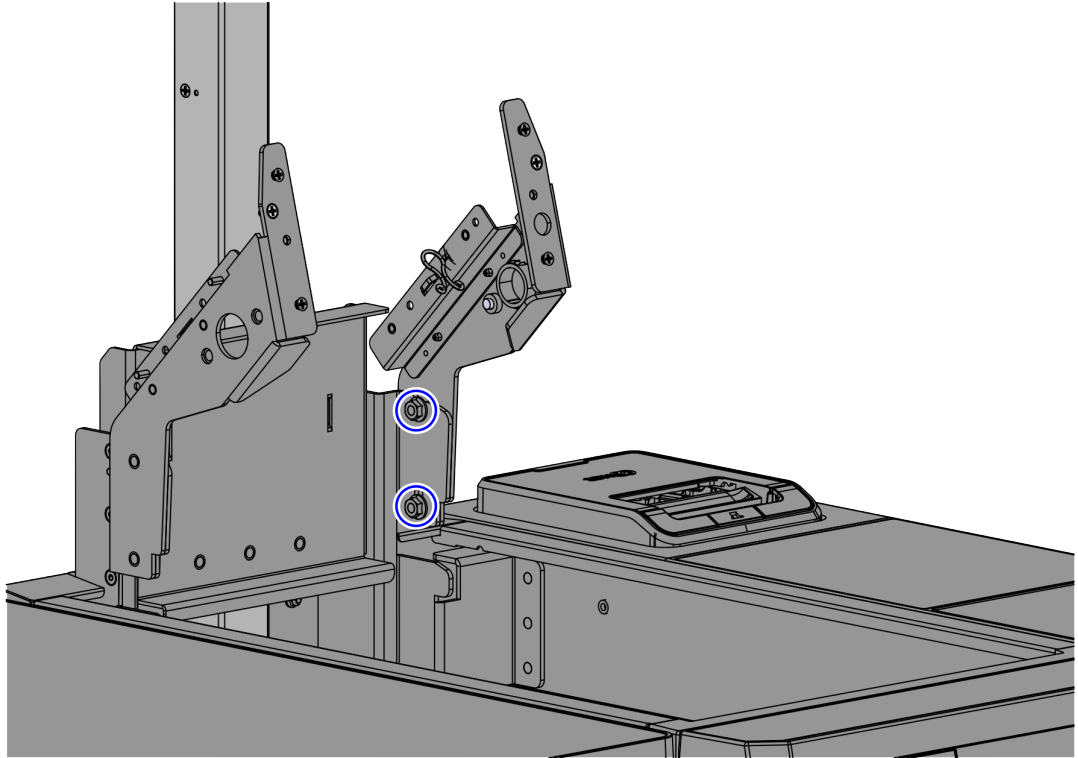
- b. Disengage each LED Strip Bracket assembly from four (4) studs on the Scanner/Scale Adapters.

1. Do the following:

- a. Remove and set aside the two (2) nuts to detach the Right Display Support from the frame, as shown in the image below.

 **Note**

Set aside the nuts for reinstallation.



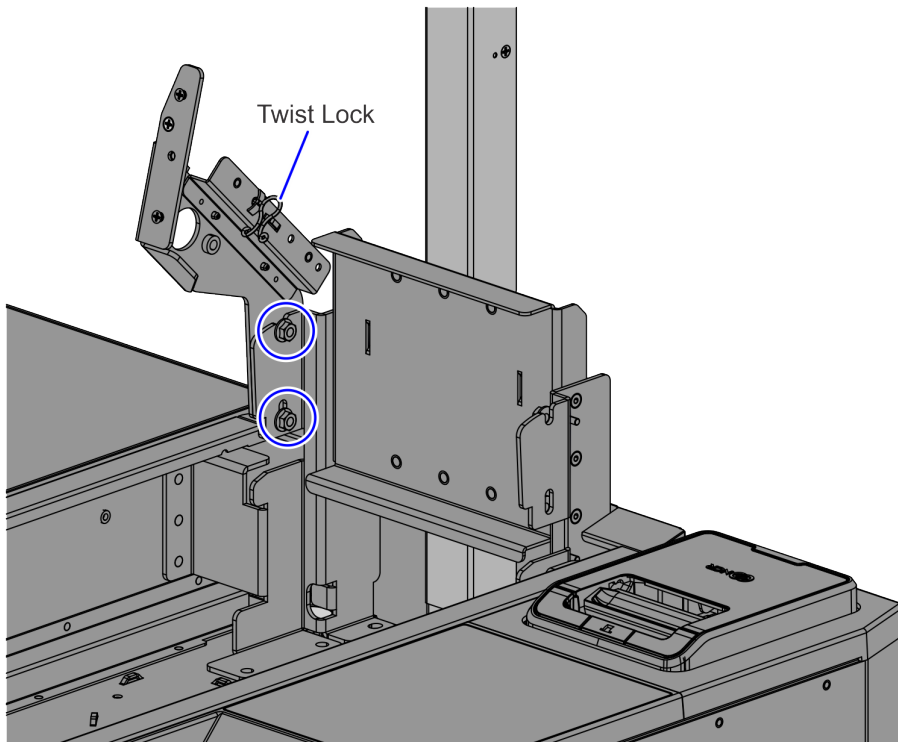
CCP-83881

- b. Remove the two (2) nuts to detach the Left Display Support from the frame.

 **Note**

Set aside the nuts for reinstallation.

c. Detach the twist lock, as shown in the image below.

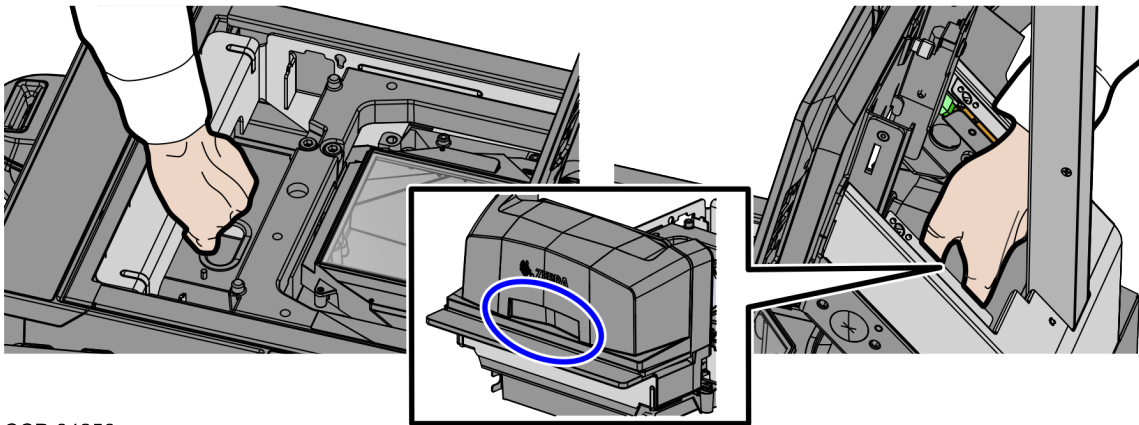


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Removing the 7895 Scanner/Scale from Full Function Configuration

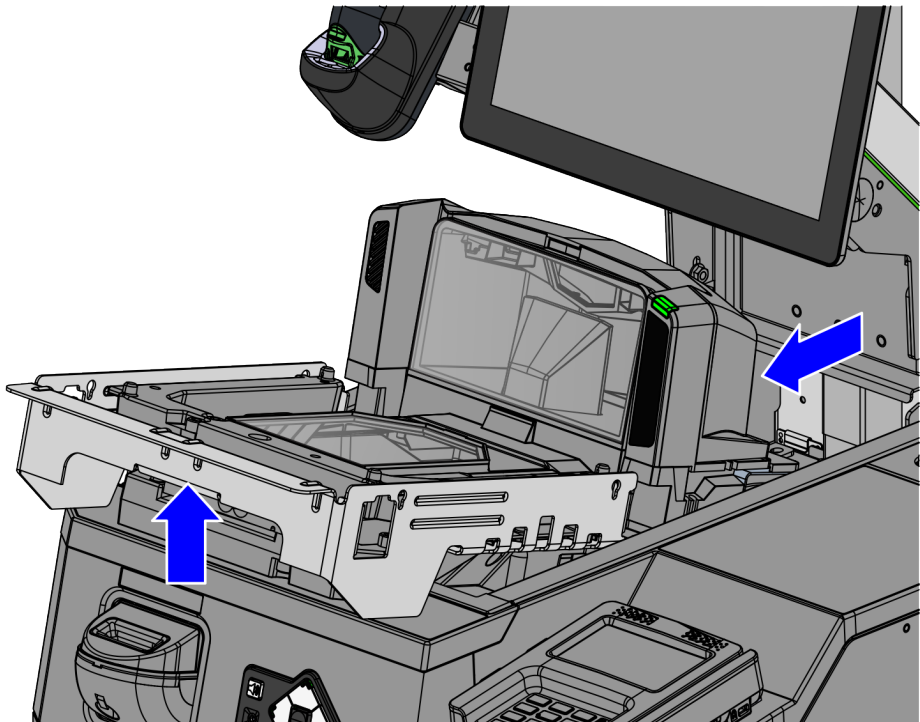
To remove the NCR 7895 Scanner/Scale, follow these steps:

1. Remove the Scanner/Scale Top Plate. For more information, refer to "[Removing the 7895 Scanner/Scale Top Plate](#)" on page 25.
2. Grasp the front of the Scanner/Scale and the back of the Scanner/Scale through the Tower Cabinet rear opening, as shown in the image below.



CCP-84256

3. Lift the front handle of the Scanner/Scale and then push the back of the Scanner/Scale to the front to remove it from the Scanner Bucket, as shown in the image below.



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4. Disconnect the cables from the NCR 7895 Scanner/Scale.

Note

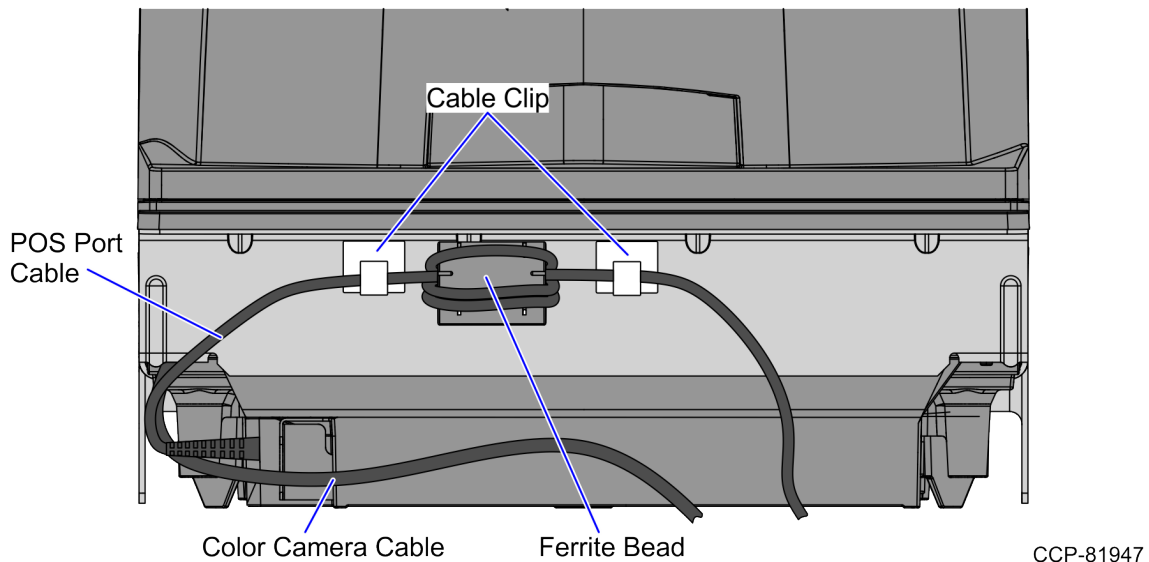
If removing Scanner/Scale with Sensormatic® features, remove the Sensormatic® Interface cable.

Tip

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

Cable	Scanner/Scale Port
Camera cable	Internal Port
Main cable	POS Port
Scale Display (If applicable)	7895 Single or Dual Head Scale Pole Display

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

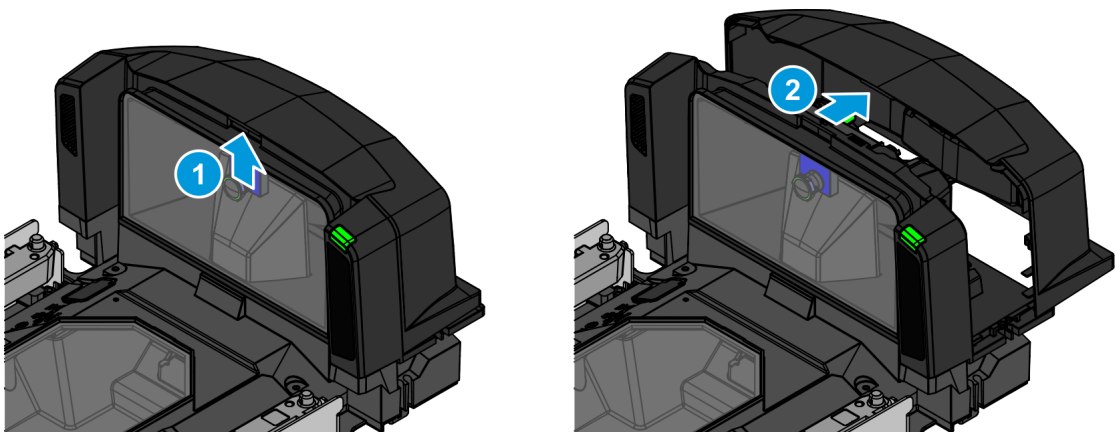


2. Bundle the disconnected cables in a loop and secure it in the Scanner Bucket.

Removing the Color Camera USB Cable

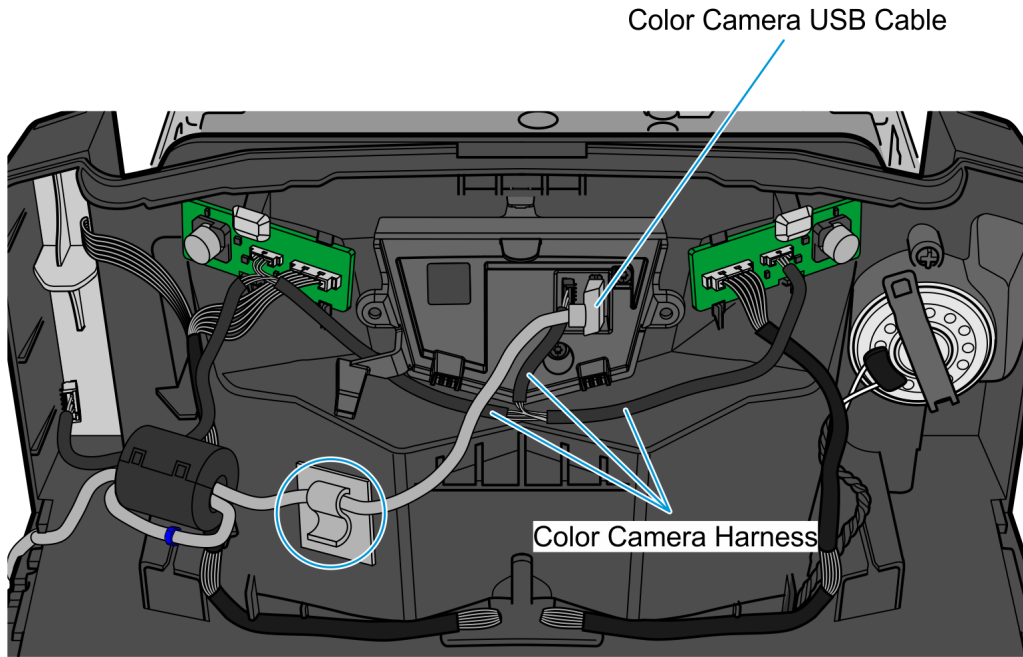
To remove the Color Camera USB Cable, follow these steps:

1. Do the following:
 - a. Remove the Scanner/Scale. Depending on the configuration, refer to either of the following procedures:
 - ["Removing the 7895 Scanner/Scale from Full Function Configuration"](#) on page 20.
 - ["Removing the 7895 Scanner/Scale from Card Only Self-Checkout \(7372\) Configuration"](#) on page 44.
 - a. Remove the Scanner Top Plate. For more information, refer to ["Removing the 7895 Scanner/Scale Top Plate"](#) on page 25.
2. Do the following:
 - a. Remove the Scanner/Scale. For more information, refer to ["Removing the 7895 Scanner/Scale from Full Function Configuration"](#) on page 20.
 - b. Remove the Scanner Top Plate. For more information, refer to ["Removing the 7895 Scanner/Scale Top Plate"](#) on page 25.
3. Using your thumb, lift the center of the Tower Cover to disengage and remove it from the tower housing.



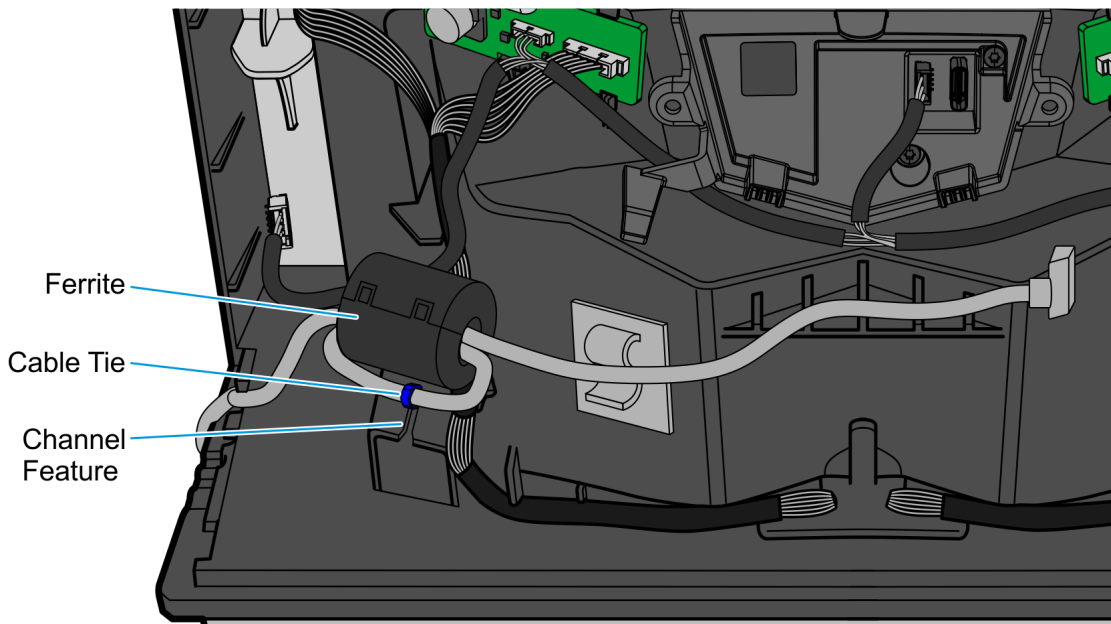
CCP-80634

4. Disconnect the USB Cable from the Color Camera Assembly.



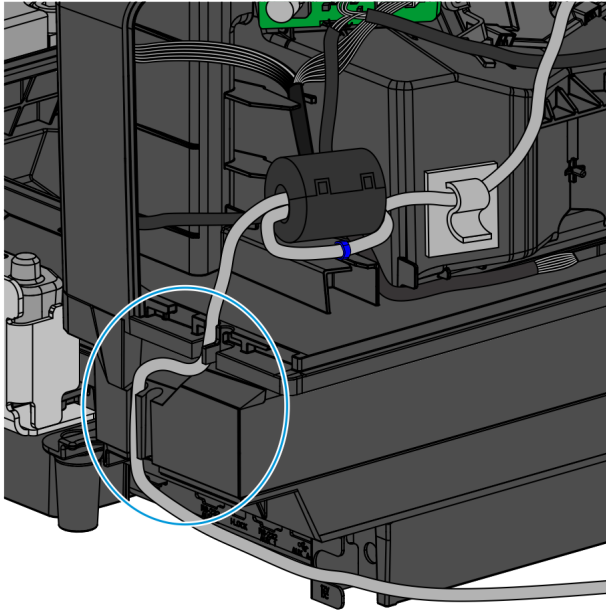
CCP-80963

5. Pull out the cable tie to disengage the ferrite of the Color Camera USB Cable from the Channel Feature of the tower housing.



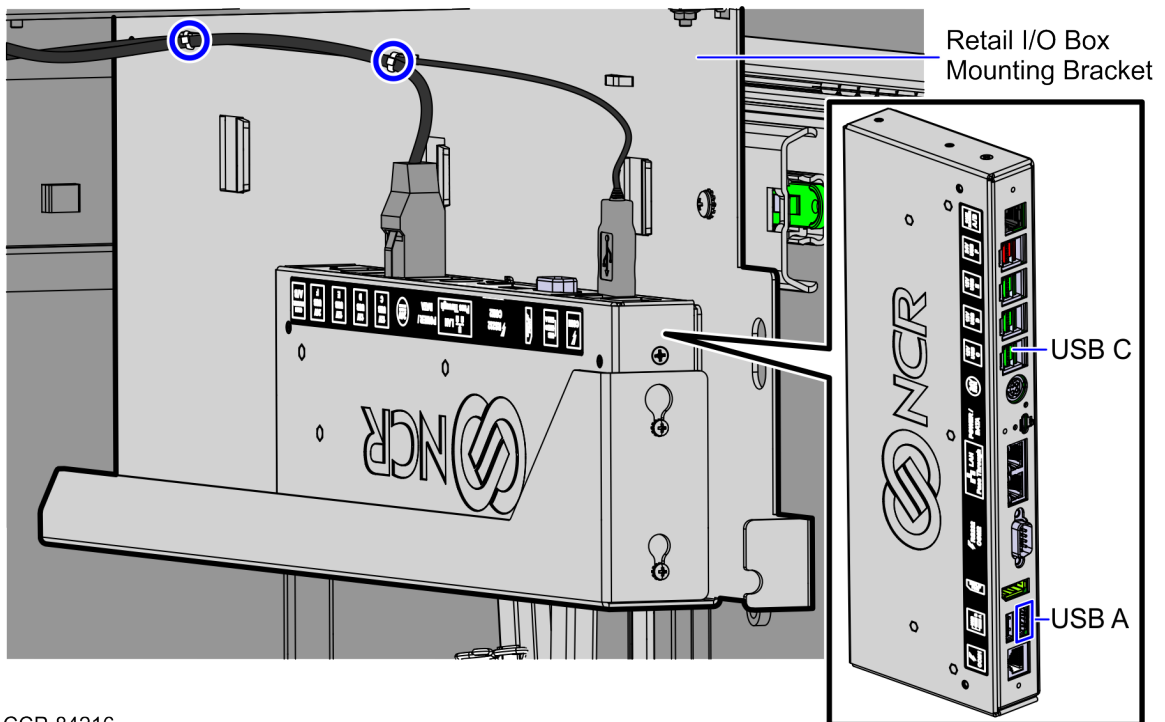
CCP-80962

6. Remove the USB Cable from the cable exit slot on the side of the tower.



CCP-80961

7. Disconnect the USB Camera cable from the Retail I/O Box (USB 3.0 Port A).



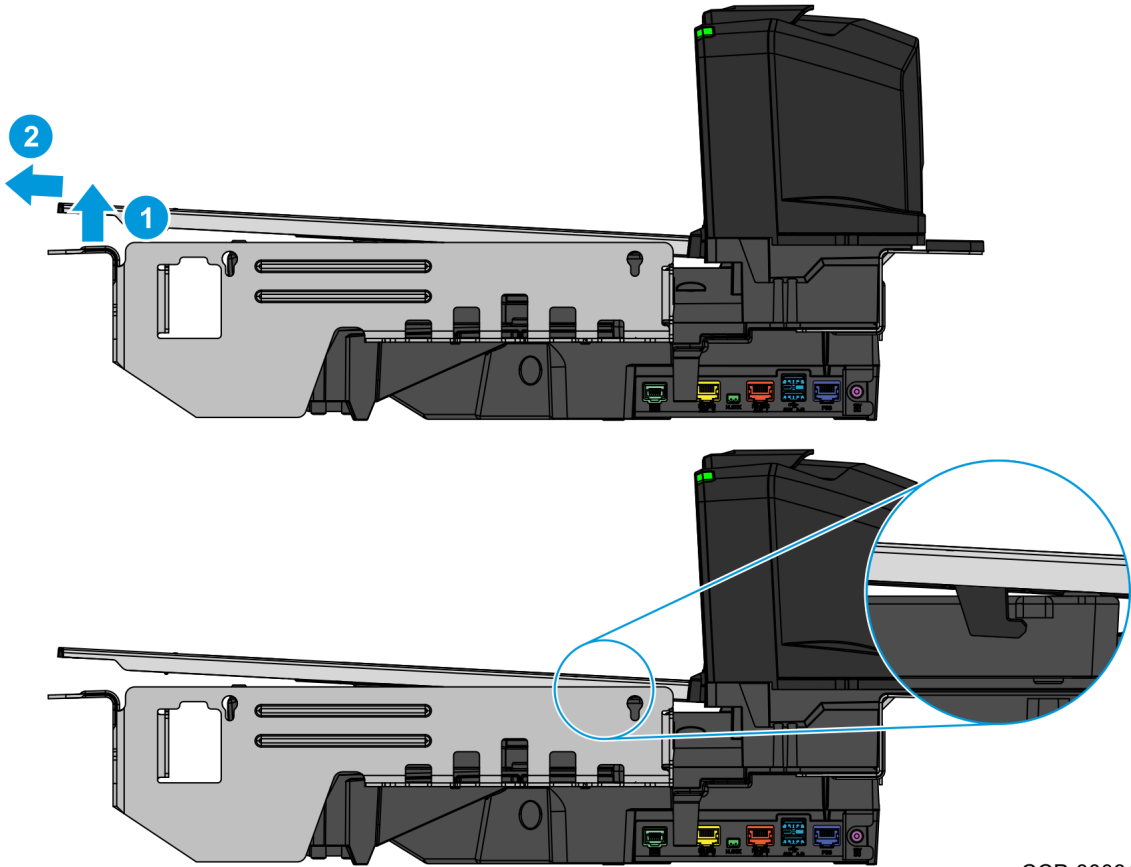
CCP-84216

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Removing the 7895 Scanner/Scale Top Plate

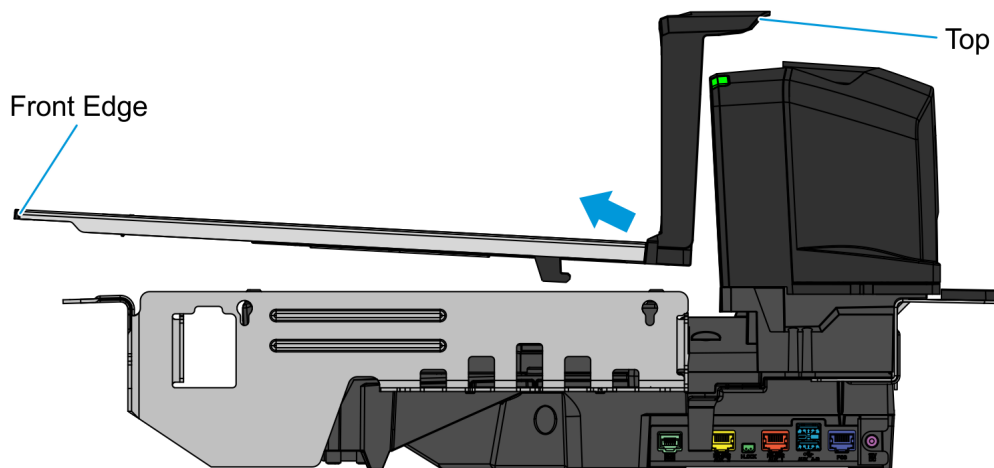
To remove the 7895 Scanner/Scale Top Plate, follow these steps:

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.



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



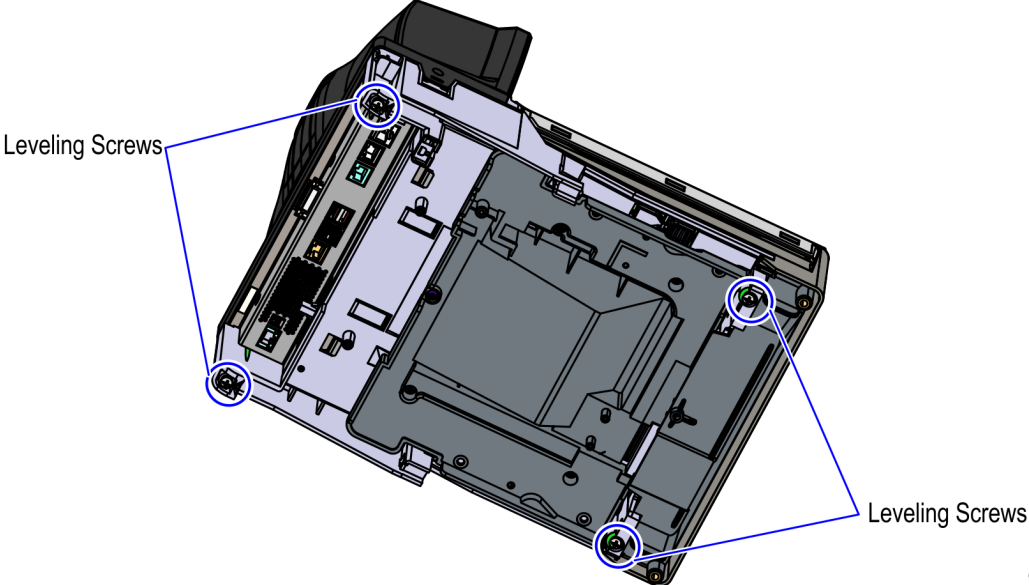
CCP-80080

Installing the NCR RealScan™ 79 Bi–Optic Imager Scanner/Scale (7879e)

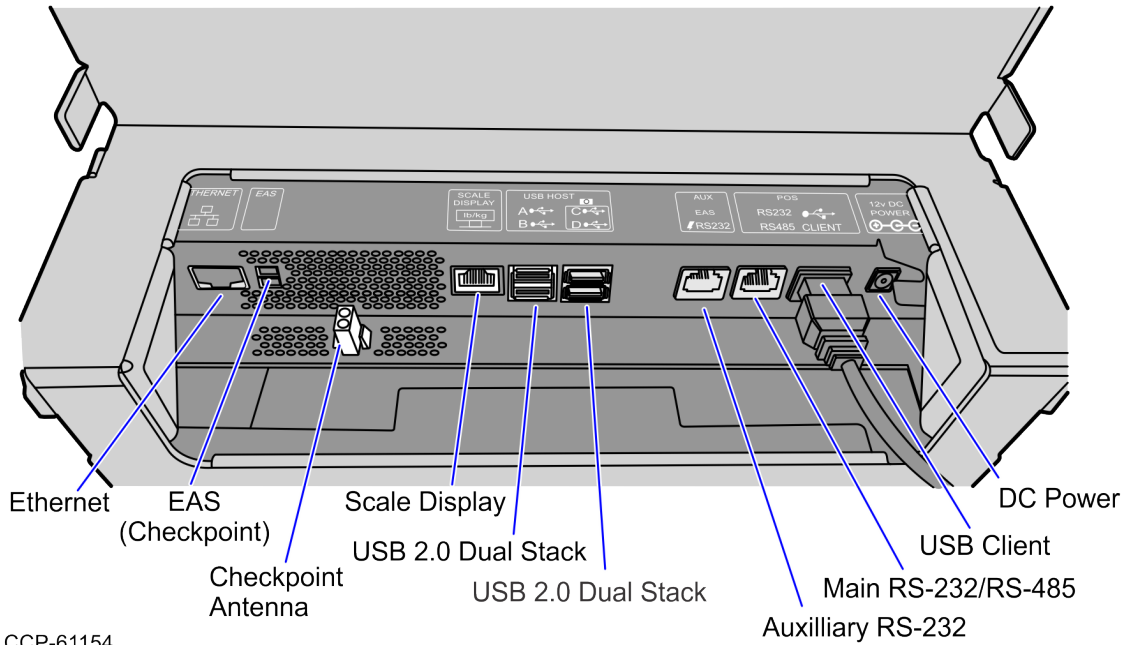
To install the NCR RealScan™ 79 Bi–Optic Imager Scanner/Scale (7879), follow these steps:

Note
Ensure that the host terminal is turned off before connecting the USB cable.

1. Check and ensure that the leveling screws of the Scanner/Scale are leveled. If necessary, adjust the four (4) leveling screws located on the bottom of the device.



2. Connect the scanner cable to the **USB Client** port on the RealScan 79 (7879).



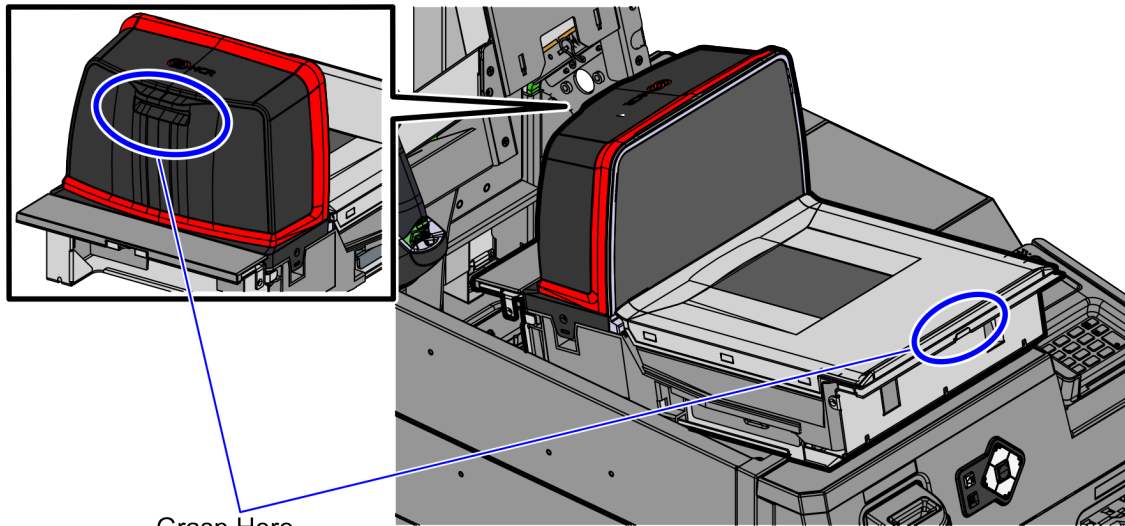
⚠ Caution

Check and ensure that the right cable is correctly plugged into the 7879e Scanner/Scale.

📄 Note

To streamline the installation procedure, install the Sensormatic® components before installing the Scanner/Scale in the Self-Checkout unit. For more information about installing the Sensormatic®, refer to *NCR RealScan™ 79 (7879) User Documentation (B005-0000-2299)*.

3. Place the Scanner/Scale in the scanner bucket.



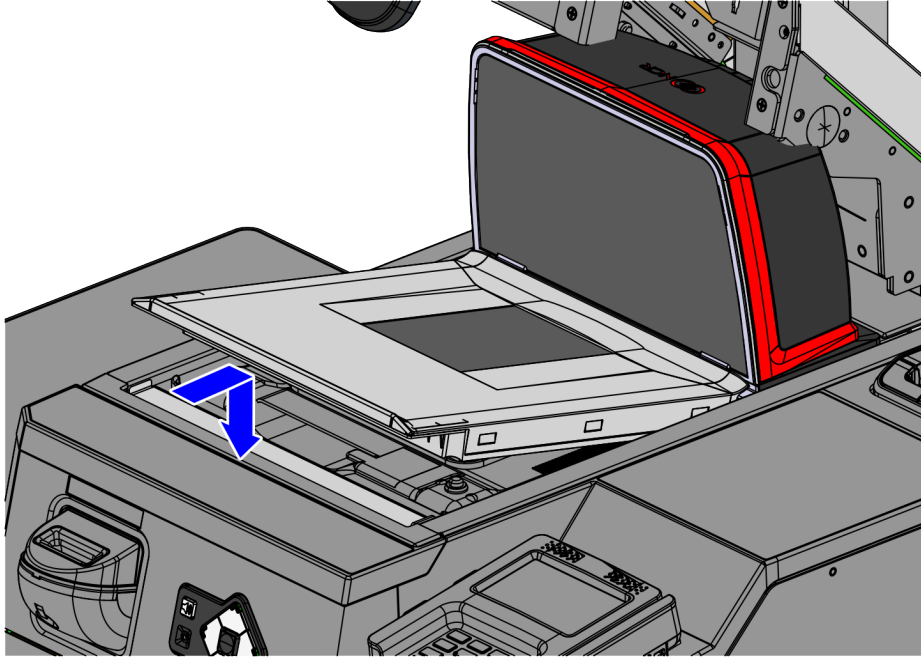
CCP-84208

4. Verify that the Scanner/Scale Top Plate is correctly aligned with the top of the Scanner Bucket. The sides of the Top Plate must not be higher than the top surface of the SelfServ Checkout unit.

Note

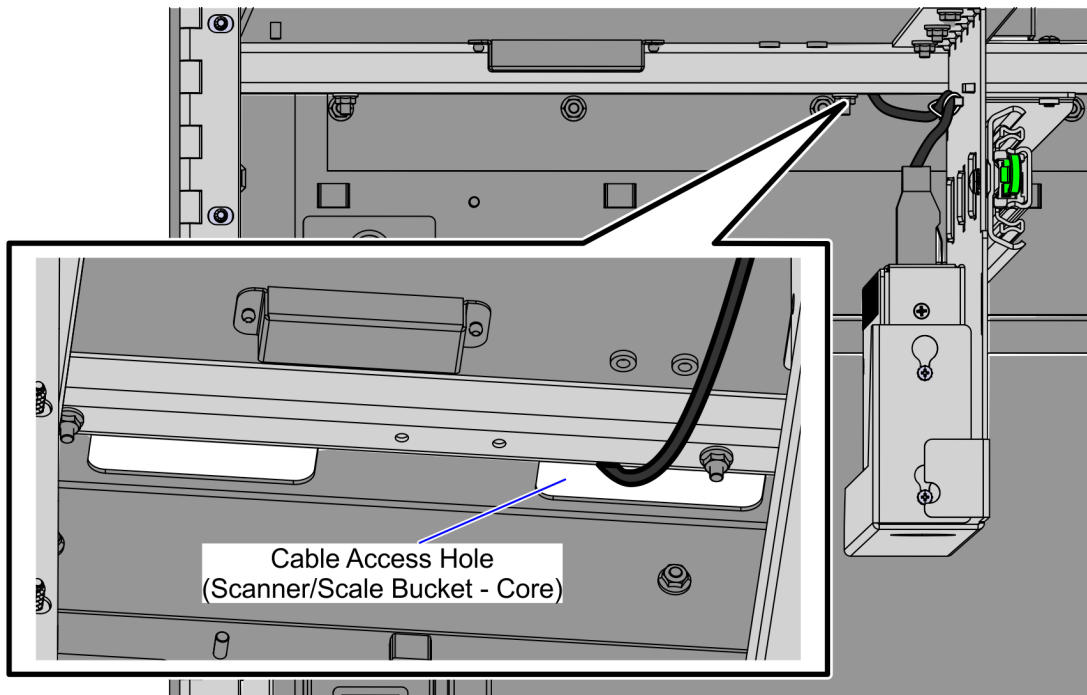
If necessary, remove the Scanner/Scale from the unit and adjust the leveling feet.

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



CCP-84283

1. From the Scanner Bucket, route the cable down through the cable access hole going to the Core (Cabinet), as shown in the image below.



CCP-83864

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2. Connect the other end of the Scanner/Scale cable to the Retail I/O Box **USB Power Port C +12V**.

 **Caution**

Check and ensure that the right cable is correctly plugged into the Scanner/Scale.

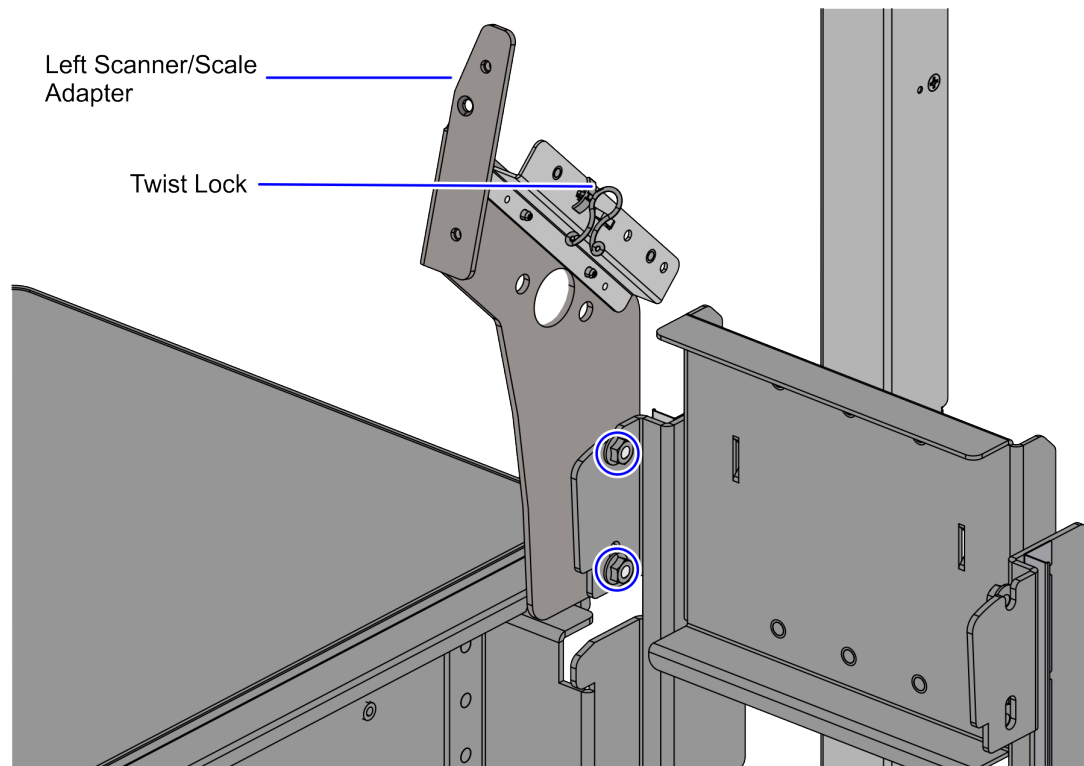
 **Note**

The Scanner/Scale must be calibrated before the system goes live. For more information, refer to NCR RealScan™ 79 (7879) User Documentation (B005-0000-2299).

Installing the Scanner/Scale Adapter on Card Only Self-Checkout (7372) Configuration

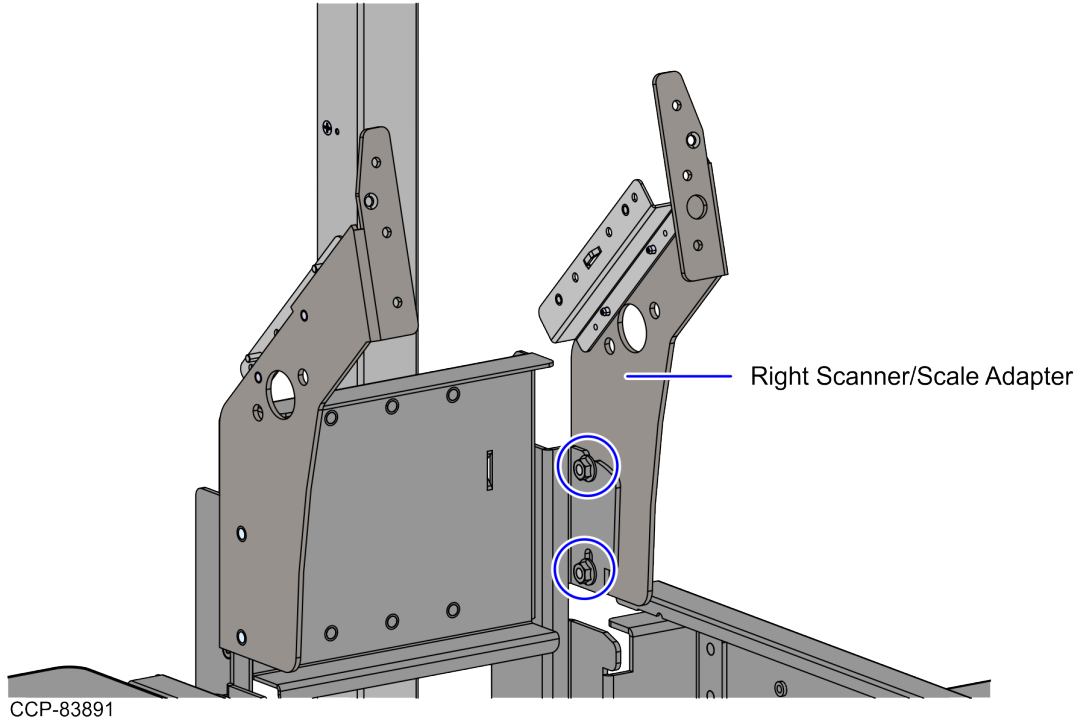
To install the Scanner/Scale Adapter, follow these steps:

1. Remove the existing Scanner/Scale Adapter, if necessary. For more information, refer to "[Removing the Scanner/Scale Adapter](#)" on page 37.
2. Do the following:
 - a. Mount the Left Scanner/Scale Adapter into the holes on the frame and then secure using two (2) nuts.
 - b. Attach the twist lock, as shown in the image below.



CCP-83890

- c. Mount the Right Scanner/Scale Adapter into the holes on the frame and then secure using two (2) nuts, as shown in the image below.



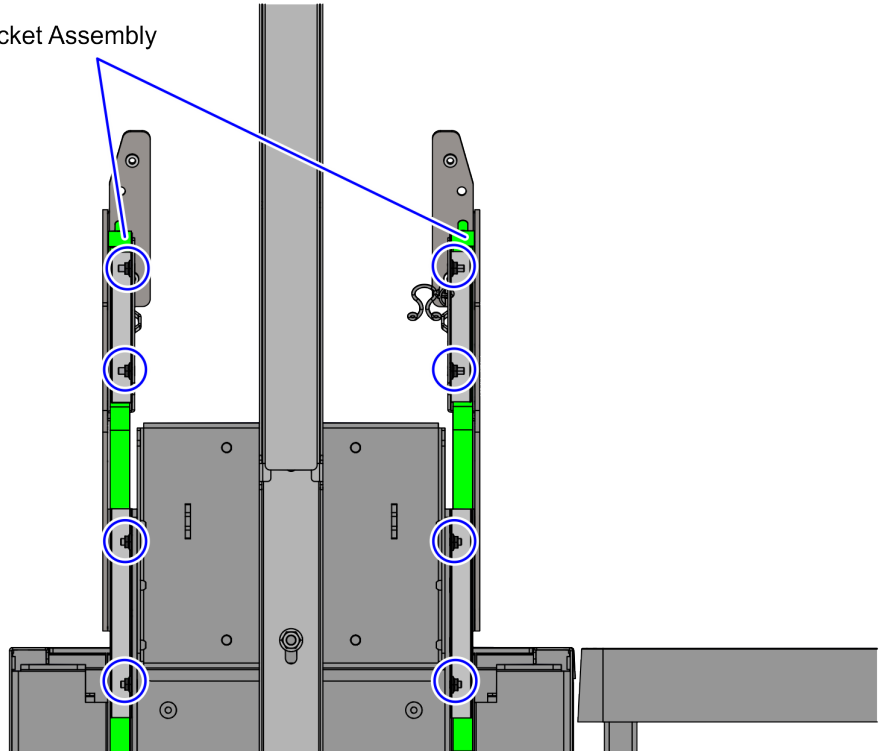
3. Install the LED Strip Bracket assemblies by doing the following:

Note

These LED Strip Bracket assemblies were removed and set aside when the existing the Scanner Adapters were removed.

- a. Mount each of the LED Strip Bracket assemblies onto the four (4) studs on each Scanner/Scale Adapter.
- b. Secure the LED Strip Bracket assemblies using eight (8) nuts.

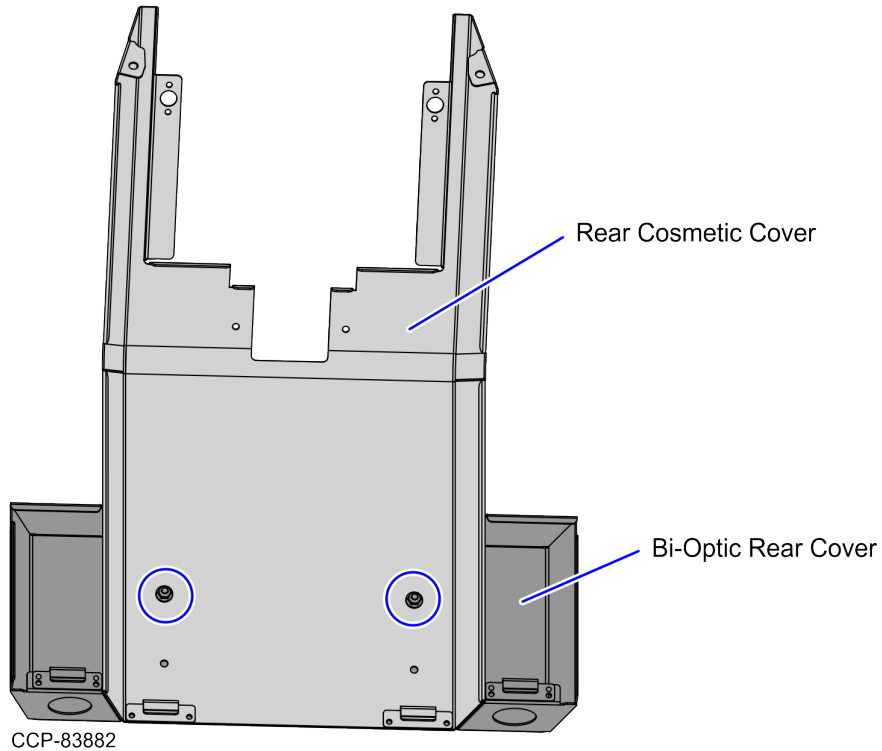
LED Strip Bracket Assembly



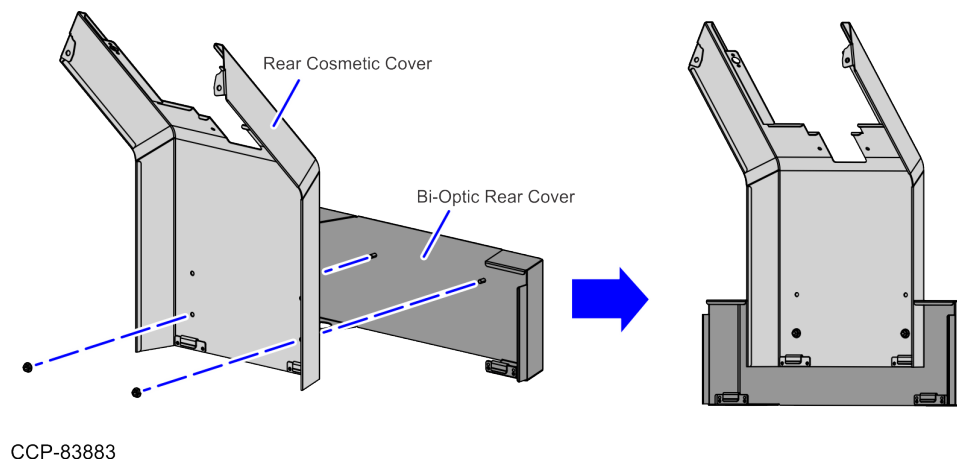
CCP-84214

4. Reassemble the Bi-Optic Rear Cover and the Rear Cosmetic Cover by doing the following:

- a. Remove the nuts securing the Rear Cosmetic Cover to the Bi-Optic Rear Cover, as shown in the image below.

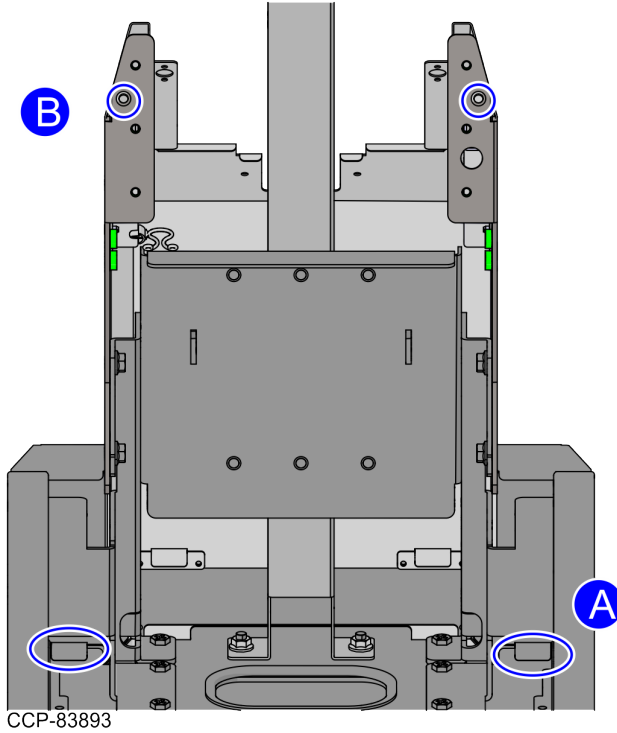


- b. Align and secure the two (2) studs of the Bi-Optic Rear Cover into the two (2) upper slots of the Rear Cosmetic Cover using two (2) nuts, as shown in the image below.

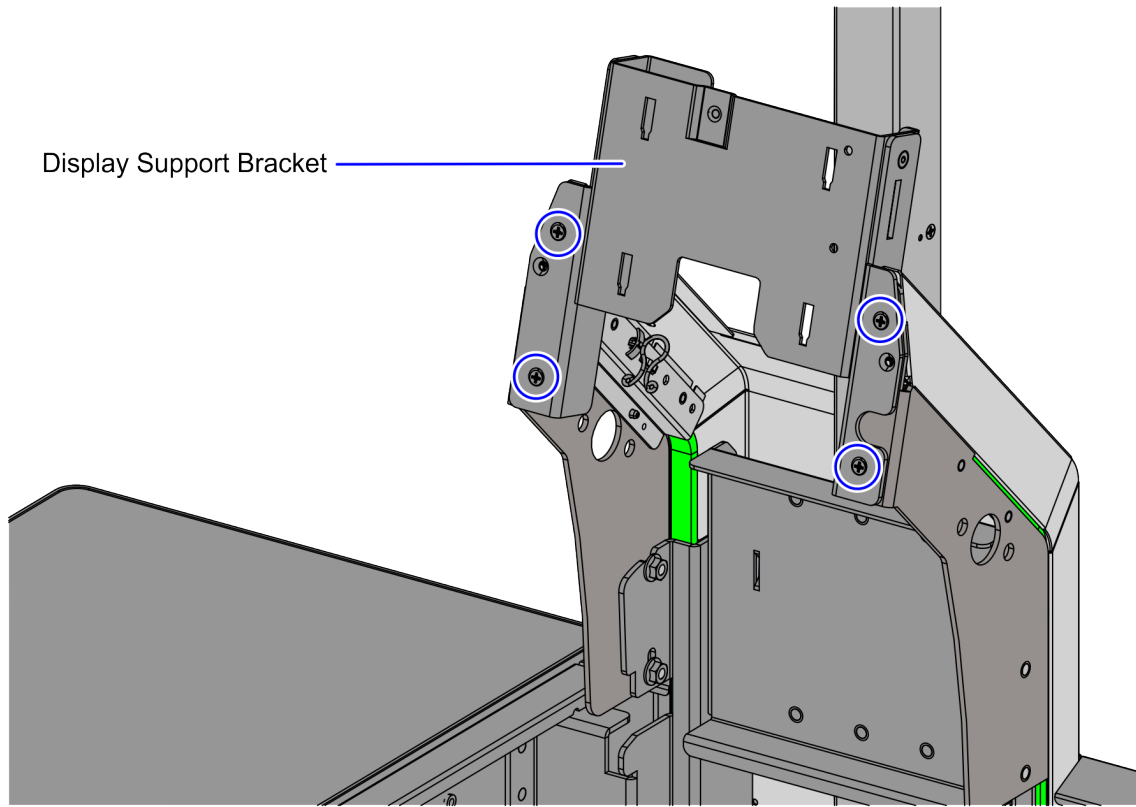


1. Do the following:

- a. Attach the Bi-Optic Rear Cover together with the Rear Cosmetic Cover to the Scanner/Scanner/Scale Bucket frame by engaging the two (2) hooks on the tabs of the Scanner/Scale Bucket.
- b. Secure the Rear Cosmetic Cover to the Scanner/Scale Adapters using two (2) screws, as shown in the image below.



2. Attach the Display Support Bracket on the Scanner/Scale Adapter using four (4) screws, as shown in the image below.



3. Install the 7879 Scanner/Scale. For more information, refer to ["Installing the NCR RealScan™ 79 Bi-Optic Imager Scanner/Scale \(7879e\)"](#) on page 47.

Removing the Scanner/Scale Adapter

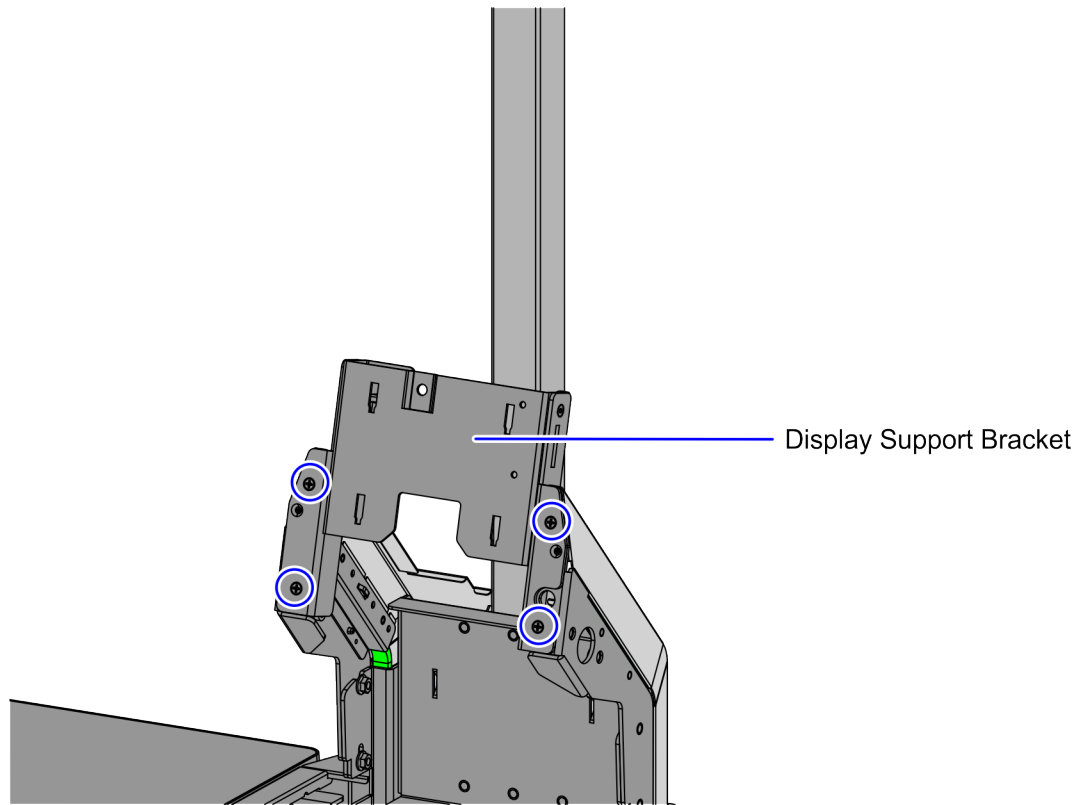
To remove the Scanner/Scale Adapter, follow these steps:

1. Turn off the 7371 SCO Full Function software and hardware systems.
2. Do the following, if necessary:
 - Remove the 7895 Scanner/Scale. For more information, refer to "[Removing the 7895 Scanner/Scale from Card Only Self-Checkout \(7372\) Configuration](#)" on page 1.
 - Remove the Terminal Display. For more information, refer to "[Removing the Terminal Display](#)" on page 1.
 - Remove the PIN Pad Arm. For more information, refer to "[Removing the PIN Pad Arm](#)" on page 1.
 - Remove the Handheld Scanner Arm. For more information, refer to "[Removing the Handheld Scanner Arm](#)" on page 1.

3. Remove and set aside four (4) screws to detach the Display Support Bracket from the Scanner/Scale Adapter.

 **Note**

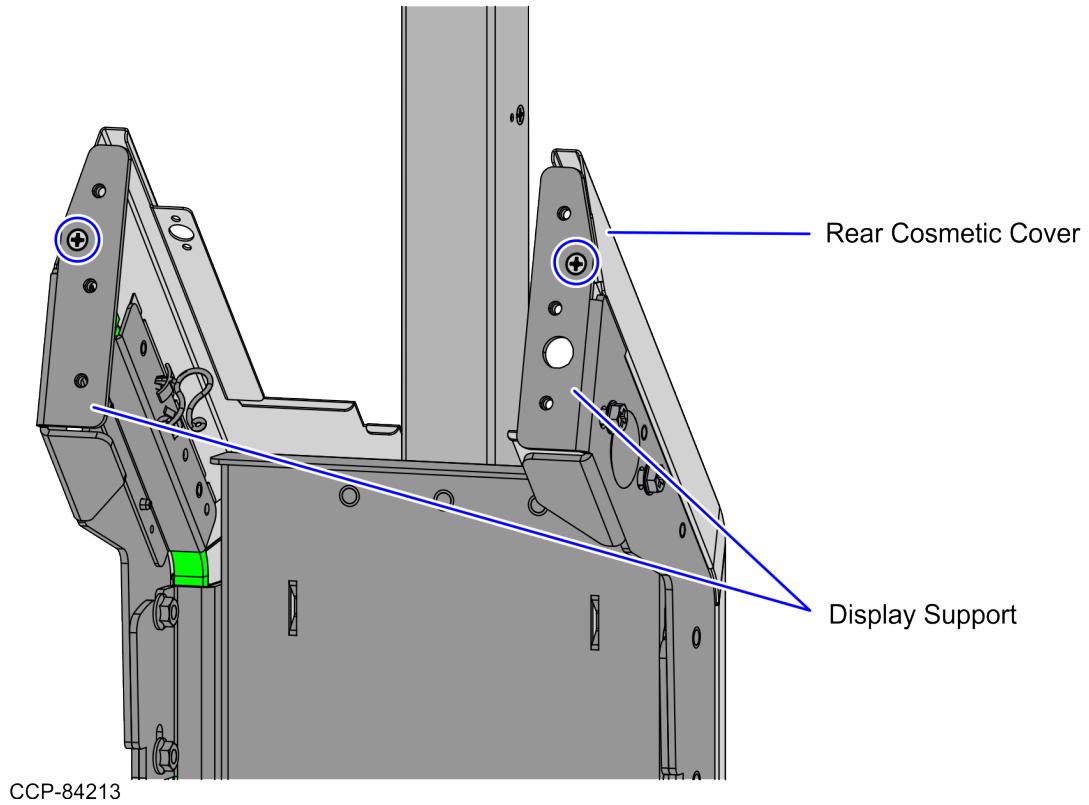
Set aside the screws for reinstallation.



4. Remove and set aside two (2) screws to detach the Rear Cosmetic Cover from the Scanner/Scale Adapters, as shown in the image below.

Note

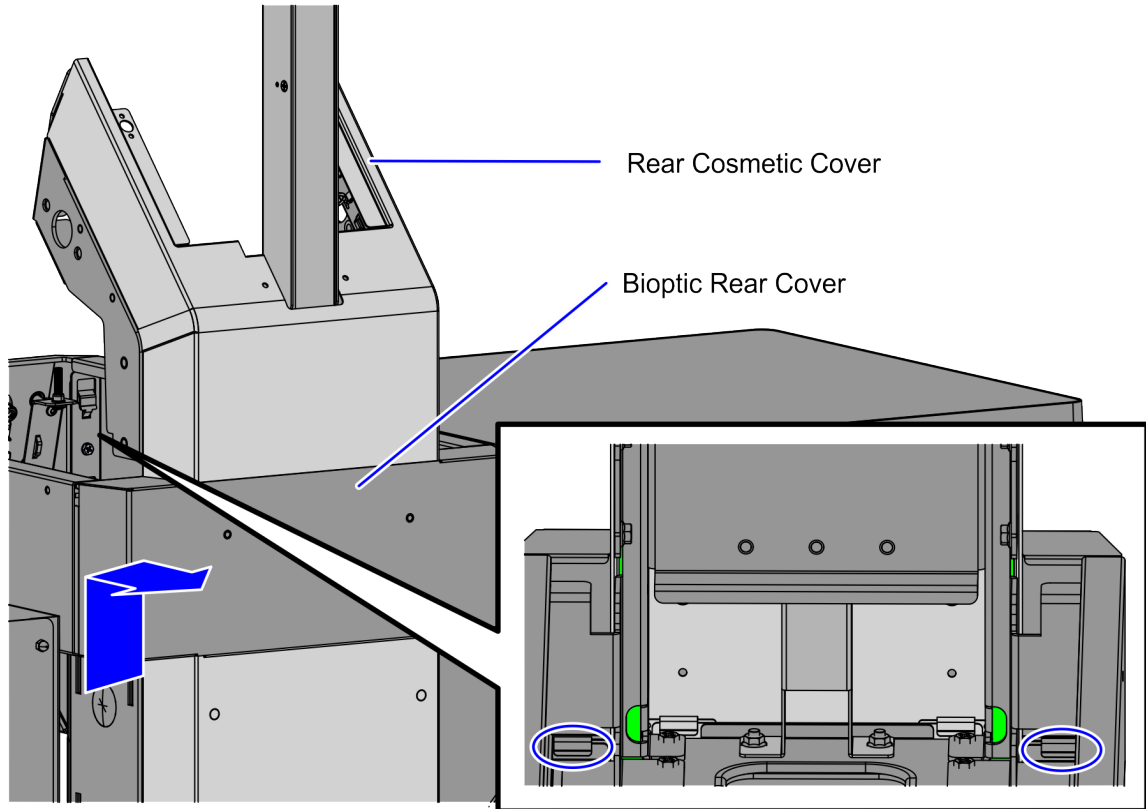
Set aside the screws for reinstallation.



5. Pull up the Rear Cover assembly to disengage the four (4) hooks from the tabs of the Scanner/Scale Bucket, as shown in the image below.

Note

Set aside the Rear Cover assembly for reinstallation.



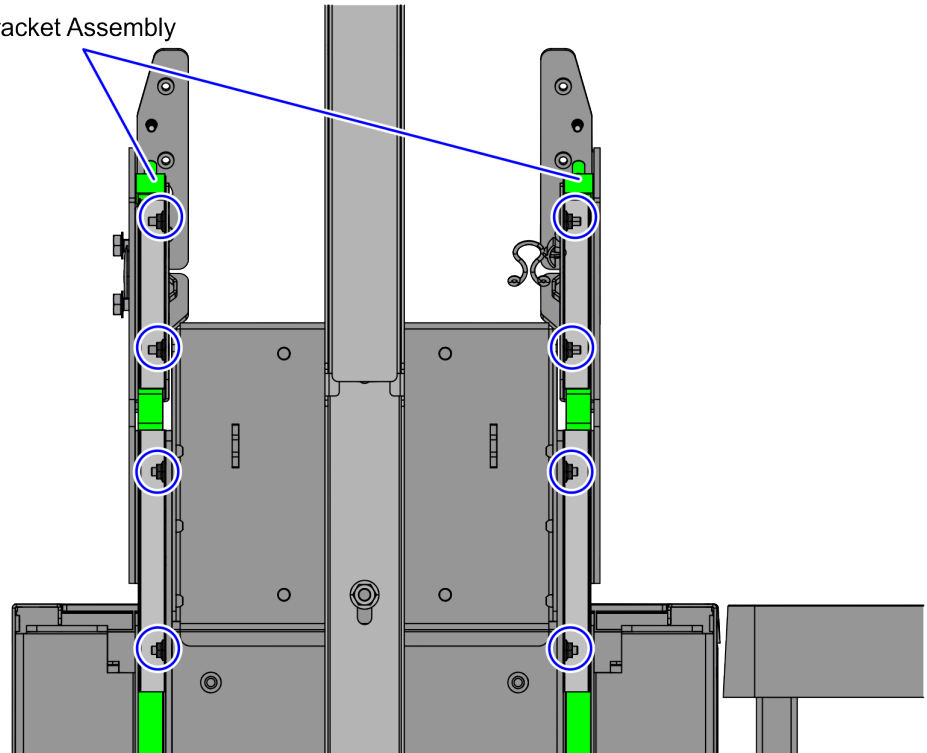
CCP-83889

6. Remove the LED Strip Bracket assemblies by doing the following:
 - a. Remove four (4) nuts from both sides of the Scanner/Scale Adapter to detach the LED Strip Bracket assemblies from the Scanner/Scale Adapter, as shown in the image below.

 **Note**

Set aside the nuts and the LED Strip Bracket assemblies for reinstallation.

LED Strip Bracket Assembly

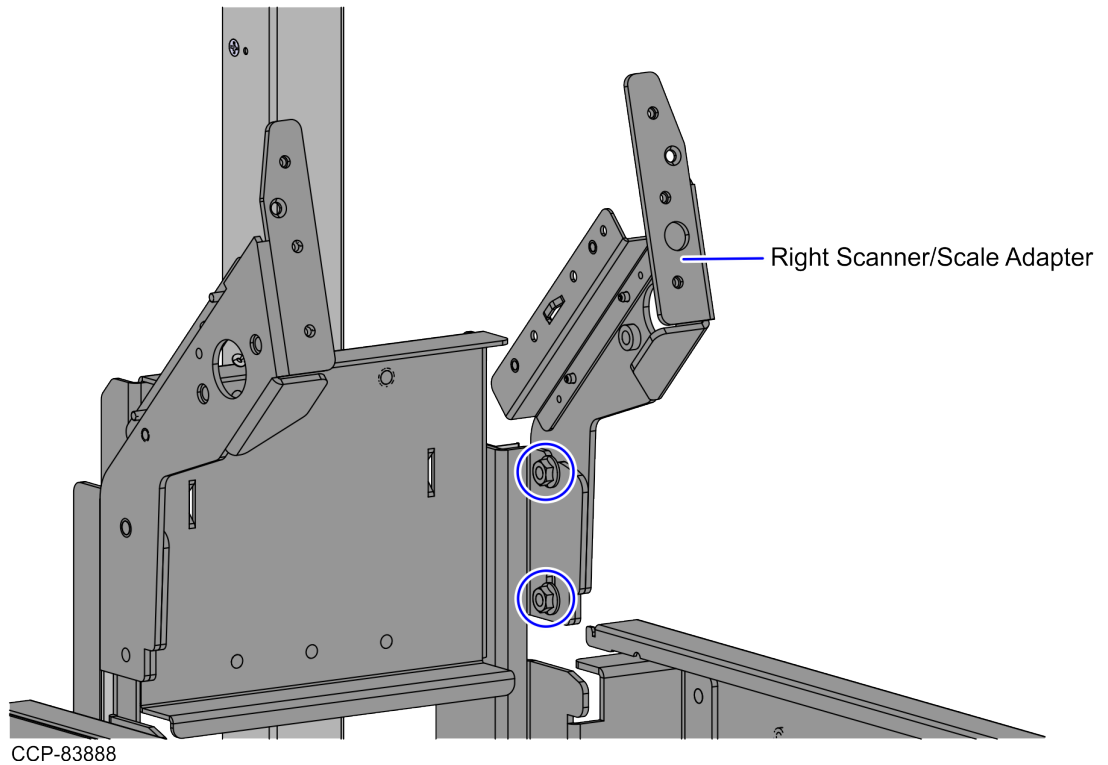


CCP-84215

- b. Disengage the LED Strip Bracket assemblies from the studs of the Scanner Adapter.

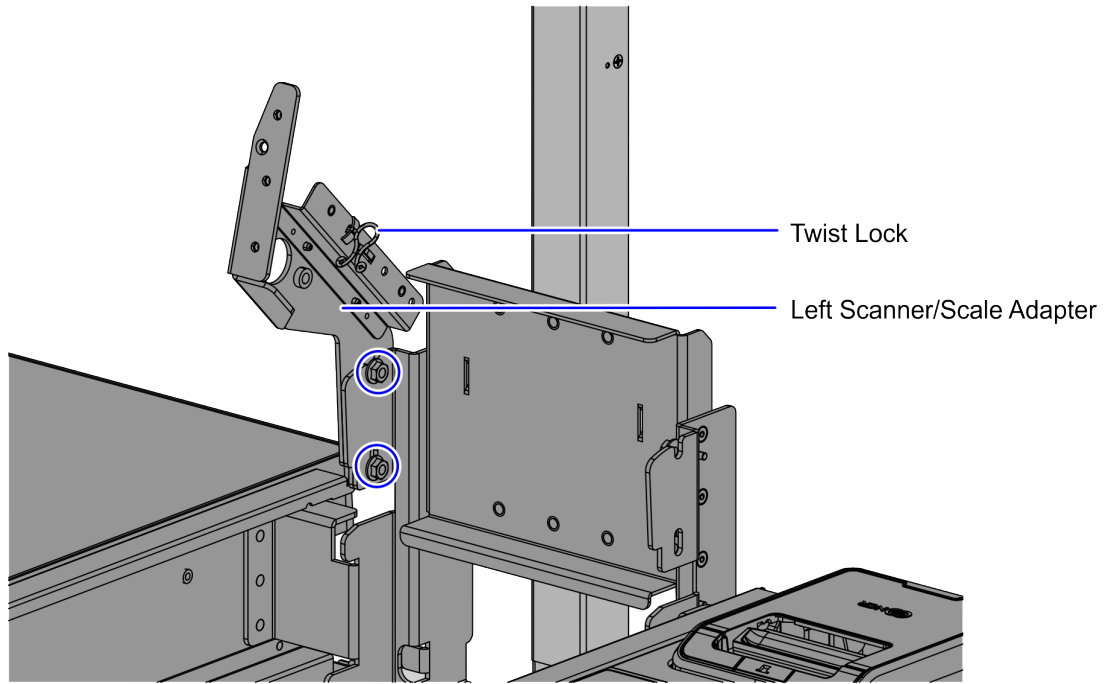
7. Do the following:

- Remove the two (2) nuts securing the Right Scanner/Scale Adapter to the frame, as shown in the image below.



- Remove the twist lock.

- Remove the two (2) nuts securing the Left Scanner Adapter to the frame, as shown in the image below.

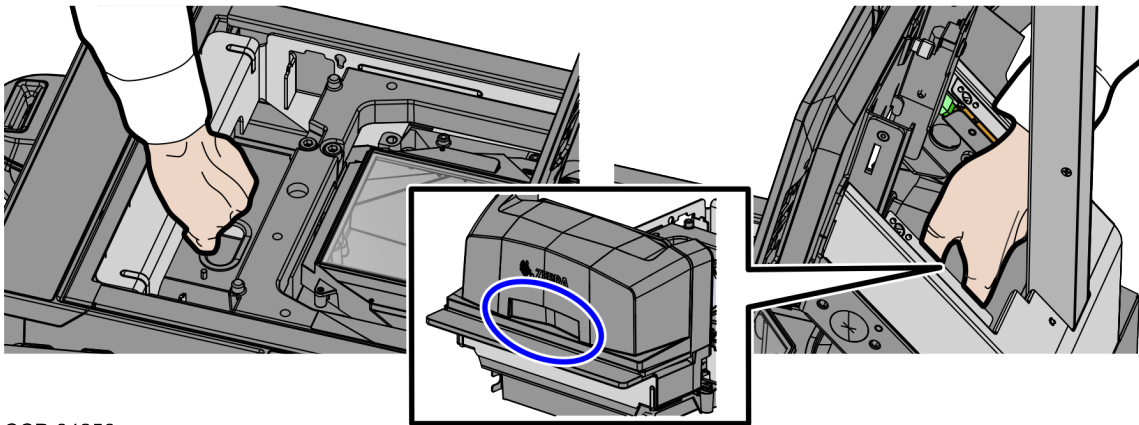


CCP-83874

Removing the 7895 Scanner/Scale from Card Only Self-Checkout (7372) Configuration

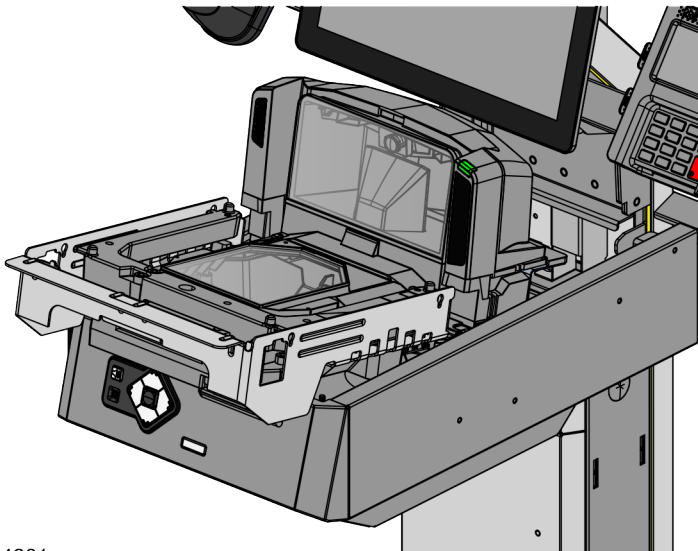
To remove the NCR 7895 Scanner/Scale, follow these steps:

1. Remove the Scanner/Scale Top Plate. For more information, refer to "[Removing the 7895 Scanner/Scale Top Plate](#)" on page 25.
2. Grasp the front of the Scanner/Scale and the back of the Scanner/Scale through the Tower Cabinet rear opening, as shown in the image below.



CCP-84256

3. Lift the front handle of the Scanner/Scale and then push the back of the Scanner/Scale to the front to remove it from the Scanner Bucket, as shown in the image below.



CCP-84261

4. Disconnect the cables from the 7895 Scanner/Scale.

Note

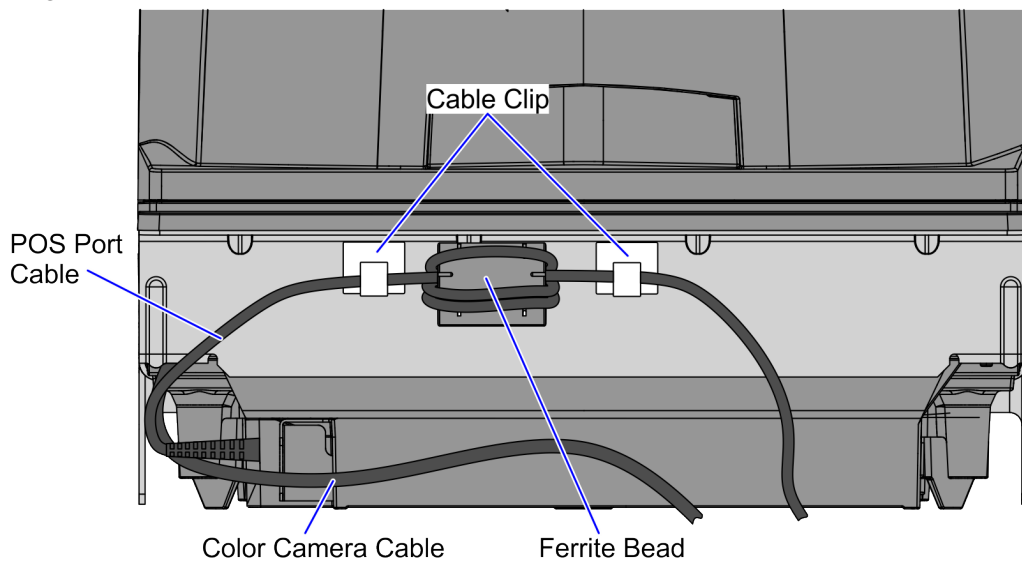
If removing Scanner/Scale with Sensormatic® features, remove the Sensormatic® Interface cable.

Tip

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

Cable	Scanner/Scale Port
Camera cable	Internal Port Note To remove the Camera cable from the Scanner/Scale, refer to " Removing the Color Camera USB Cable " on page 1.
Main cable	POS Port
Scale Display (If applicable)	7895 Single or Dual Head Scale Pole Display

5. Remove the POS Port cable from the cable clips at the back of the, as shown in the image below.



CCP-81947

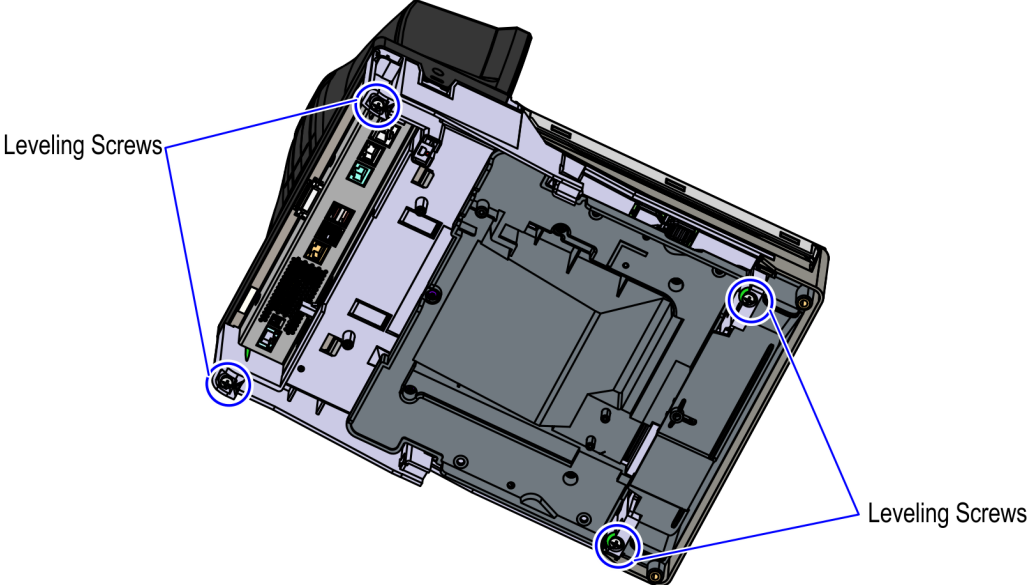
6. Bundle the disconnected cables in a loop and secure it in the Scanner Bucket.

Installing the NCR RealScan™ 79 Bi–Optic Imager Scanner/Scale (7879e)

To install the NCR RealScan™ 79 Bi–Optic Imager Scanner/Scale (7879), follow these steps:

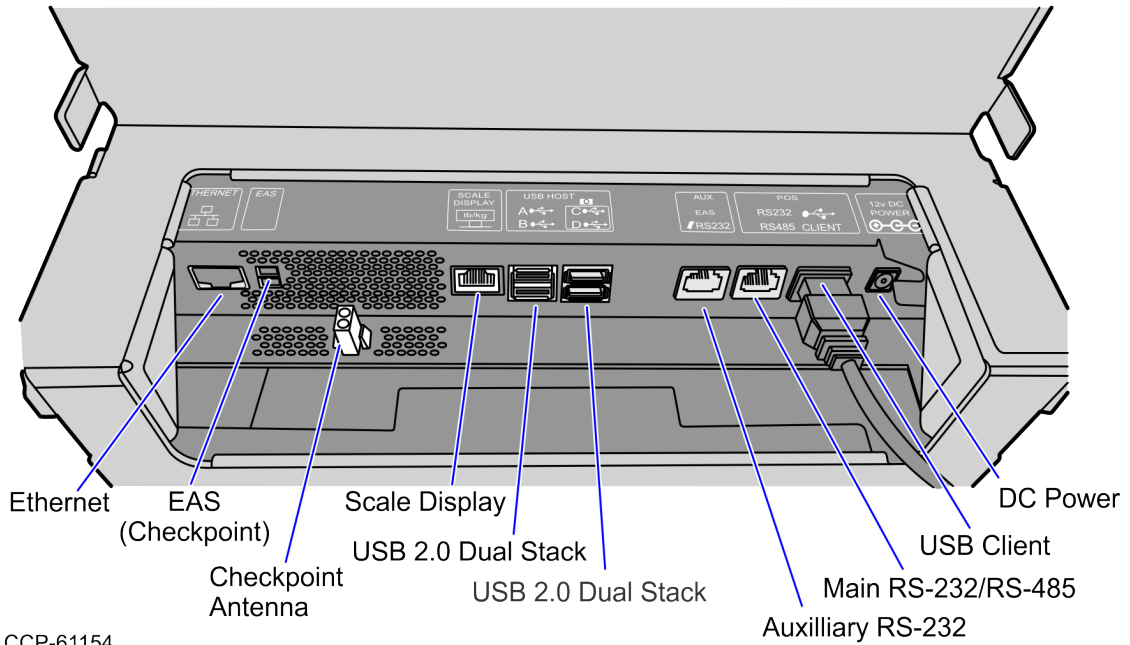
Note
Ensure that the host terminal is turned off before connecting the USB cable.

1. Level the Scanner/Scale by adjusting four (4) leveling screws located on the bottom of the unit.

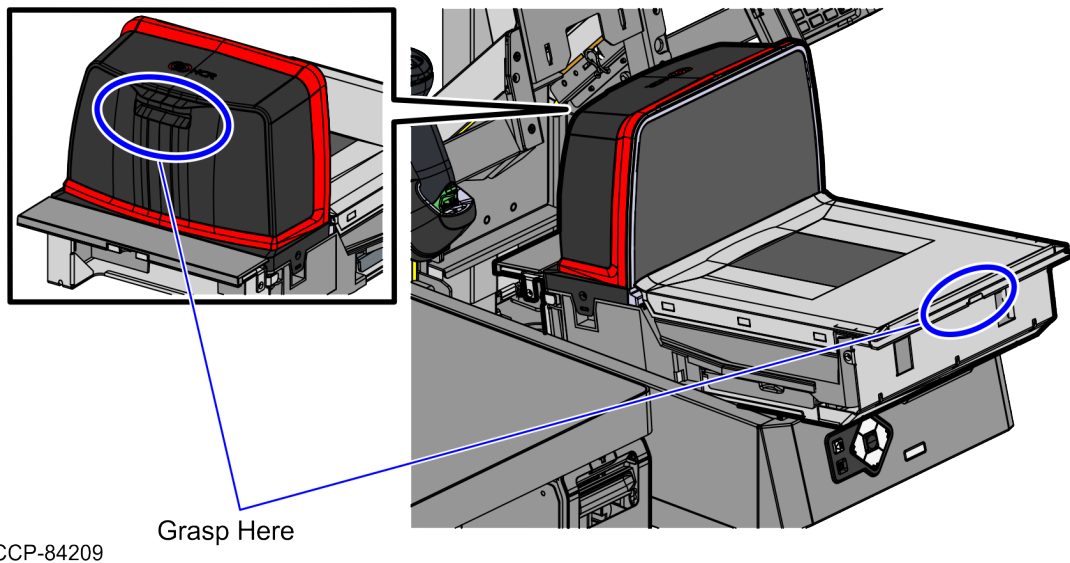


CCP-74500

2. Connect the scanner cable to the **USB Client** port on the RealScan 79 (7879).



3. Place the Scanner/Scale in the scanner bucket.

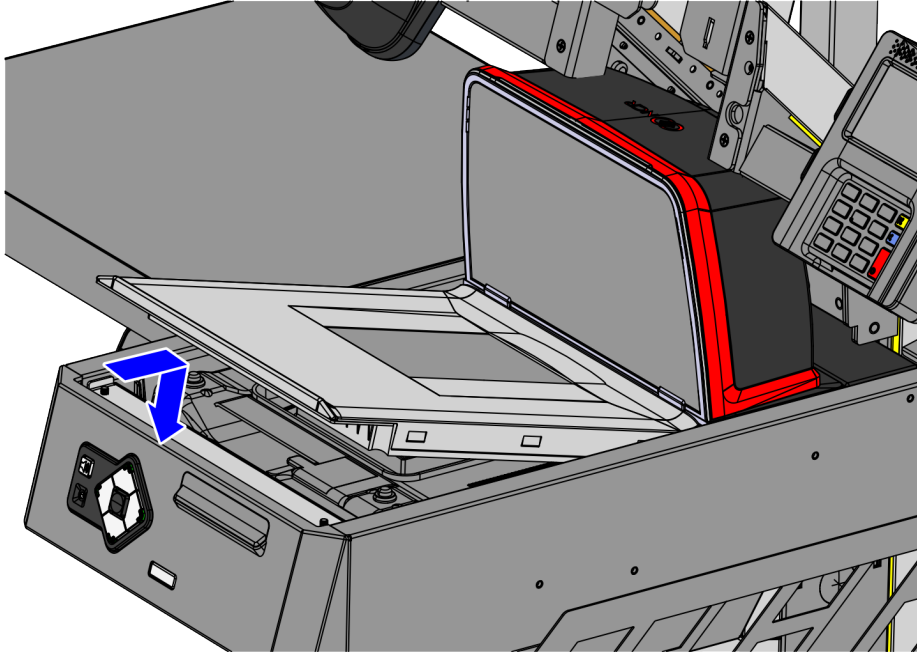


4. Verify that the Scanner/Scale Top Plate is correctly aligned with the top of the Scanner Bucket. The sides of the Top Plate must not be higher than the top surface of the SelfServ Checkout unit.

Note

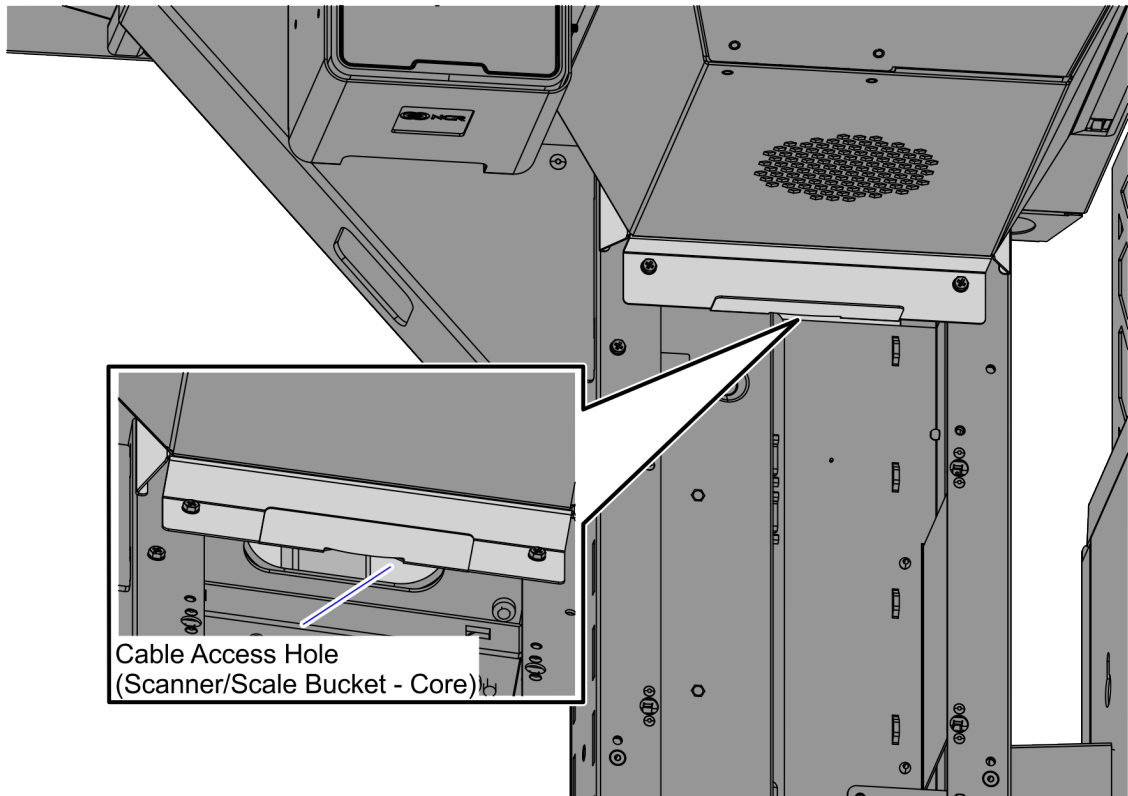
If necessary, remove the Scanner/Scale from the unit and adjust the leveling feet.

5. Place the Scanner/Scale in the scanner bucket.



CCP-84284

1. From the Scanner Bucket, route the cable down through the cable access hole going to the Core (Cabinet), as shown in the image below.



CCP-84285

2. Connect the other end of the Scanner/Scale cable to the Retail I/O Box **USB Power Port C +12V**.

⚠ Caution

Check and ensure that the right cable is correctly plugged into the Scanner/Scale.

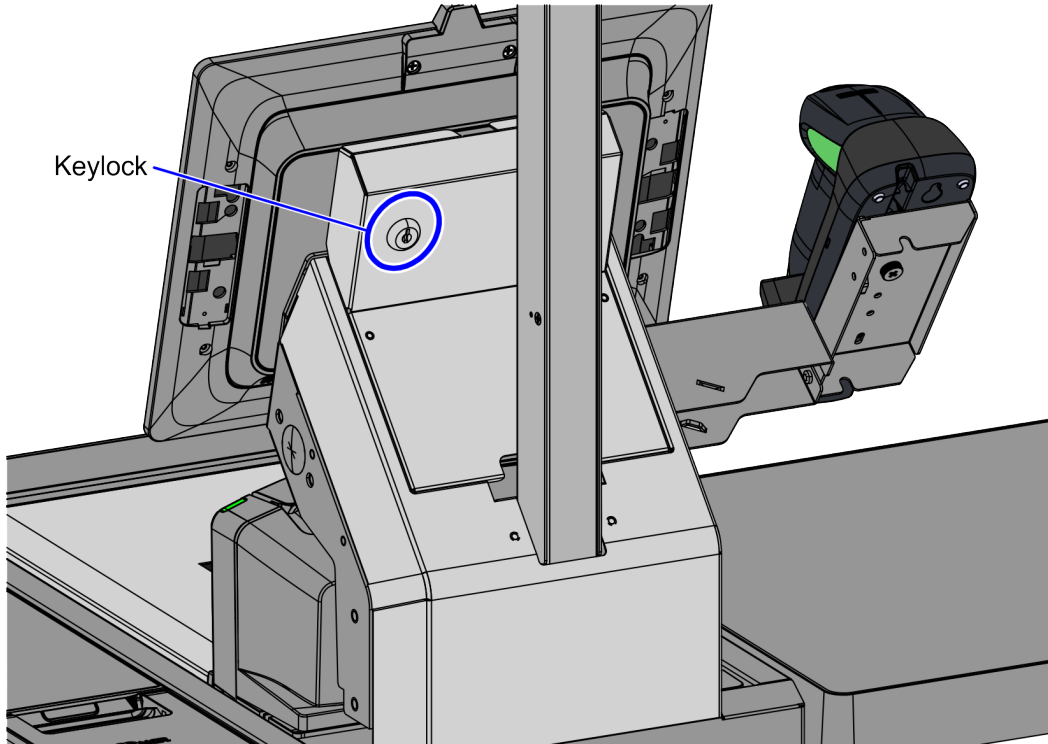
📄 Note

The Scanner/Scale must be calibrated before the system goes live. For more information, refer to *NCR RealScan™ 79 (7879) User Documentation (B005-0000-2299)*.

Opening the Tower Cabinet

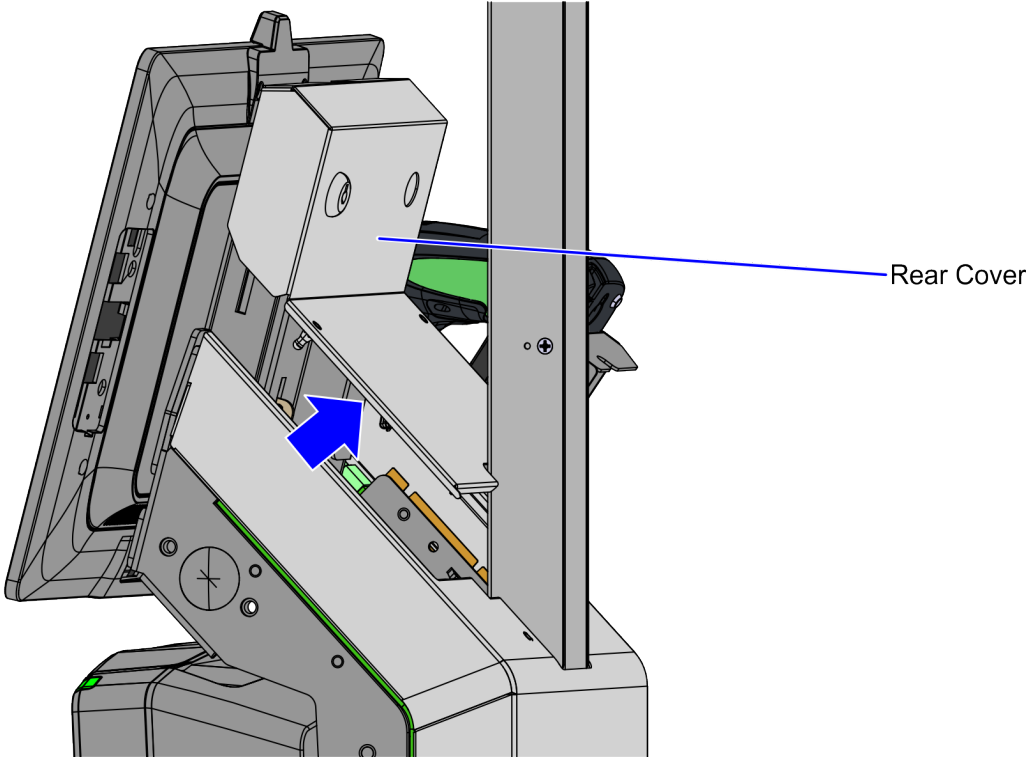
To open the Tower Cabinet, follow these steps;

1. Unlock the Rear Cover of the Tower Cabinet, as shown in the image below.



CCP-83498

2. Remove the Rear Cover from the Tower Cabinet.

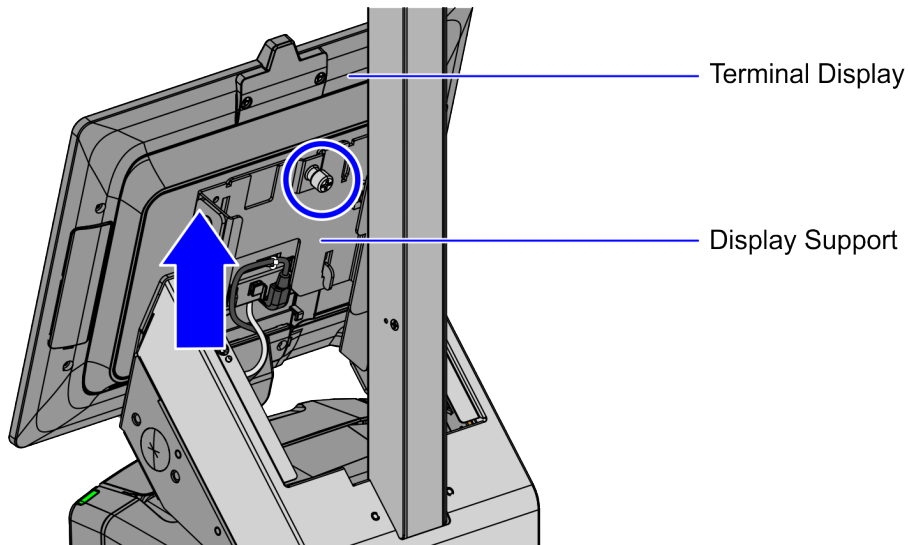


CCP-84109

Removing the Terminal Display

To remove the Terminal Display, follow these steps:

1. Turn off the 7371 SCO Full Function software and hardware systems.
2. Open the Tower Cabinet. For more information, refer to "[Opening the Tower Cabinet](#)" on page 51.
3. Loosen the thumb screw and slide the Terminal Display up to remove it from the Display Support, as shown in the image below.



CCP-83859

4. Disconnect the cables from the Terminal Display.

Tip

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

Removing the PIN Pad Arm

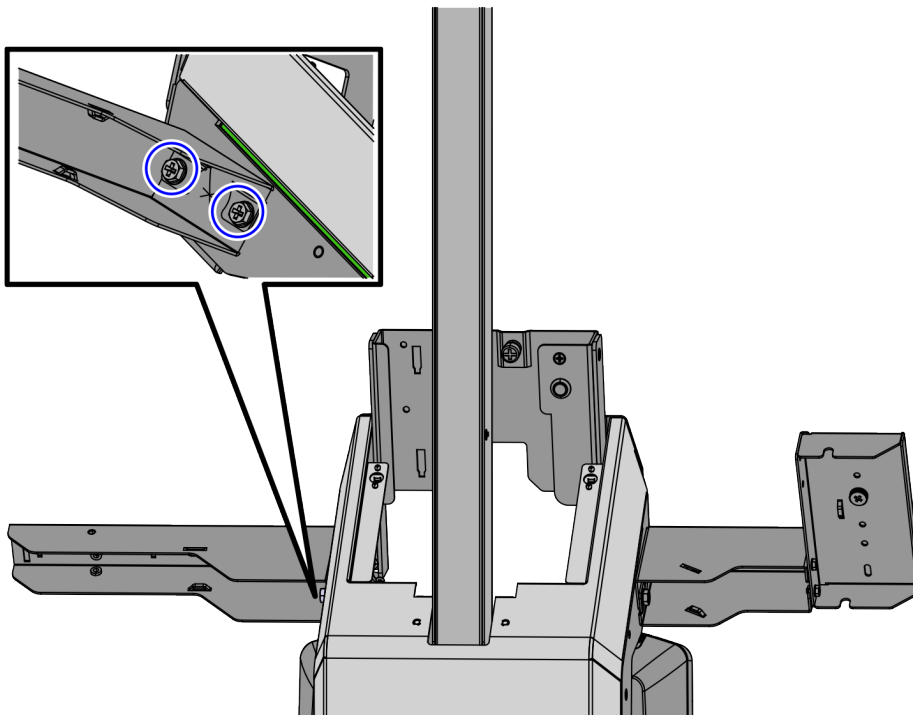
To remove the PIN Pad Arm, follow these steps:

1. Remove the PIN Pad device.

Note

For more information on removing the PIN Pad devices, refer to [7371 SCO Full Function Hardware Service Guide](#) (BCC5-0000-5632).

2. At the back of the PIN Pad Arm, remove the two (2) screws securing the PIN Pad Arm to the Scanner Adapter, as shown in the image below.



CCP-84217

Removing the Handheld Scanner Arm

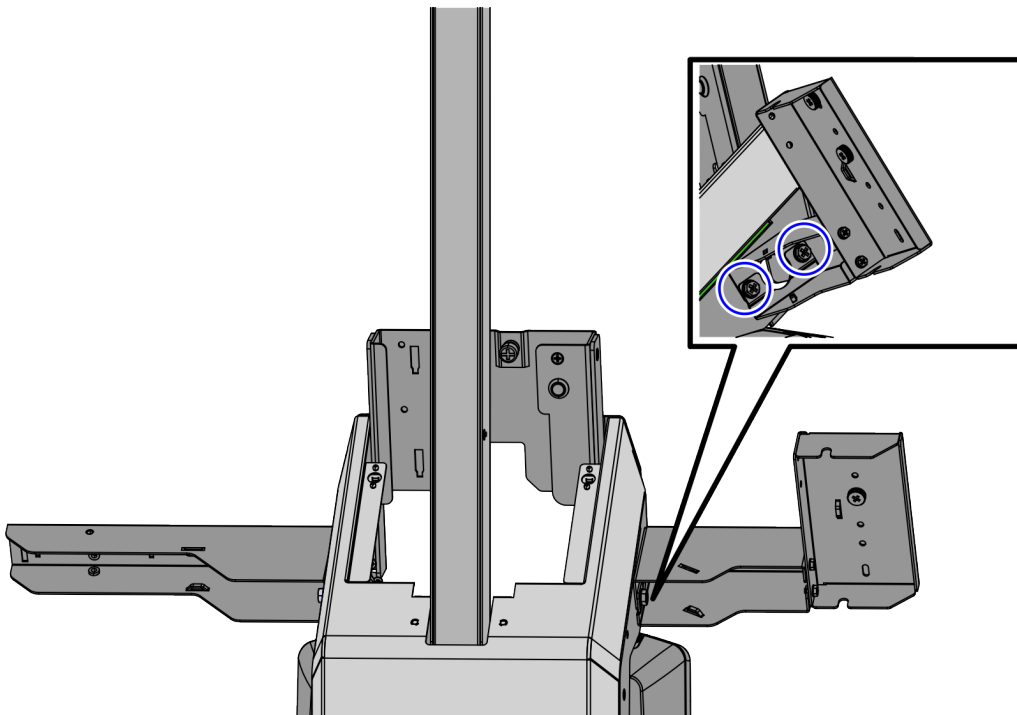
To remove the Handheld Scanner Arm, follow these steps:

1. Remove the Handheld Scanner, if necessary.

Note

For more information on removing the Handheld Scanner devices, refer to [7371 SCO Full Function Hardware Service Guide](#) (BCC5-0000-5632).

2. At the back of the Handheld Scanner Arm, remove the two (2) screws securing the Handheld Scanner Arm to the Scanner Adapter, as shown in the image below.



CCP-83871