Kit Instructions

Color Upgrade for 7895 Monochrome Models

7895-K400
Issue A

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Revision Record

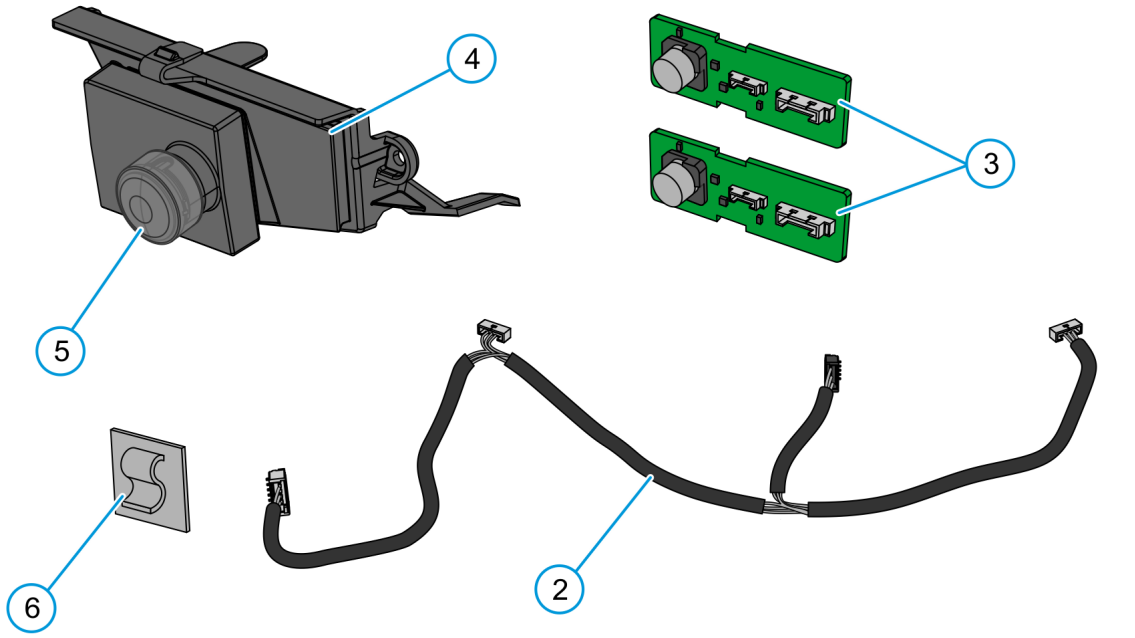
Issue	Date	Remarks
A	Jun 2022	First Issue

Color Upgrade for 7895 Monochrome Models

This publication provides procedures for installing the Color Upgrade kit to Common Product Name monochrome models. This kit may be used for Self-Checkout (SCO) units and Assisted Lane units.

Note: For NCR 7895 Assisted Lane units, *Scanner Color Camera USB3 Type C to Type A - 3m* (1432-C891-0030) must be ordered separately and must be available upon installation of the 7895-K400 kit.

Kit Contents



CCP-83399

Part Number		Description
497-0532681		7895-K400 Color Upgrade for 7895 Monochrome Models
*	1	Service Label
	2	Color Camera Harness
	3	Illumination Board
	4	Color Camera Housing
	5	Color Camera Lens Cover
	6	Cable Clip

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

Installation Procedure

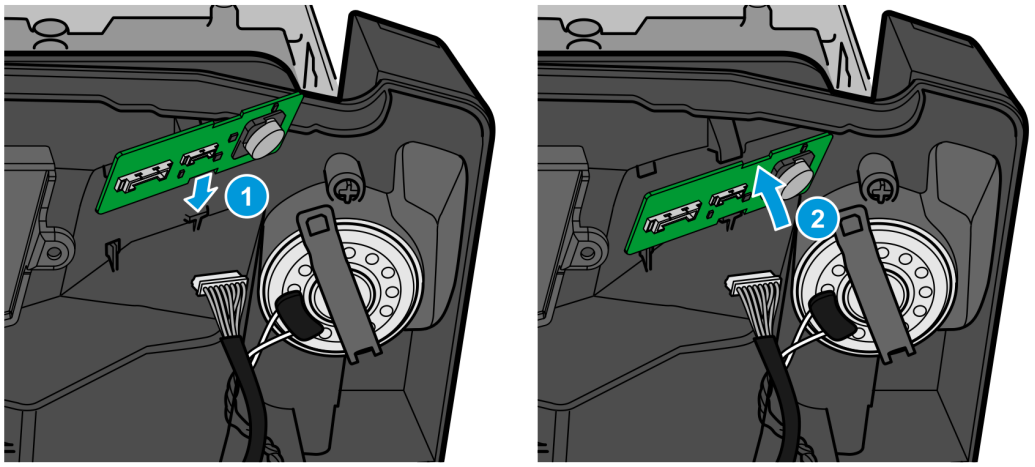
! Important: Perform color camera installation in a clean environment to prevent dust or any foreign matter from entering the optical chamber.

To install the Color Upgrade kit on NCR 7895 Monochrome models, follow these steps:

1. Remove the Top Plate and then the Tower Cover. For more information, refer to *Accessing Scanner Components* on page 10.
2. Air-blow the inner tower housing to remove any dust buildup.
3. Remove the left and right Monochrome Illumination Boards. For more information, refer to *Removing the Monochrome Illumination Board* on page 16.
4. Install the Color Illumination Boards.

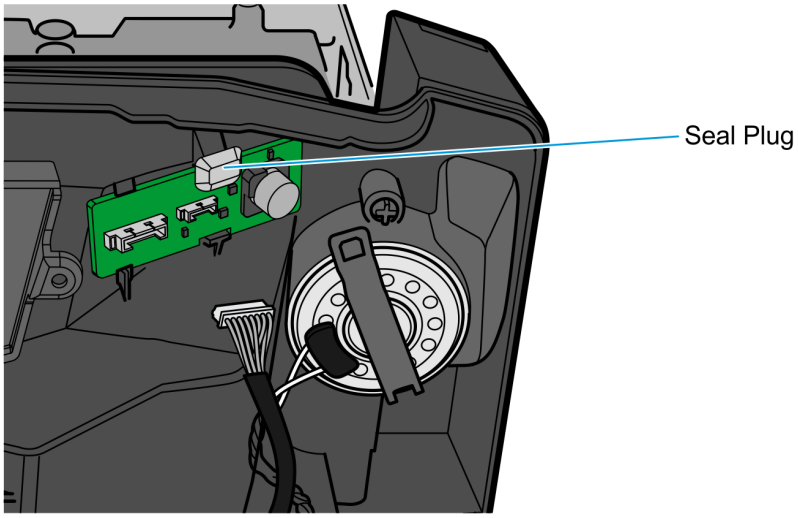
Note: The following images show the Illumination Board only on the right side of the tower housing. However, procedures for installing the right and left Illumination Boards are the same.

   a. Insert the foot tabs of the board into the locating slots and push the board into the housing.



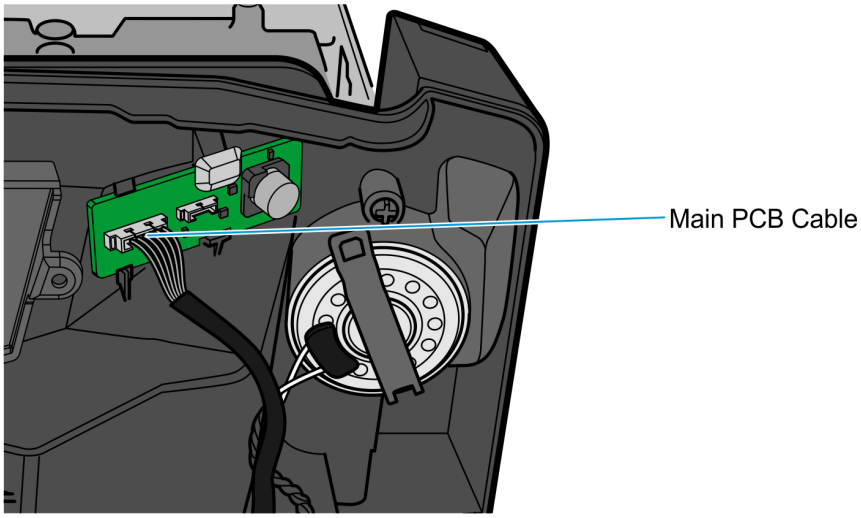
CCP-83395

b. Re-install the Seal Plug.



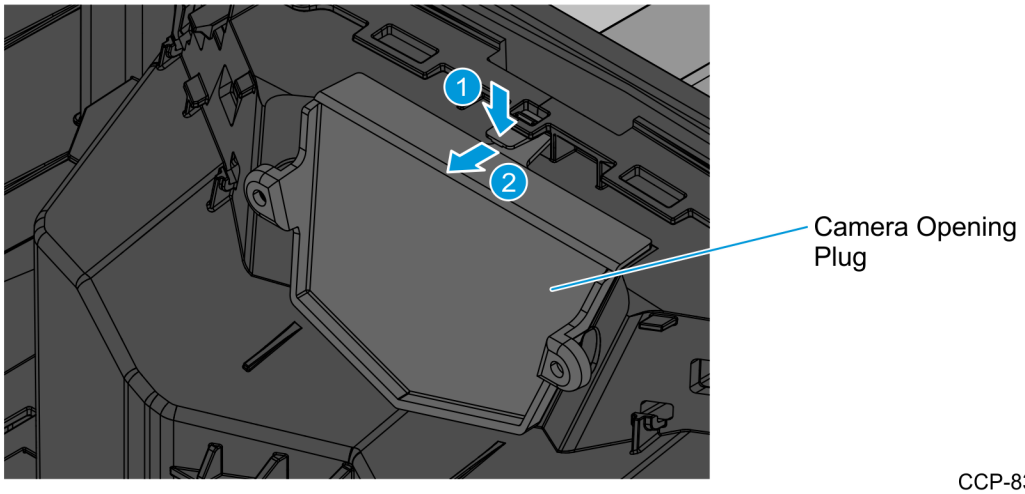
CCP-83394

c. Connect the Main PCB Cable to the Color Illumination Board.



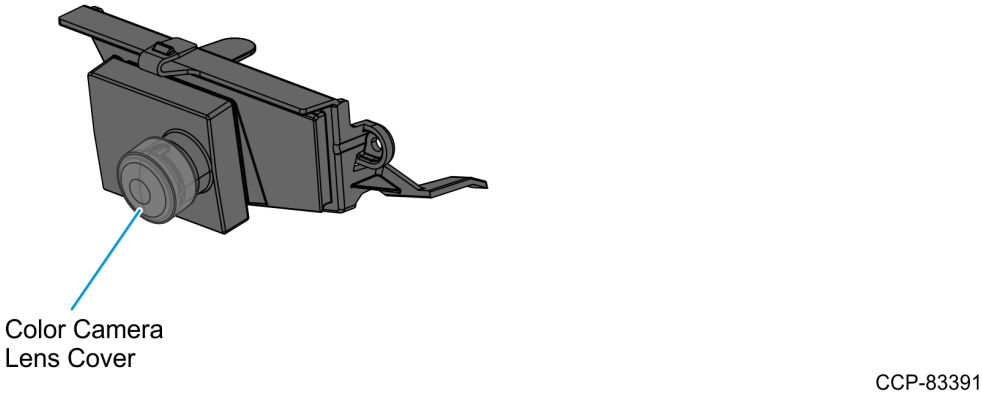
CCP-83393

5. Remove the Camera Opening Plug by pushing the tab down to disengage the snap, and then pulling the Camera Opening Plug away from the housing.



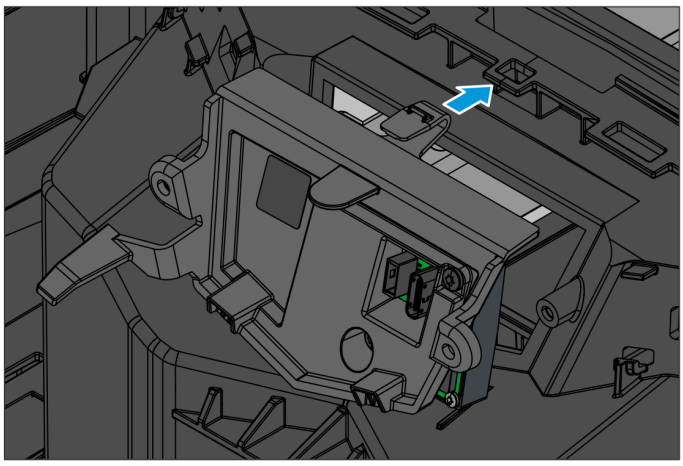
CCP-83392

6. Install the Color Camera Assembly.
   a. Remove the Color Camera Lens Cover from the Color Camera Assembly.



CCP-83391

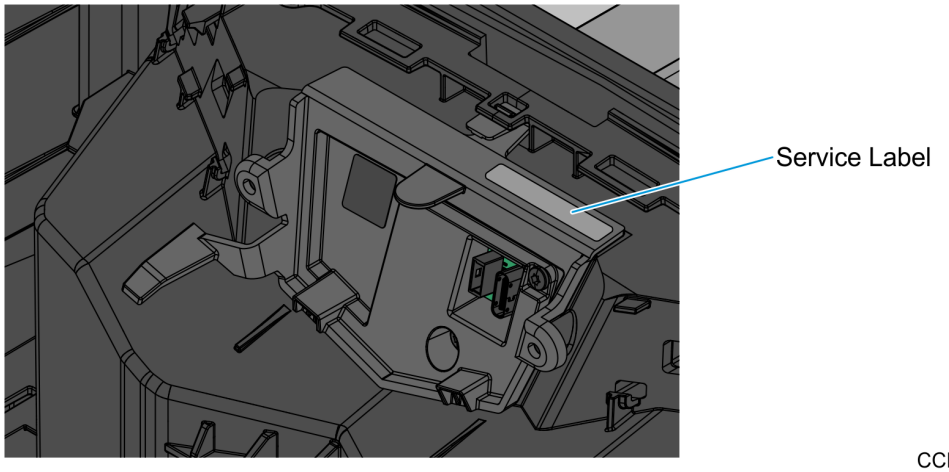
b. Snap the Color Camera Assembly into place.



CCP-80983

Note: Other components are not shown in the image.

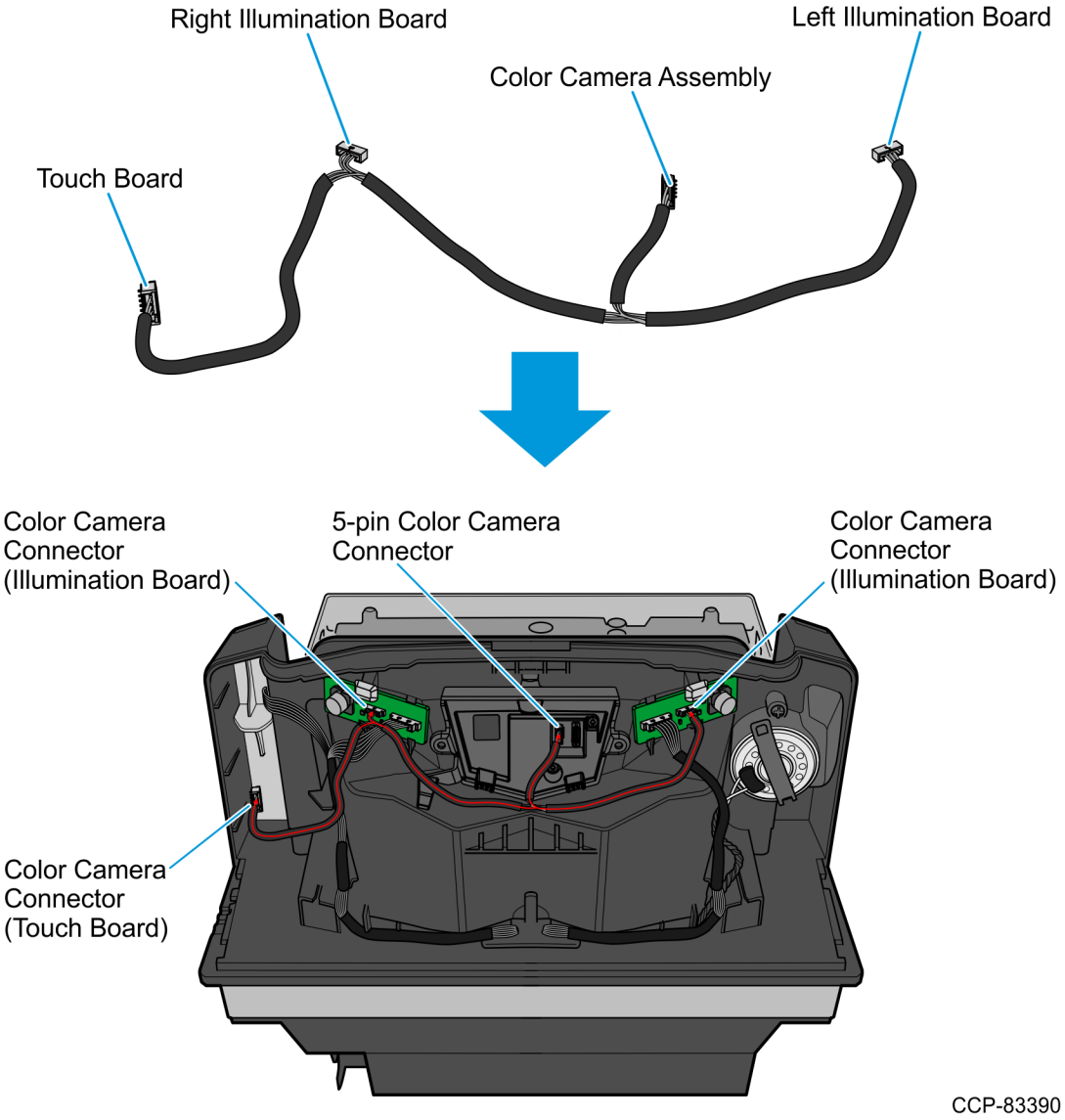
c. If applicable, attach the service label that is included in the camera package. The label is printed with the camera serial number.



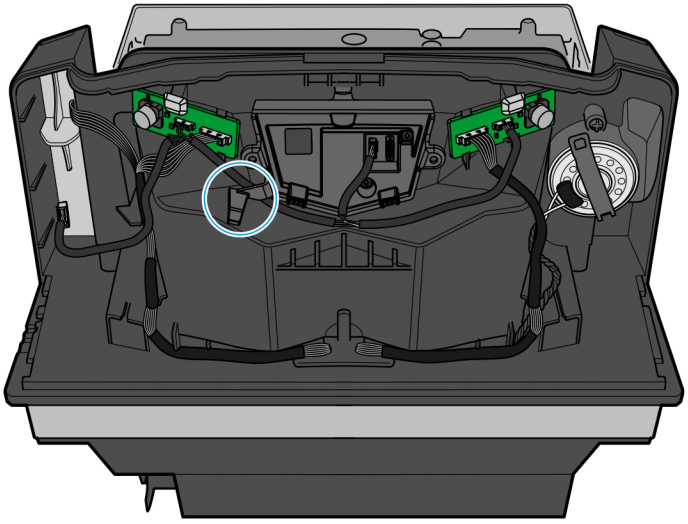
CCP-80982

Note: Other components are not shown in the image.

7. Connect the Color Camera Harness by doing the following:
   - Connect the 3-pin connector of the longest branch to the Color Camera Connector on the Touch Board.
   - Connect one 3-pin connector to each Illumination Board.
   - Connect the 5-pin connector to the Color Camera Assembly.

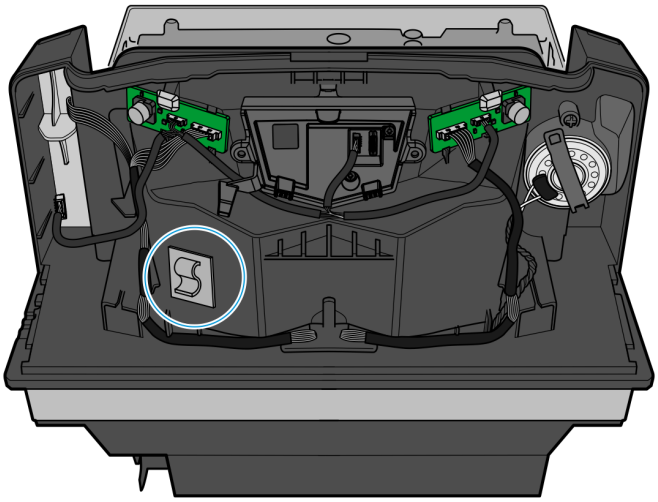


8. Route the Color Camera Harness under the cable retainer tab.



CCP-83389

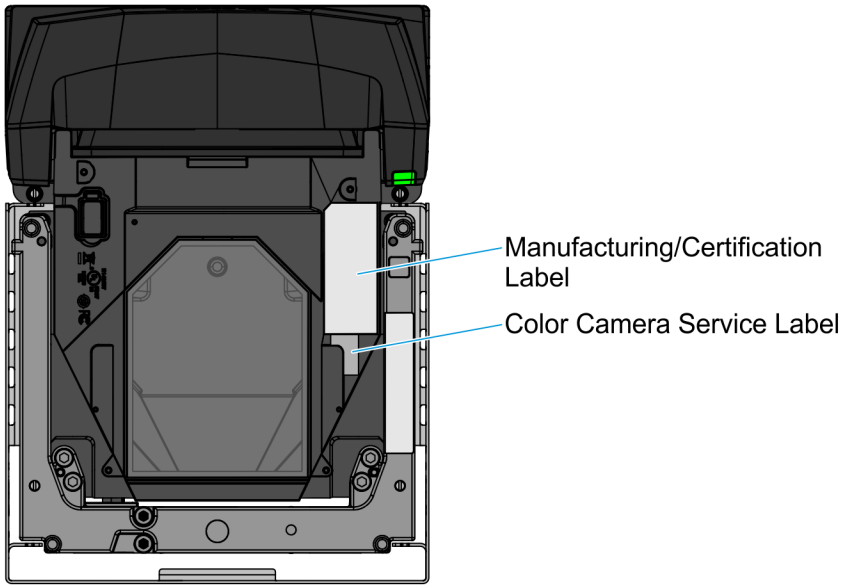
9. Mount the cable clip on the back of the tower housing.
   a. Clean the mounting surface with isopropyl alcohol.
   b. Let the surface dry out completely or wipe it with a lint-free cloth.
   c. With the opening of the retainer tab facing down, attach the cable clip to the tower mounting surface. Press on the sides to attach the clip properly.



CCP-83388

10. Route the Color Camera USB Cable depending on the following scanner setup:
    - For NCR 7895 used in Assisted Lane units, refer to *Routing the Color Camera USB Cable for Assisted Lane Units* on page 18.
    - For NCR 7895 used in Self-Checkout (SCO) units, refer to *Routing the Color Camera USB Cable for Self-Checkout Units* on page 20.

11. Re-install the Tower Cover. For more information, refer to *Accessing Scanner Components* on the next page.
12. Attach the Color Camera Service Label next to the Manufacturing/Certification Label.



CCP-83387

13. Re-install the Top Plate. For more information, refer to *Accessing Scanner Components* on the next page.

Accessing Scanner Components

In some cases, the Top Plate or the Tower Cover need to be removed to access NCR 7895 internal components or to access the USB A port below the Top Plate.

To remove or install the Top Plate, refer to the following procedures:

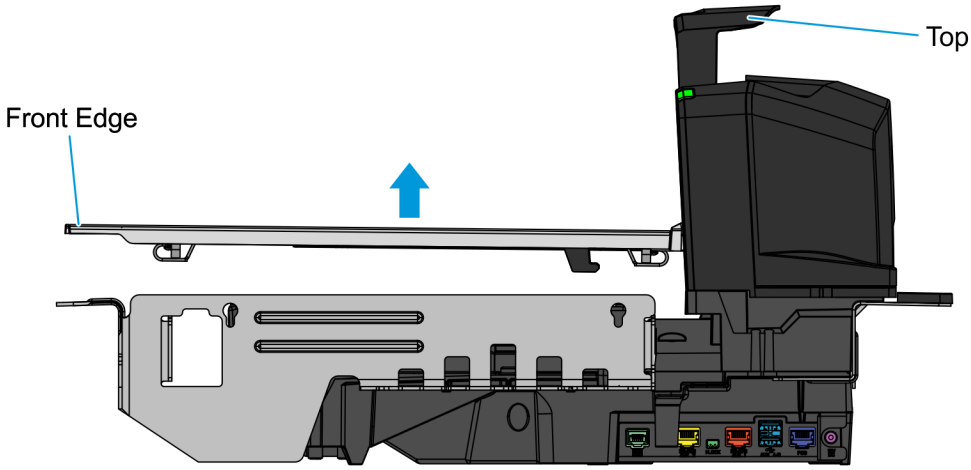
- For Full-size scanner-only models
  - *Removing the Top Plate for Full-size Scanner-only Models* on the facing page
  - *Installing the Top Plate for Full-size Scanner-only Models* on the facing page
- For Full-size scanner/scale models
  - *Removing the Top Plate for Full-size Scanner/Scale Models* on page 12
  - *Installing the Top Plate for Full-size Scanner/Scale Models* on page 13
- For Midsize and Compact models, scanner-only and scanner/scale
  - *Removing the Top Plate for Midsize and Compact Models* on page 14
  - *Installing the Top Plate for Midsize and Compact Models* on page 14

To remove or install the Tower Cover, refer to the following procedures:

- *Removing the Tower Cover* on page 15
- *Installing the Tower Cover* on page 15

Removing the Top Plate for Full-size Scanner-only Models

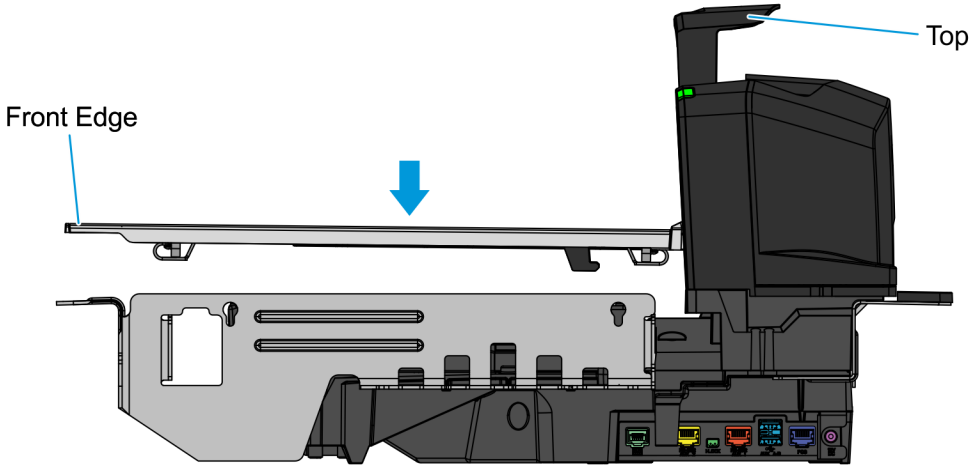
- Hold the front edge and the top of the Top Plate, and then lift the Top Plate off the scanner.



CCP-80044

Installing the Top Plate for Full-size Scanner-only Models

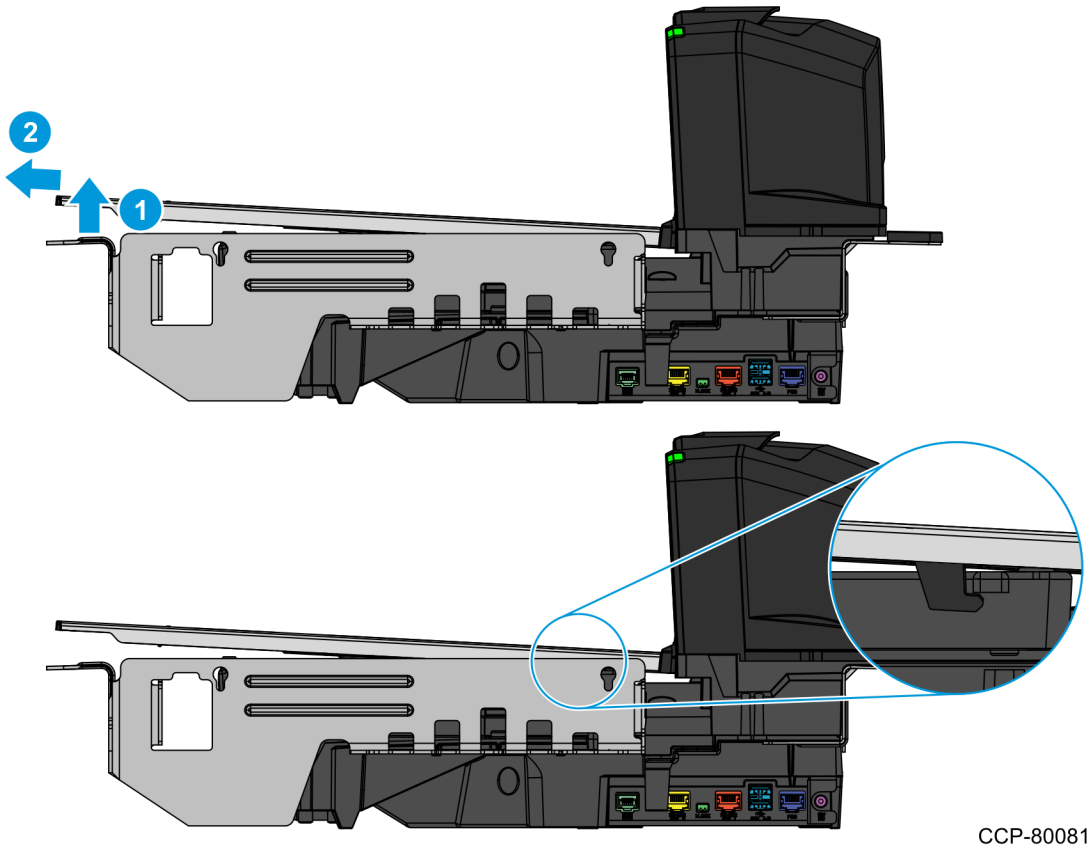
- Hold the front edge and the top of the Top Plate, and then lower the Top Plate onto the scanner until it sits on the tabs of the metal frame.



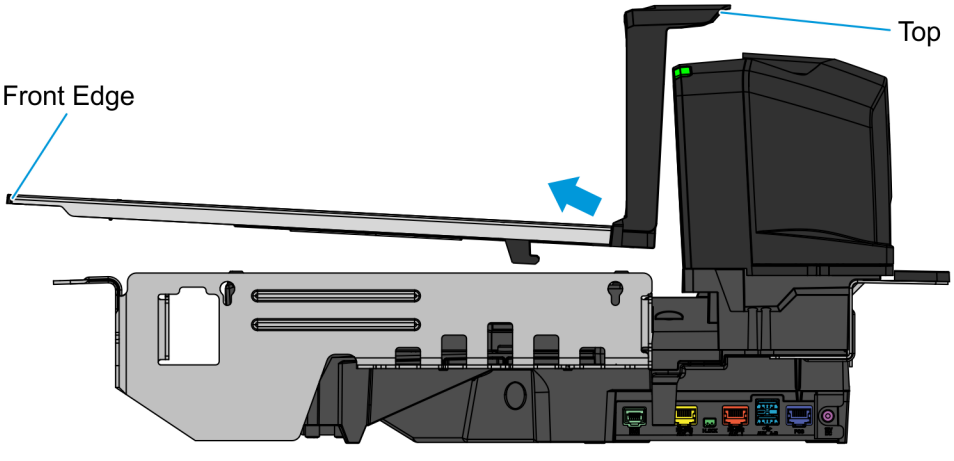
CCP-80043

Removing the Top Plate for Full-size Scanner/Scale Models

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.

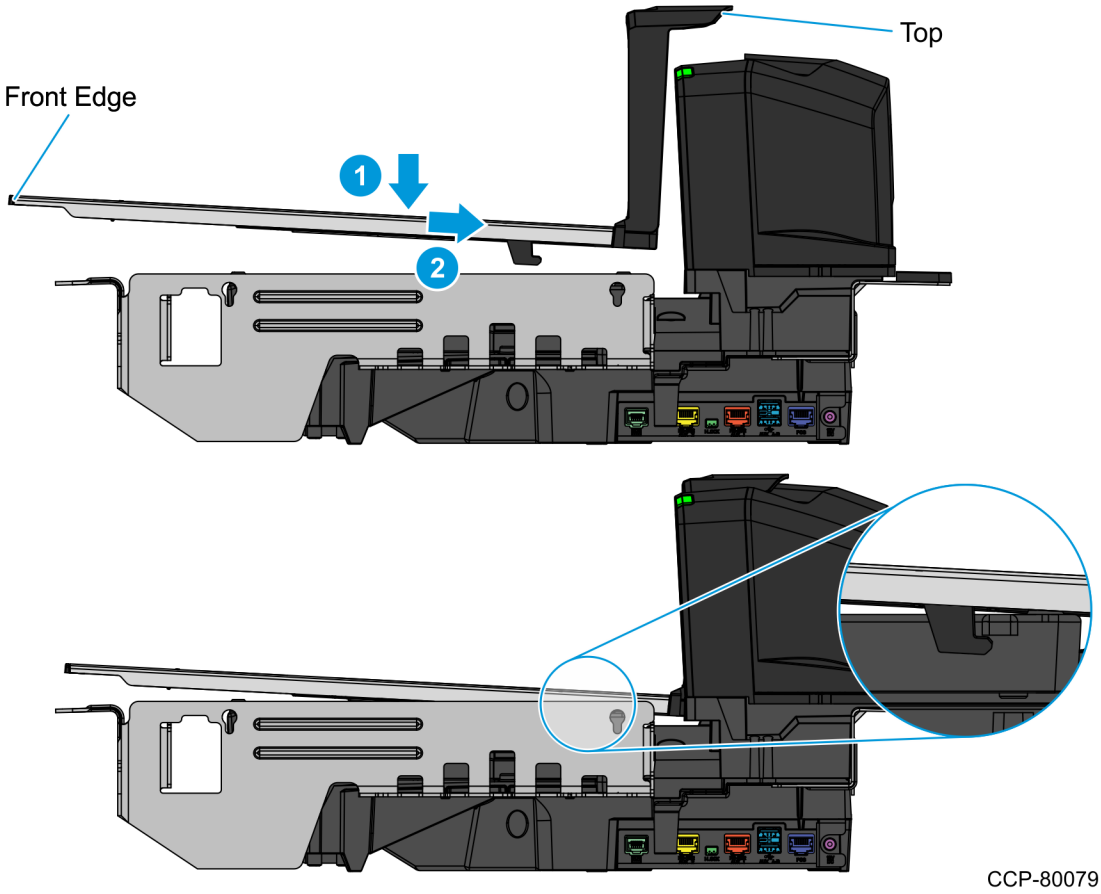


2. Holding the front edge and the top of the Top Plate, pull the Top Plate out and lift it off the scanner.

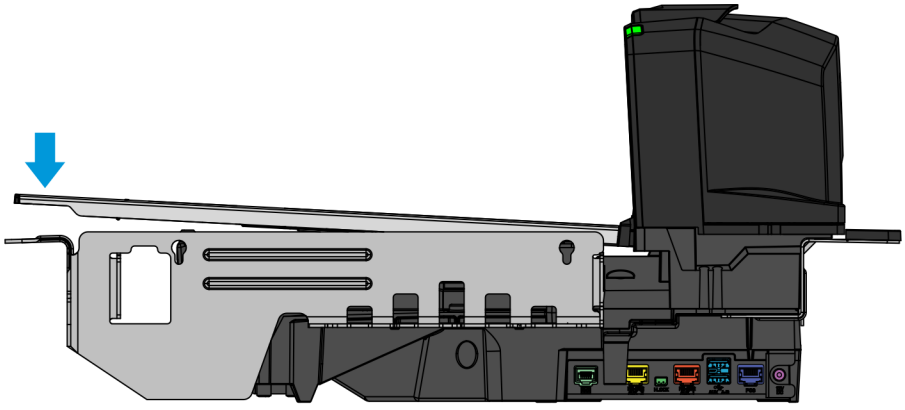


Installing the Top Plate for Full-size Scanner/Scale Models

1. Holding the front edge and the top of the Top Plate, and with the Top Plate slightly tilted, position the Top Plate on top of the scanner base.
2. 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.

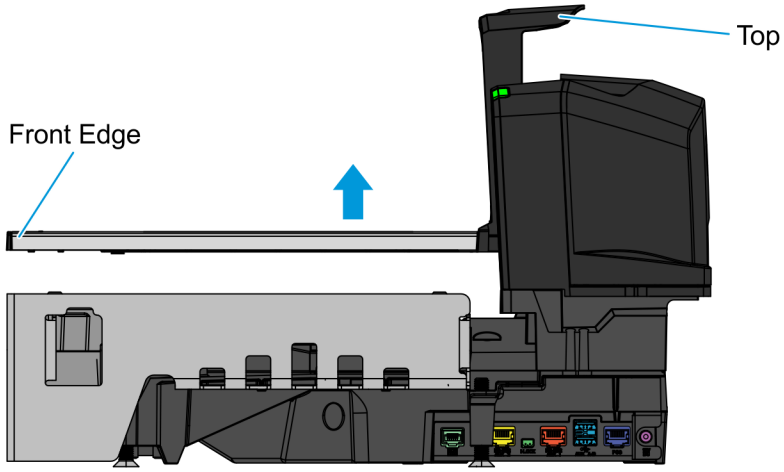


3. Lower the front edge of the Top Plate until the Top Plate sits securely on the scanner base.



Removing the Top Plate for Midsize and Compact Models

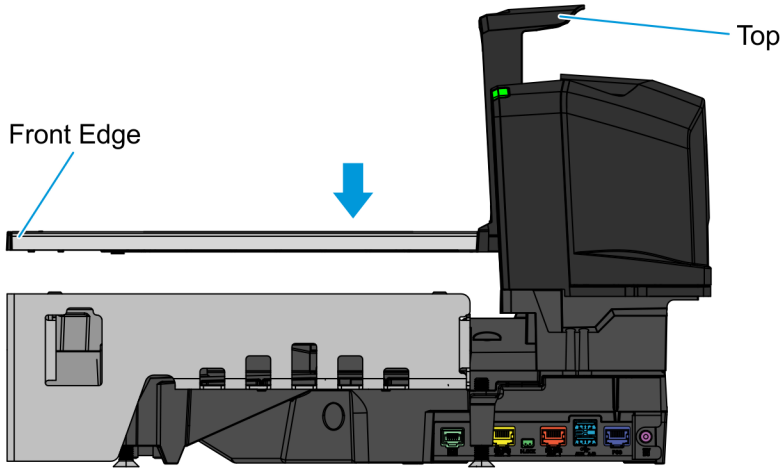
- Hold the front edge and the top of the Top Plate, and then lift the Top Plate off the scanner.



CCP-80077

Installing the Top Plate for Midsize and Compact Models

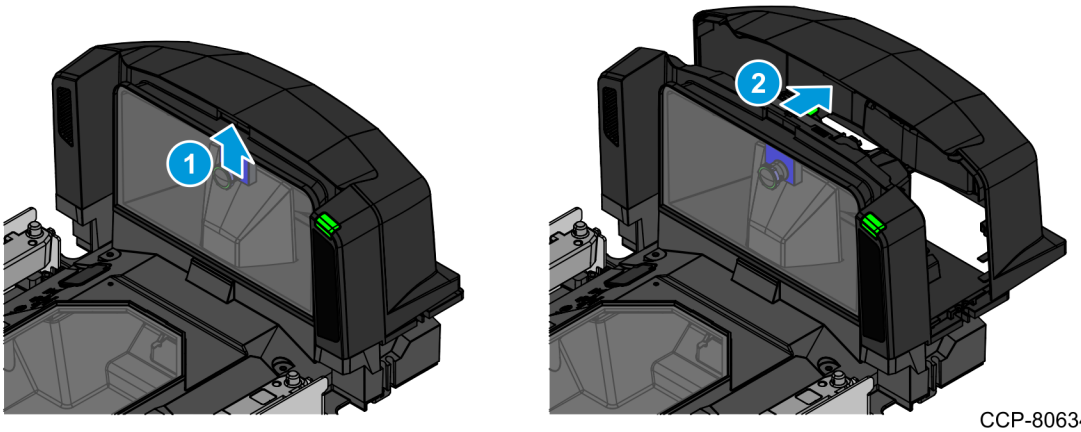
- Hold the front edge and the top of the Top Plate, and then lower the Top Plate onto the scanner until it is secure.



CCP-80076

Removing the Tower Cover

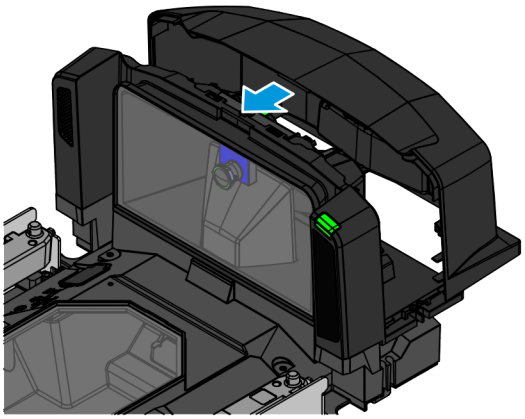
- Using your thumb, lift the center of the Tower Cover to disengage and remove it from the tower housing.



CCP-80634

Installing the Tower Cover

- Slide the Tower Cover onto the back of the tower housing until it snaps into place.



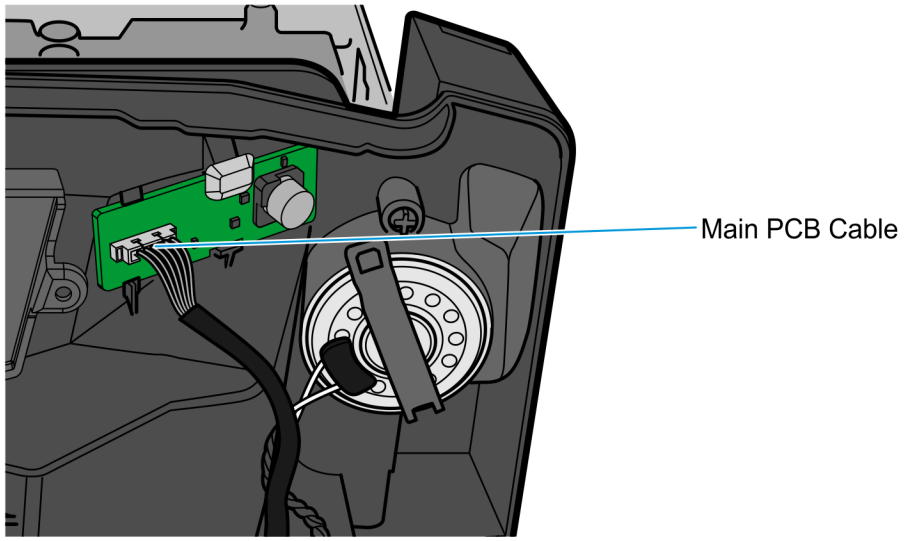
CCP-80635

Removing the Monochrome Illumination Board

Note: The images in this procedure show the Illumination Board only on the right side of the tower housing. However, procedures for removing both the right and left Illumination Boards are the same.

To remove the Monochrome Illumination Board, follow these steps:

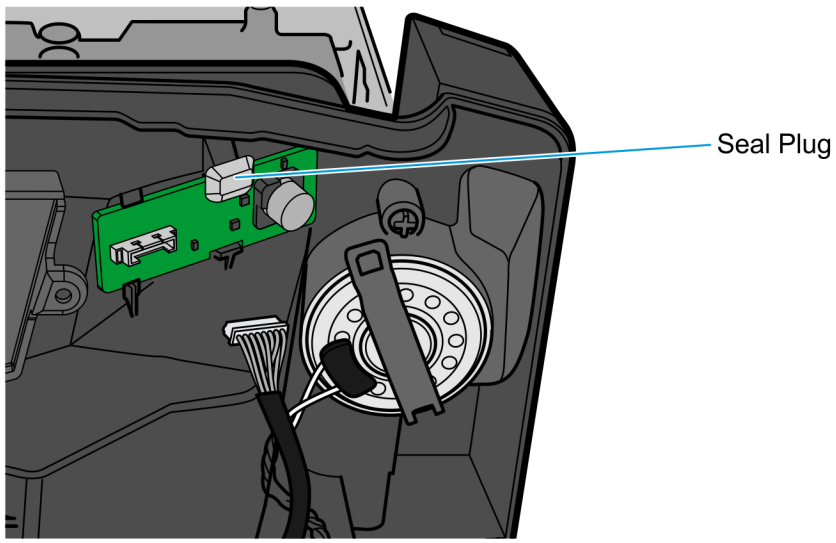
1. Disconnect the Main PCB Cable from the Monochrome Illumination Board.



CCP-83398

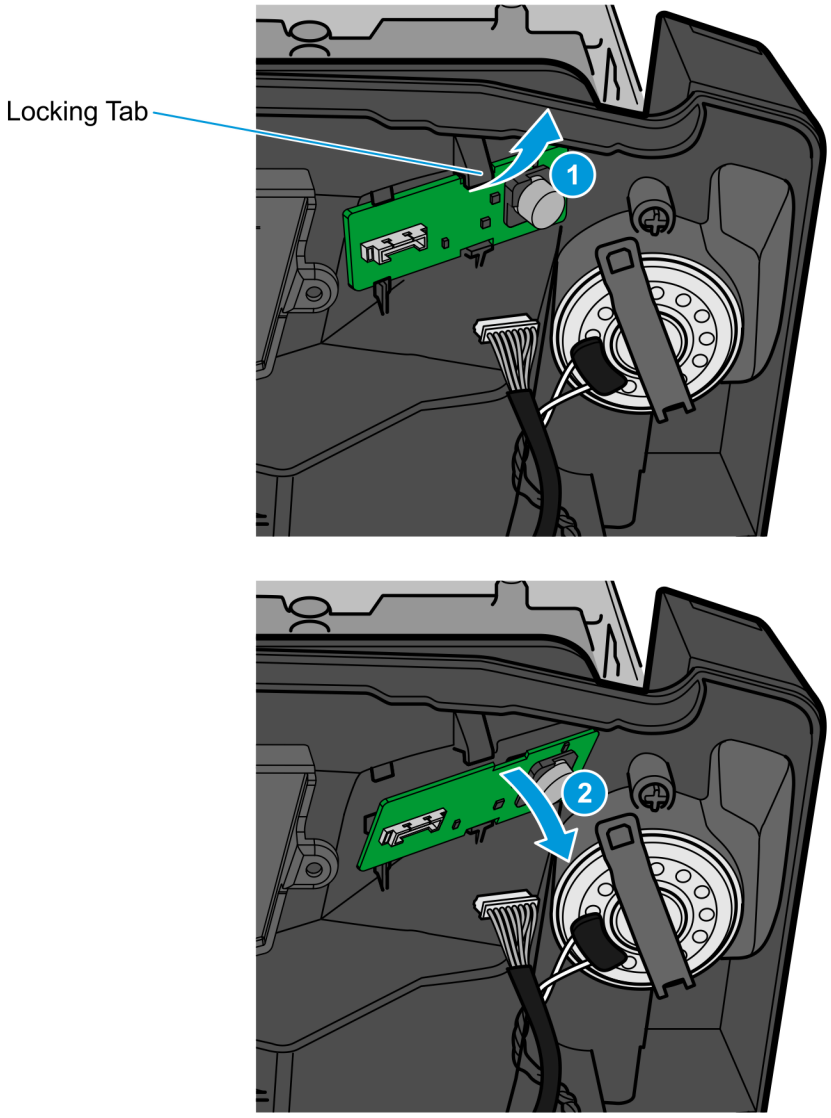
2. Remove and set aside the Seal Plug from the housing slot.

Note: The Seal Plug will be reused to secure the Color Illumination Board.



CCP-83397

3. Lift the locking tab and pull out the board.

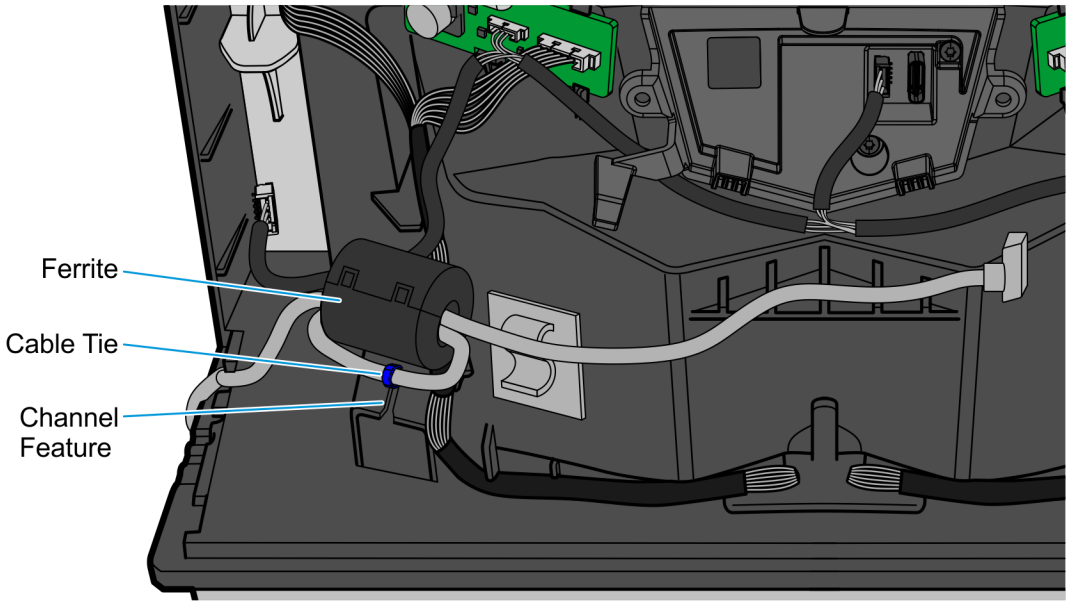


CCP-83396

Routing the Color Camera USB Cable for Assisted Lane Units

To install the Color Camera USB Cable on NCR 7895 used in Assisted Lane units, follow these steps:

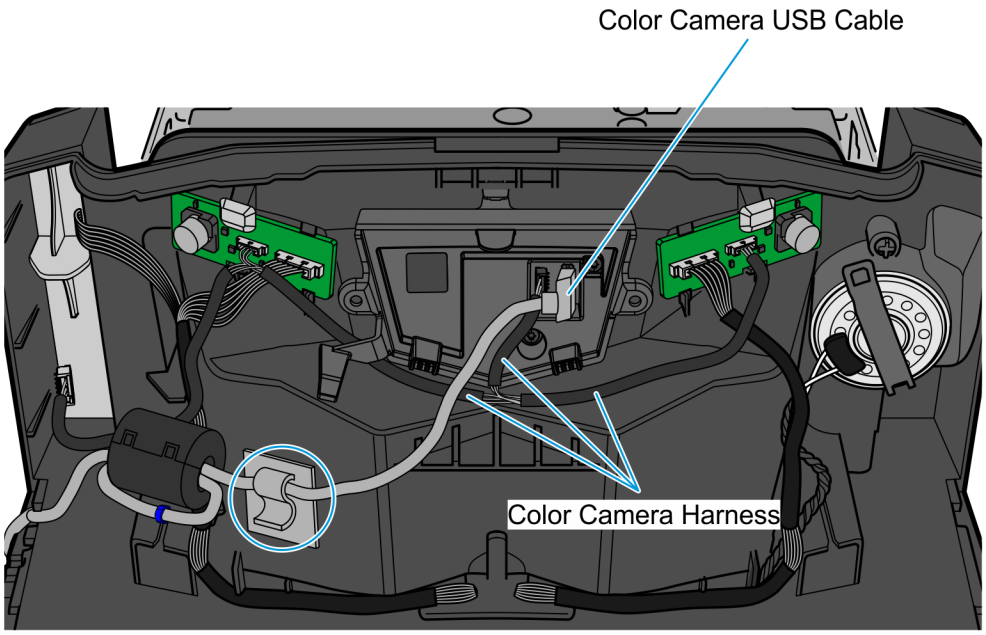
1. Secure the ferrite of the Color Camera USB Cable to the tower housing.
   a. Insert the locking head of the cable tie into the slot of the channel feature in the scanner tower.
   b. Push the ferrite all the way in by sliding the head of the cable tie through the slot.



CCP-80962

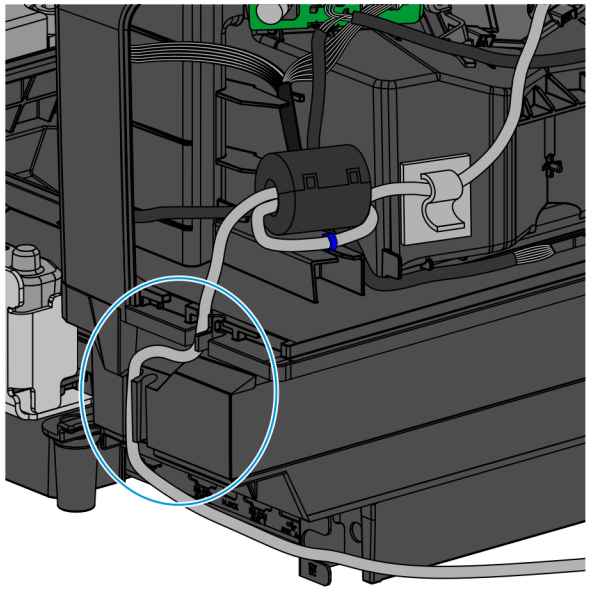
2. Connect the USB Cable to the Color Camera Assembly and route it under the retainer tab of the cable clip.

Caution: Ensure that the USB Cable is not touching the Color Camera Harness.



CCP-80963

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



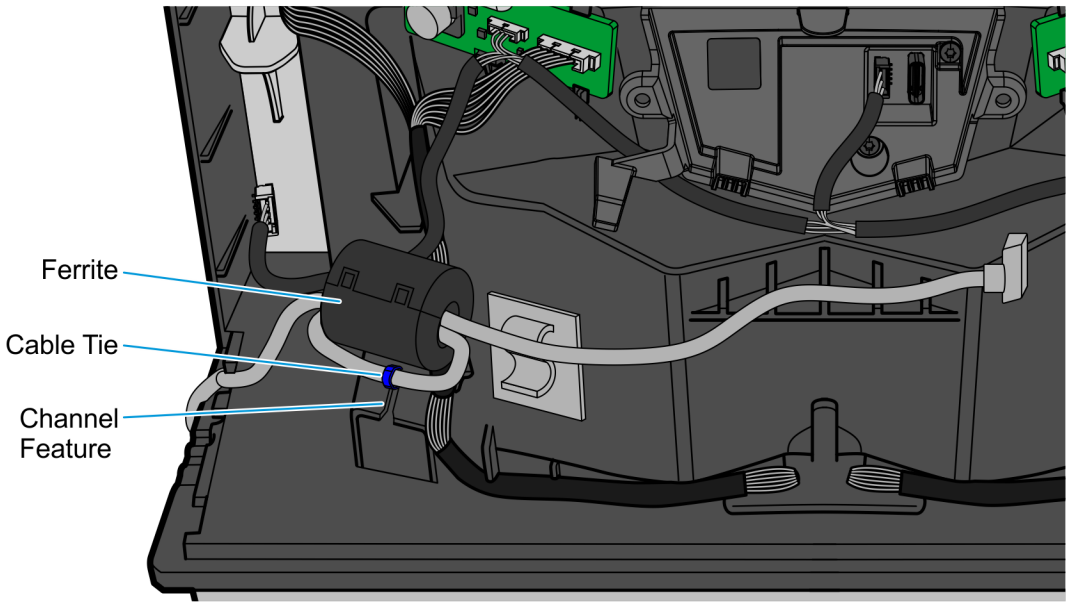
CCP-80961

4. Connect the Color Camera USB Cable to the **USB 3.0** port of the POS terminal.

Routing the Color Camera USB Cable for Self-Checkout Units

To install the Color Camera USB Cable on NCR 7895 used in Self-Checkout (SCO) units, follow these steps:

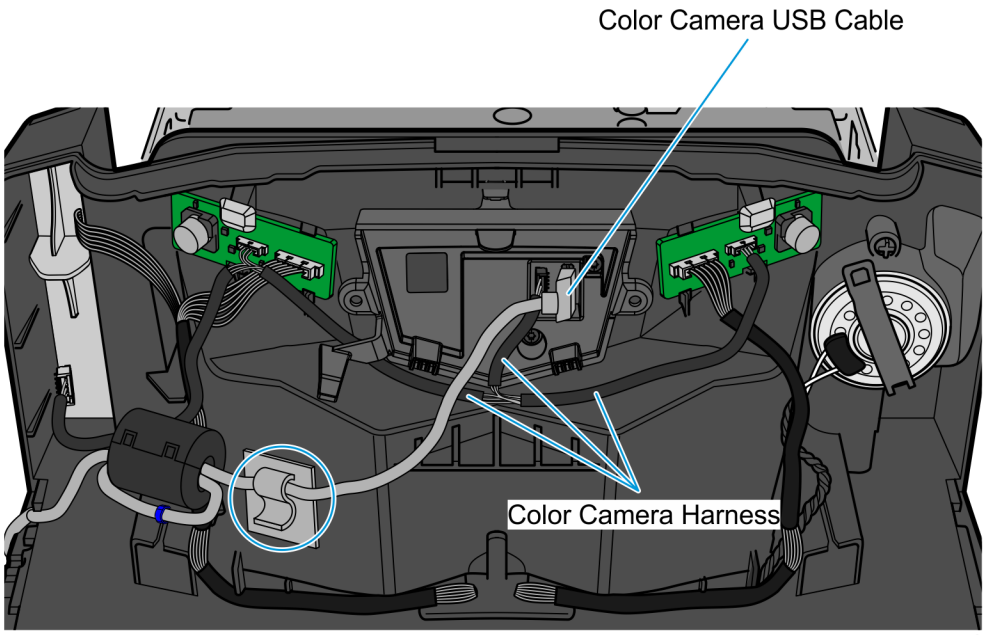
1. Take the Color Camera USB Cable out of the left-side pocket of the SCO unit, remove the twist tie, and straighten the cable.
2. Secure the ferrite of the Color Camera USB Cable to the tower housing.
   a. Insert the locking head of the cable tie into the slot of the channel feature in the scanner tower.
   b. Push the ferrite all the way in by sliding the head of the cable tie through the slot.



CCP-80962

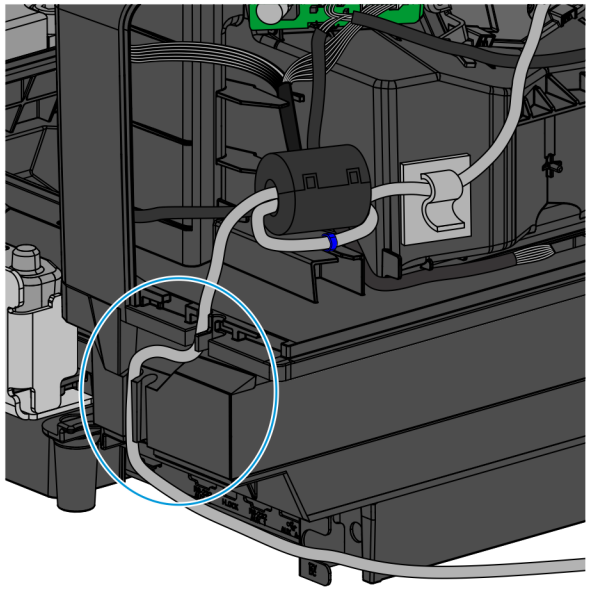
3. Connect the USB Cable to the Color Camera Assembly and route it under its retainer tab.

Caution: Ensure that the USB Cable is not touching the Color Camera Harness.



CCP-80963

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



CCP-80961