NCR VOYIX

NCR Voyix SelfServ™ 90 (7709)

Kit Instructions

Tri-Light

7709-K801

Issue B

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Revision Record

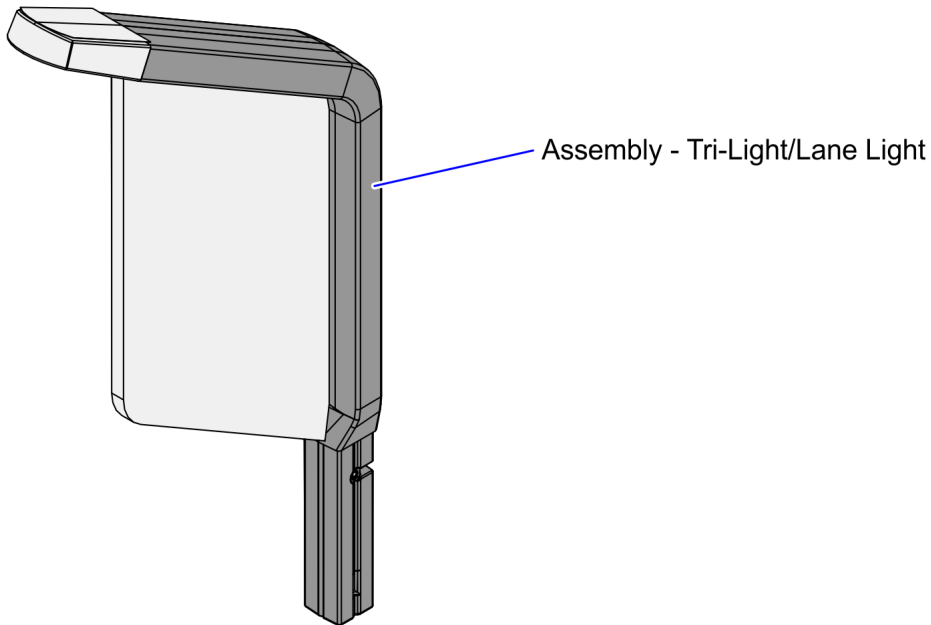| Publication issue	Date	Description of change
A	May 2022	First issue.
B	Jan 2026	Updated with NCR Voyix brand.

7709-K801 Tri-Light (7709)

This publication provides procedures for installing the 7709-K801 Tri-Light (7709) on an NCR Voyix SelfServ™ 90 (7709) Kiosk unit. This kit is compatible with NCR 7709 release versions R2.0 and R2.1 only.

> 📝 **Note**
> This kit requires the *7364-K062 Tri-Light/Lane Light Pole and Mount* kit.

Kit Contents

Assembly - Tri-Light/Lane Light

CCP-83300

Part Number	Description
497-0526700	7709-K801 Tri-Light (7709)
497-0538384	Assembly - Tri-Light/Lane Light
* 006-8628683	Cable Assembly - USB Type A Extension 1.8M - High Speed (480Mbps)
* 497-0523835	Cable - Trilight And Lane Light Extender
* 497-0512112	Cable, +24V, Monaco And I/O Board
* 497-0423108	Instructions-Kit (Reference Sheet)

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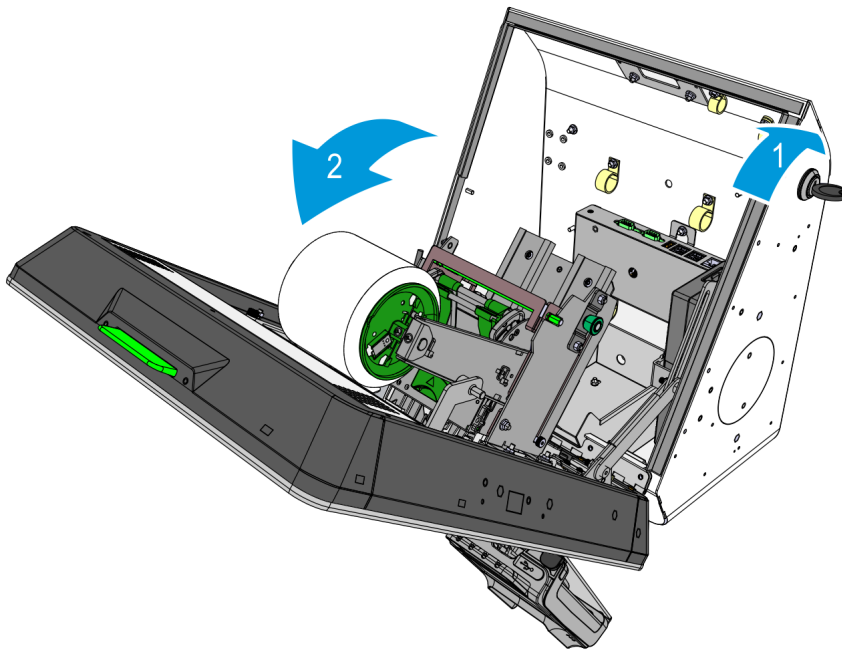
Installation Procedure

To install the Tri-Light kit, follow these steps:

1. Shutdown and power off the terminal.

2. Disconnect the Kiosk AC Power Cable from the outlet.

3. To open the kiosk, insert the key into the lock at the right-hand side of the kiosk, turn the key clockwise, and carefully open the front of the kiosk.
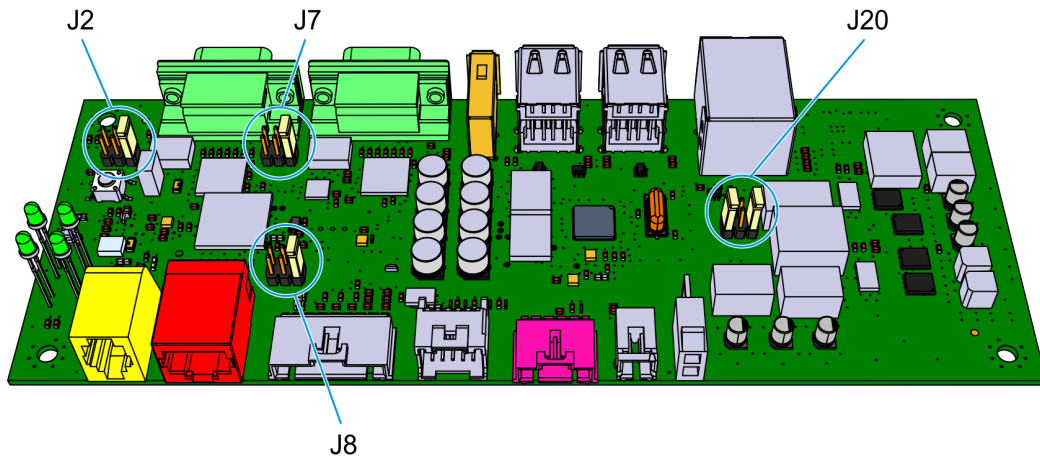
> ⚠ **Caution**
> Do NOT abruptly open and release the front of the kiosk. Hold and support the front of the kiosk until fully extended.

CCP-77624

4. Remove the Power Supply Unit. For more information, refer to "**Removing the Power Supply**" on page 13.

5. Disconnect all cables from the I/O Adapter.

6. Remove the I/O Adapter from its bracket. For more information, refer to "**Removing the I/O Adapter**" on page 16.
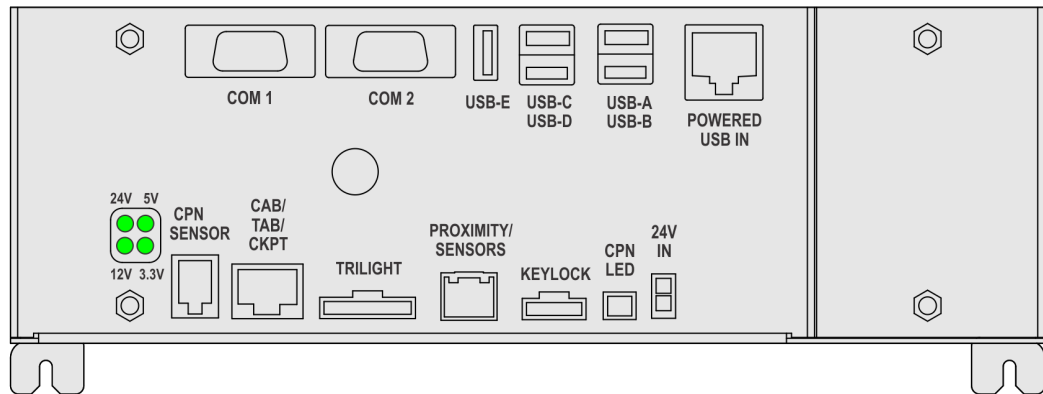
7. Adjust the jumper settings based on the following:

    • For J2, place the shunt over Pins 5, 6.

    • For J7, place the shunt over Pins 5, 6.

    • For J20, place the shunt over Pins 1, 2 and Pins 5, 6.

    • For J8, place the shunt over Pins 5, 6.

CCP-83302

8. Re-install the I/O Adapter to its bracket. For more information, refer to "**Installing the I/O Adapter**" on page 18.

9. Re-install the Power Supply Unit. For more information, refer to "**Installing the Power Supply**" on page 15.
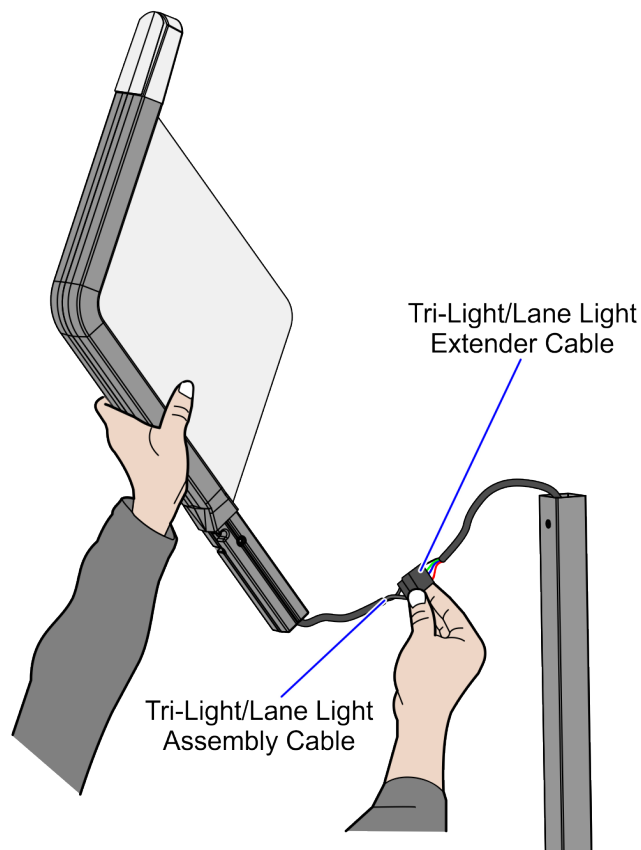
10. Connect the cables to the I/O Adapter.

CCP-78119

Connector	Device/Cable
USB A	Handheld Scanner
TRILIGHT	Tri-Light/Lane Light Extender Cable In place of the Indicator Light Cable, connect the extender cable that is included in the 7709-K801 Tri-light kit.
CAB/TAB/CKPT	Checkpoint Signal Cable
CPN SENSOR	Coupon Sensor Cable
KEYLOCK	Supervisor Switch
PROXIMITY/SENSORS	Turntable Kit
24V IN	Power Supply 2-pin Connector This connector is not connected to the I/O Adapter if the NCR 7709 unit is using the Indicator Light.

11. Route the Tri-Light/Lane Light Extender Cable from the I/O Adapter to the top of the Tri-Light/Lane Light Pole. For more information, refer to "**Routing the Tri-Light/Lane Light Extender Cable**" on page 20.

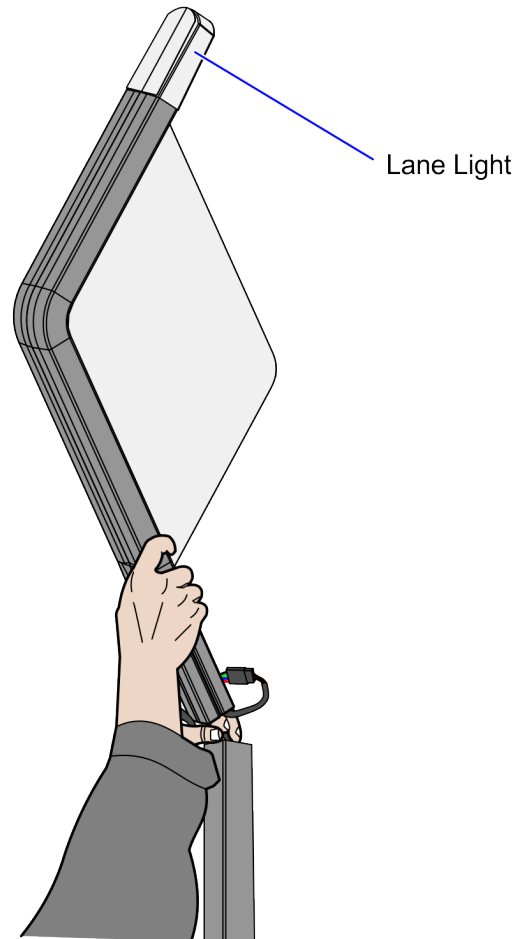12. Connect the Tri—Light/Lane Light Assembly Cable to the Tri-Light/Lane Light Extender Cable.

Tri-Light/Lane Light
Extender Cable

Tri-Light/Lane Light
Assembly Cable

CCP-83307

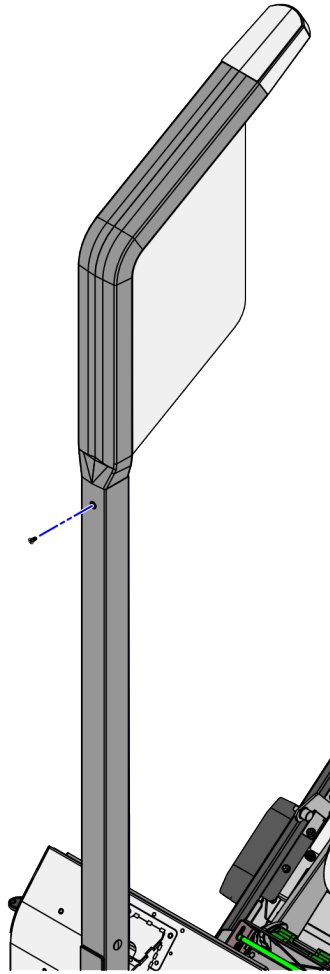13. With the Lane Light facing the front of the kiosk, insert the Tri-Light/Lane Light Assembly into the pole.

> ⚠️ **Caution**
> Ensure that the cables are not pinched.

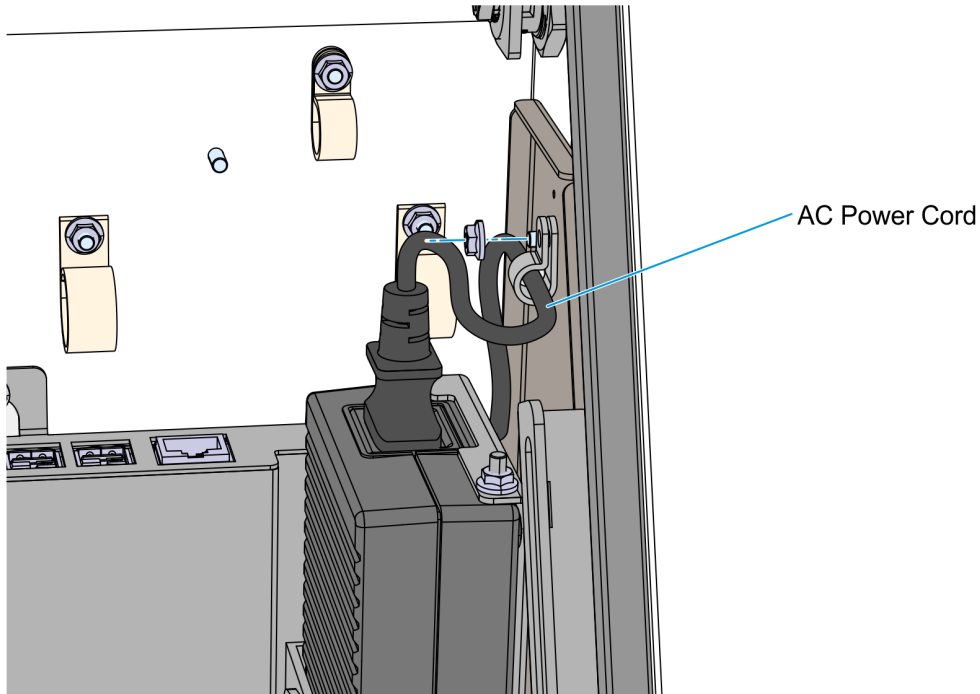
Lane Light

CCP-83308

14. Align the mounting holes of the Tri-Light/Lane Light assembly and the pole, and then secure the assembly to the pole using the screw included in the 7364-K801 kit.
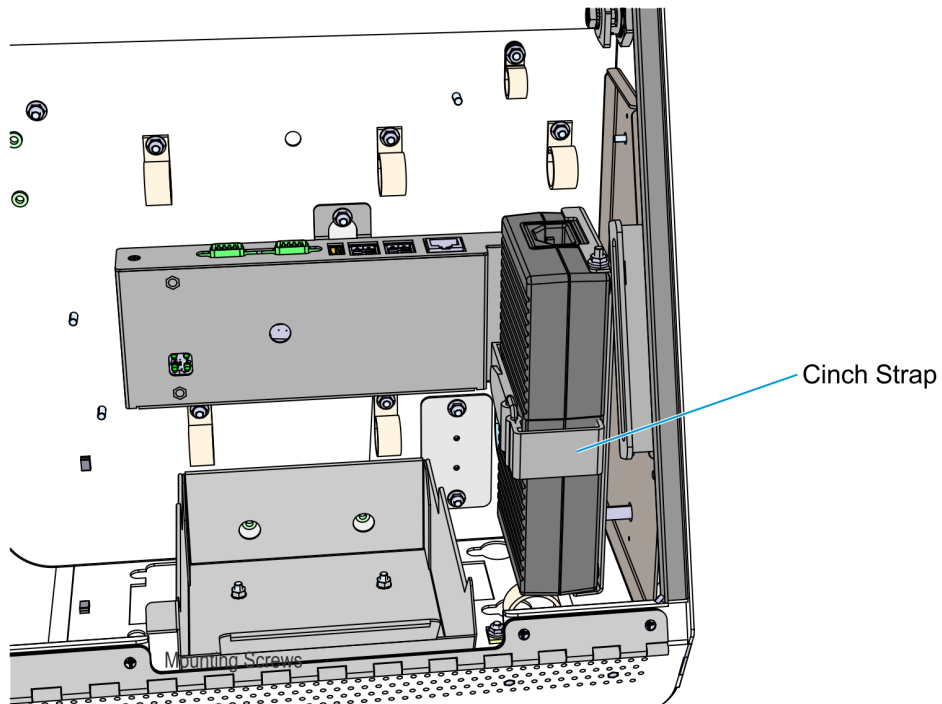
CCP-83309

Removing the Power Supply

1. Remove and set aside the nut and the Closed P-Loop Clamp securing the AC Power Cable above the Power Supply.

AC Power Cord
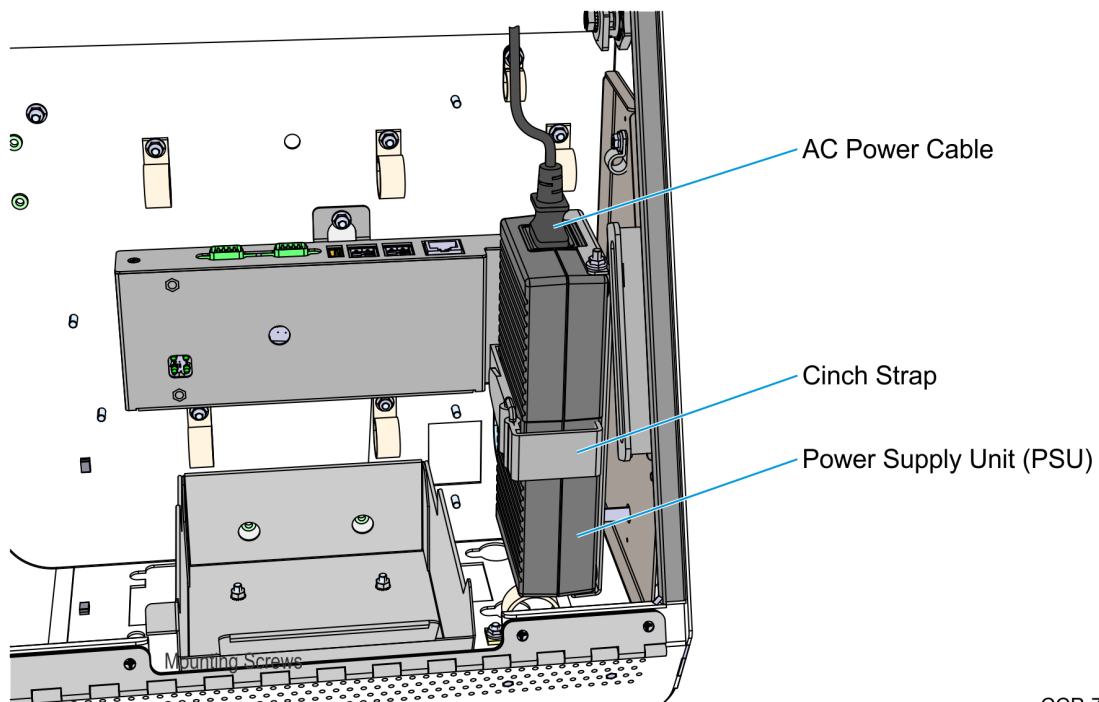
CCP-77952

2. Disconnect the AC Power Cable from the Power Supply.

3. Unstrap the cinch strap that secures the Power Supply to the bracket, and then remove the Power Supply from its bracket.
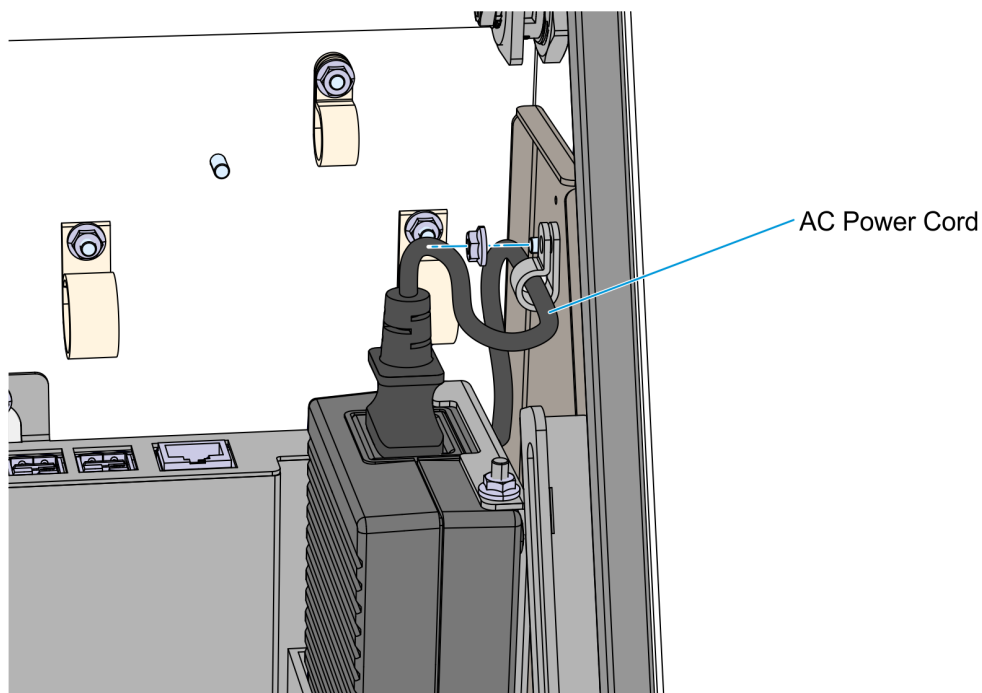
Cinch Strap

Mounting Screws

CCP-83301

Installing the Power Supply

1. Mount Power Supply to the bracket and secure with the Cinch Strap.

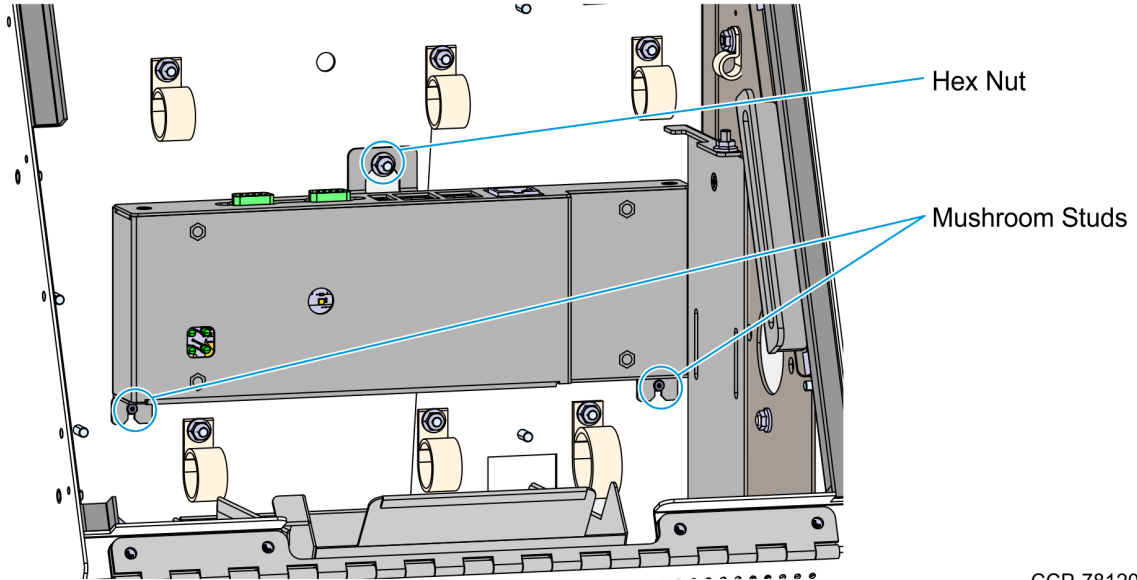AC Power Cable

Cinch Strap

Power Supply Unit (PSU)

Mounting Screws

CCP-78118

2. Connect the AC Power Cable to the power supply.

3. Insert the AC Power Cable into the cable clamp, and then secure the clamp to the cabinet using a nut.
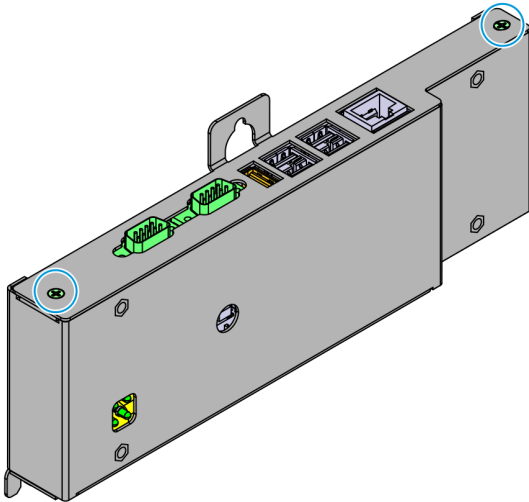

AC Power Cord

CCP-77952

Removing the I/O Adapter

1. Loosen the hex nut that secures the I/O Adapter Bracket to the kiosk, and then remove the I/O Adapter Assembly from its two mushroom studs.
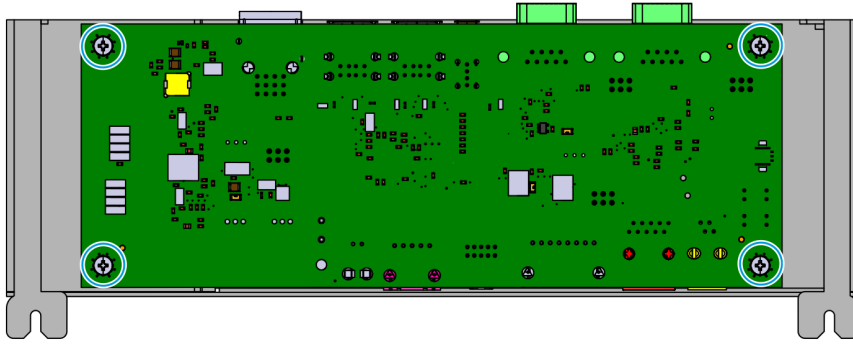

Hex Nut

Mushroom Studs

CCP-78120

2. Remove the side cover bracket by removing the two M3 screws.
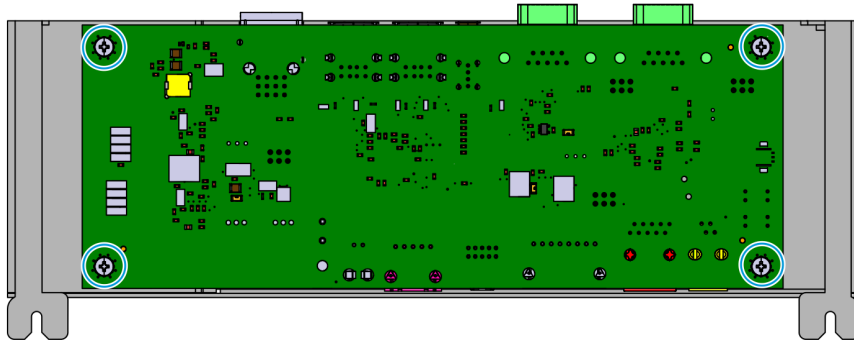

CCP-78121

3. Remove the I/O Board from its bracket by removing the four M3 screws.
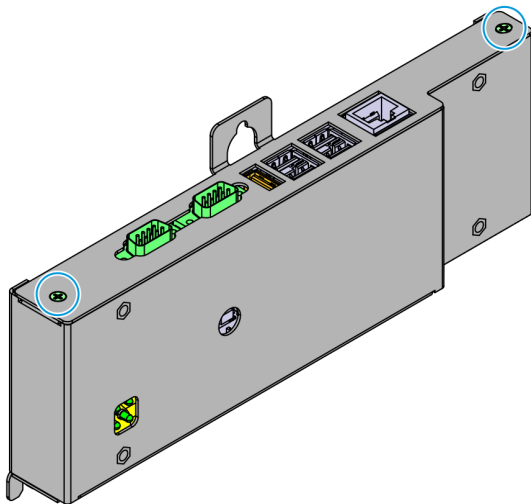

CCP-78122

Installing the I/O Adapter

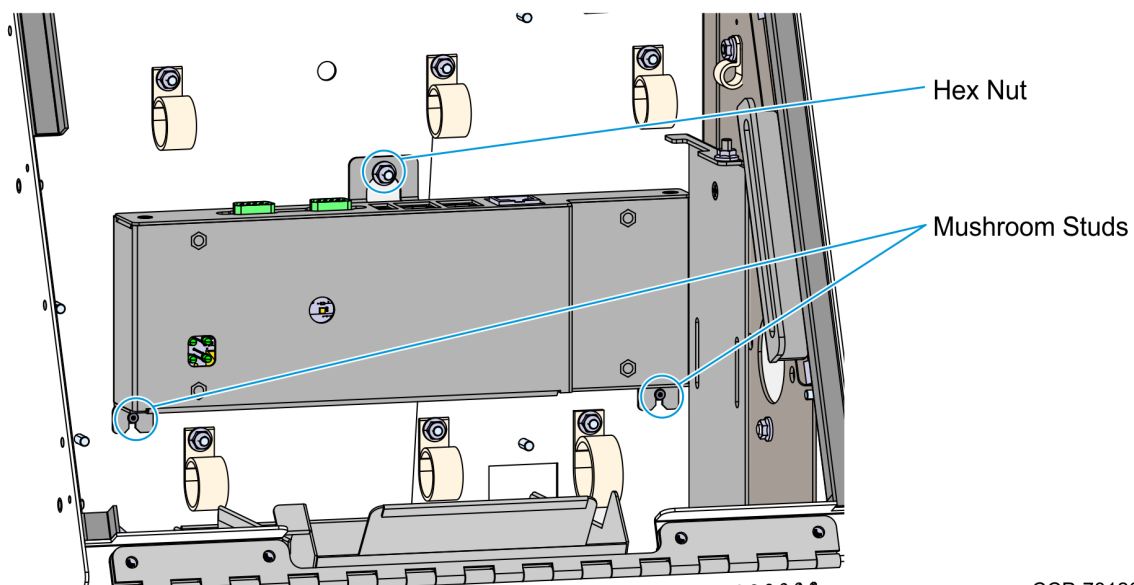1. Mount the I/O Board onto its bracket and secure with four M3 screws.

CCP-78122

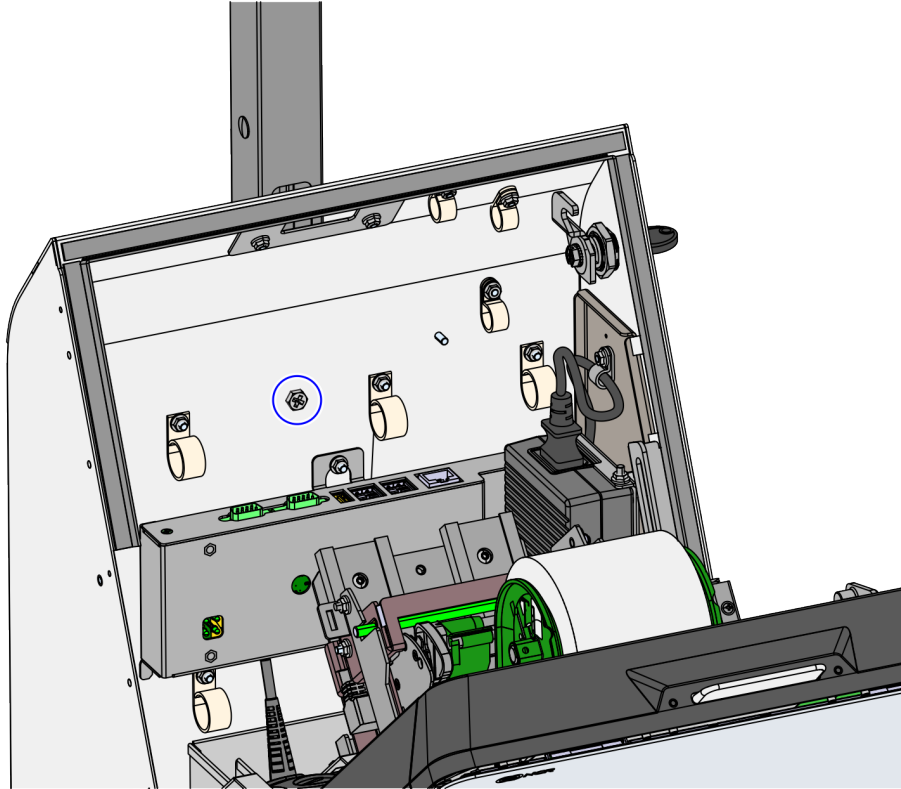2. Install the side cover bracket and secure with two M3 screws.

CCP-78121

3. Position the I/O Adapter Assembly onto its hex nut and mushroom studs, and then tighten the hex nut to secure the I/O Adapter Bracket to the kiosk.

Hex Nut

Mushroom Studs

CCP-78120

Routing the Tri-Light/Lane Light Extender Cable

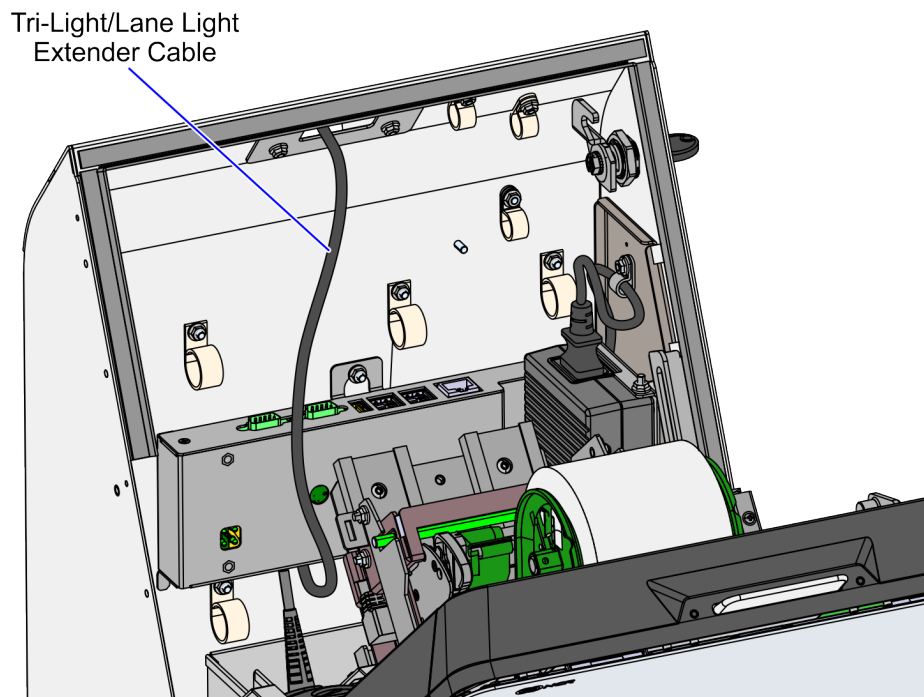1. If already installed on the kiosk, remove the Tri-Light/Lane Light Pole from its mount.
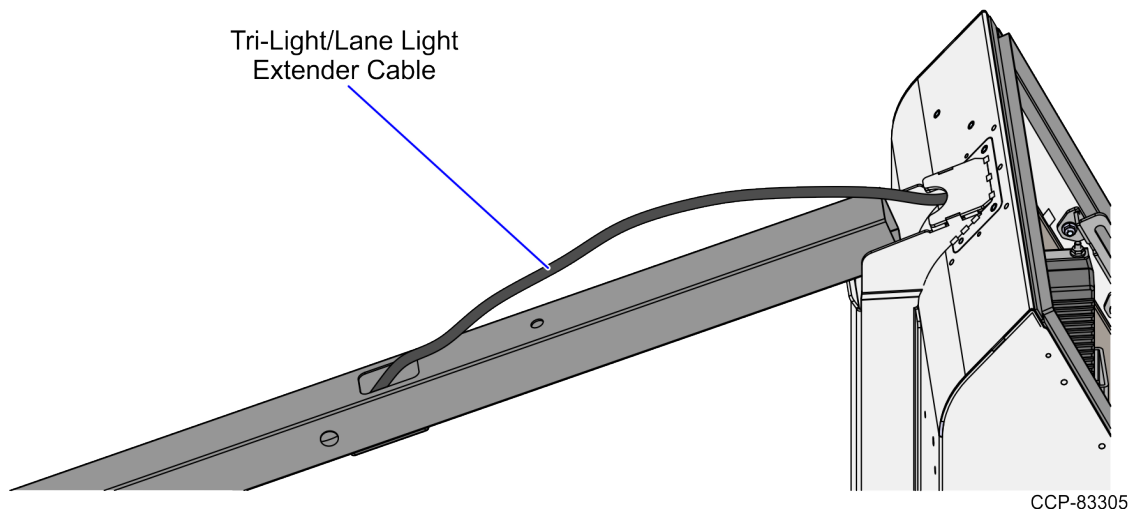   a. Remove the screw that secures the Tri-Light/Lane Light Pole to the kiosk cabinet.

CCP-83310

   b. Pull the pole out of its mount.

2. Route the Tri-Light/Lane Light Extender Cable out of the cable access hole at the top of the kiosk cabinet.

Tri-Light/Lane Light
Extender Cable

CCP-83304

3. Insert the extender cable through the cable access hole on the front of the pole and route it out the top of the pole.

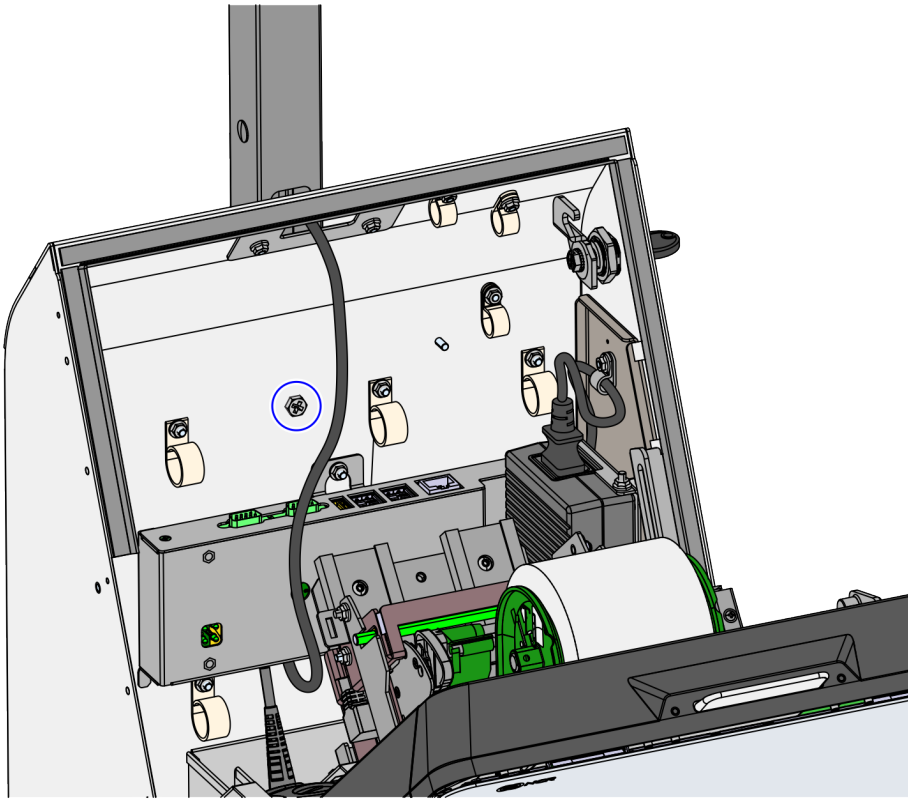Tri-Light/Lane Light Extender Cable

CCP-83305

> 💡 **Tip**
> To easily route the extender cable through the pole, follow these steps:
> a. Tie a long piece of string to the extender cable connector.
>
> b. Attach a weight (for example, a large bolt) to the other end of the string.
>
> c. While holding the pole upside down, insert the weighted end of the string into the cable access hole and drop the weighted end through the pole.
>
> d. Pull the string until the extender cable is out the top of the pole.

4. Insert the pole into its mount and secure it with its mounting screw.
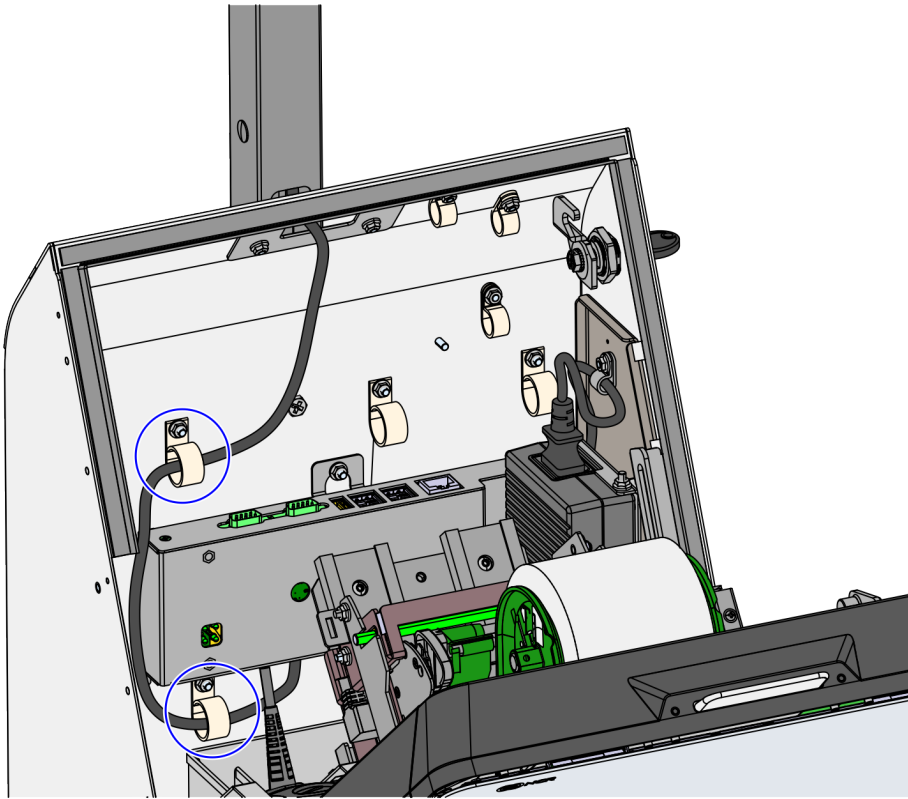
> ⚠️ **Caution**
> Ensure that the extender cable is not pinched.

CCP-83303

5. Route the extender cable through the p-loops shown in the following image.

CCP-83306