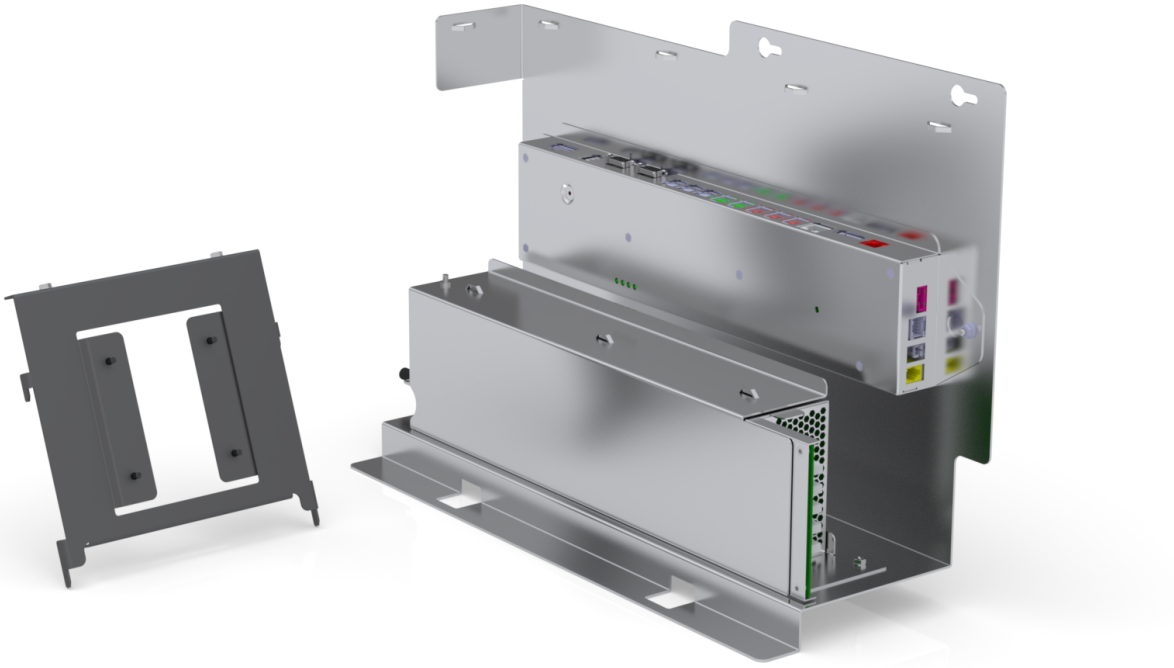
Kit Instructions

R6L Upgrade, Narrow Size Core



7350-K978
Issue B

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Revision Record

Issue	Date	Remarks
A	Apr 2018	First issue
B	Nov 2020	• Updated Kit Contents. • Modified *Installation Procedures* on page 4. • *Installing 7350 R6 Lite Product Identification (PID) Upgrade Label* on page 39.

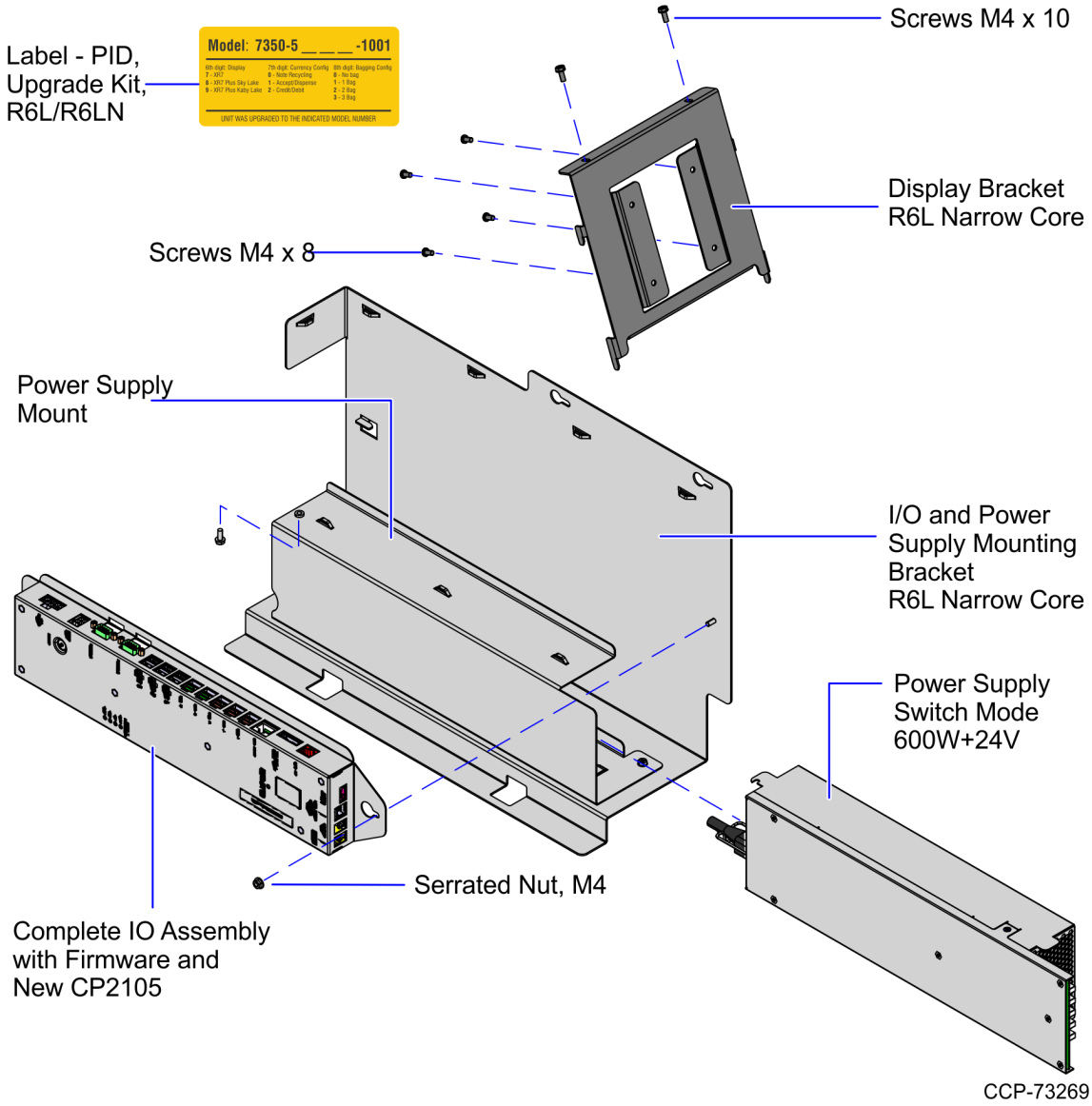
R6L Upgrade, Narrow Size Core

This publication provides procedures for upgrading an existing 7350 SelfServ Checkout Narrow Core unit to 7350 R6 Lite Narrow Core with the following components:

- 7360 I/O Box
- 7360 Power Supply
- Display Bracket for NCR RealPOS XR7 (7702)

Kit Contents

The R6L Upgrade, Narrow Size Core Installation Kit contains the following:



Part Number	Description
497-0528741	7350-K978 Kit - R6 Lite Upgrade, Narrow Size Core
009-0006593	Screws M4 x 10 (4 pcs)
009-0007087	Serrated Nut - Self Locking (M4, 4.2)
009-0028273	Power Supply - Switch Mode – 600W +24 V
497-0504562	Power Supply Mount

	Part Number	Description
	497-0526717	Complete IO Assembly (CAD0892) with Firmware and New CP2105
	497-0519936	I/O and Power Supply Mounting Bracket - R6L Narrow Core
	497-0524643	Display Bracket - R6L Narrow Core (Cg1)
*	497-0474154	Cable - 7702 Power, 24 V, 3500 mm
*	497-0502540	Cable Assembly, Power Switch Jumper, 8006
*	497-0507921	Cable - Power 24V PSU to IO Box
*	497-0519303	Cable - Tri-Light
*	497-0523033	Cable - Sankyo Dip MSR, Power & Data to + 12 V Board (1 M)
*	497-0519643	Cable - MEEI Adapter, with Loopback, 12 in (0.3 M)
*	497-0525815	SSCO Release 5.X Cable Label Set - 7350, 7357, 7358
*	007-9714414	Tie Strap Plain 5.60 LG (23 pcs)
*	497-0508356	Cable - (Black) 2.4 M USB +Power (12 V) to 2 x 4 Latch-N-Lok
	006-8615964	Screw, M4 x 8, Machine, Phil, Pan, Stl, Black (4 pcs)
	497-0521179	Assy-Pack R6L Narrow Power Supply I/O Board
	497-0525857	Label - PID, Upgrade Kit, R6L/R6LN
*	497-0423108	Instructions-Kit (Reference Sheet)

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

Installation Procedures

To upgrade an existing 7350 SelfServ Checkout Narrow Core unit to 7350 R6 Lite Narrow Core, do the following :

1. Remove 7350 Narrow Core components. For more information, refer to the following procedures:
   a. *Removing the Touch Display* on the facing page.
   b. *Removing the Tri-Light /Lane Light Assembly and Pole* on page 8.
   c. *Removing the Supervisor Switch* on page 12.
   d. *Removing the E-Box* on page 14.
   e. *Removing the E-Box Bracket* on page 15.
   f. *Removing and Sorting Cables* on page 17.
2. Install R6 Lite Narrow Core components. For more information, refer to the following procedures:

Note: To upgrade the tower frame and the scanner/scale, refer to the 7350-K979 Upgrade, Narrow Core 7879e Kit Instructions.

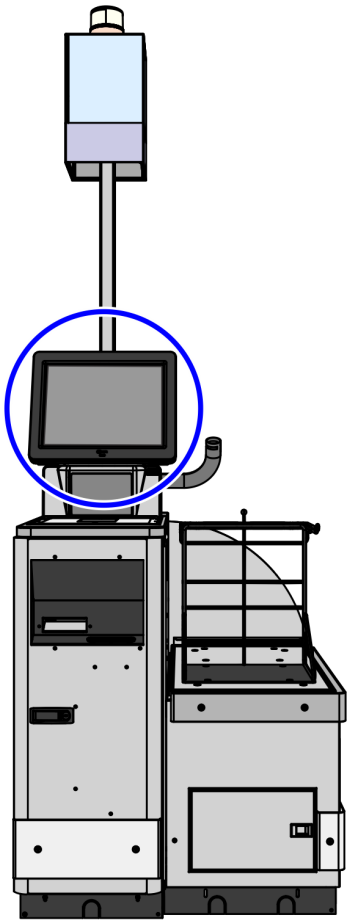
   a. *Installing the 7360 Tri–Light/Lane Light Assembly (Optional)* on page 19.
   b. *Installing the Supervisor Switch* on page 24.
   c. *Installing the Display Mounting Bracket* on page 26.
   d. *Installing the NCR 7702 Terminal Display* on page 27.

Note: To purchase an NCR 7702 Terminal Display, contact an NCR Customer Representative.

   e. *Installing the System Power Supply on Bracket* on page 30
   f. *Installing the I/O Box on Bracket* on page 33
   g. *Installing the I/O Box and Power Supply Bracket* on page 34.
   h. *Routing and Sorting Cables* on page 37.
3. Attach the labels by doing of the following:
   - *Installing 7350 R6 Lite Product Identification (PID) Upgrade Label* on page 39.
   - Attach the cable labels on both ends of the cables.

Removing the Touch Display

Upgrading 7350 Narrow Core to the R6 Lite version replaces the Touch Display with the 7702 Display Terminal.

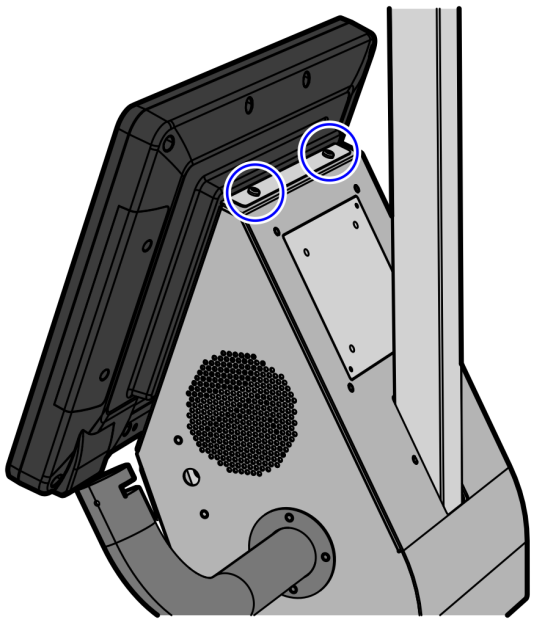


CCP-73272

To remove the Touch Display from the 7350 Narrow Core unit, follow these steps:

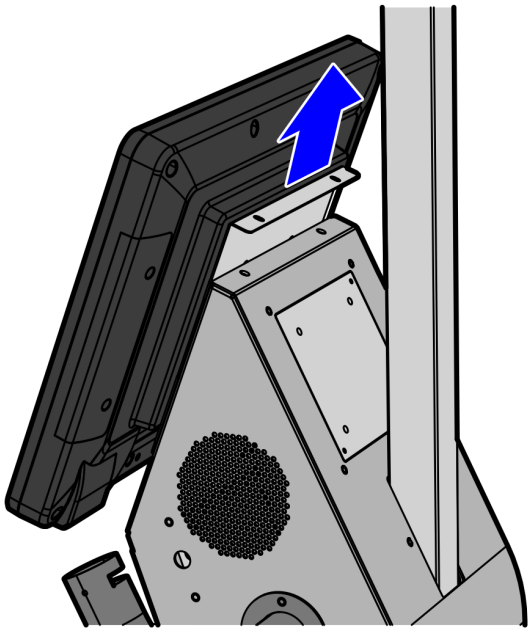
1. Turn off the NCR SelfServ Checkout software and hardware systems.
2. Open the Core Door.

3. Remove the two screws securing the Display mount to the tower frame.



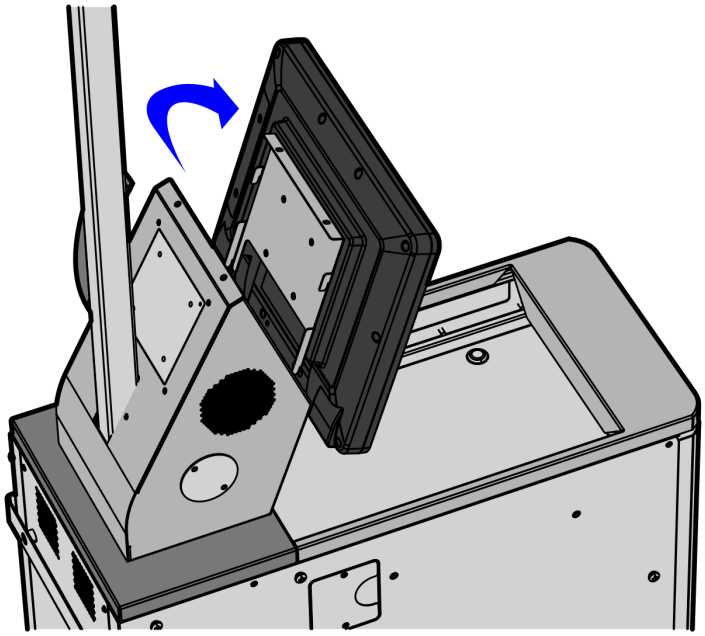
CCP-73271

4. Slide up the Display to disengage the mount hooks from the core.



CCP-73270

5. Lift and tilt the Display forward to disconnect the Display cables.



CCP-73401

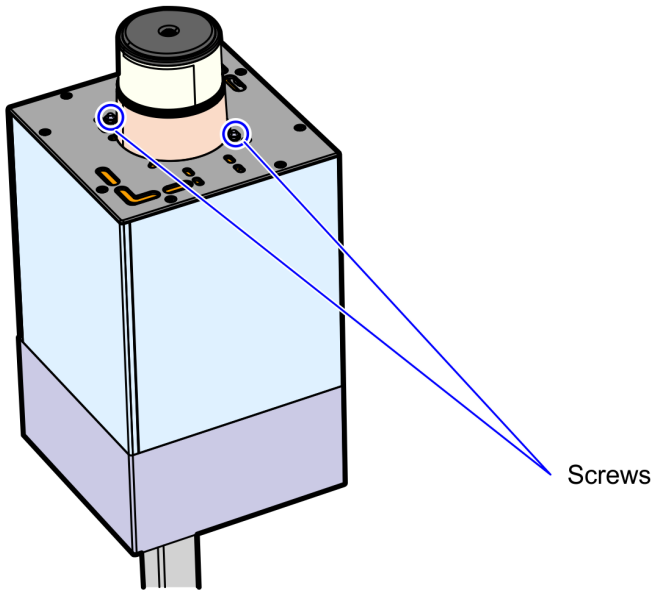
6. Remove the cables from the Core Door. For more information, refer to *Removing and Sorting Cables* on page 17.
7. Remove other 7350 Narrow Core components that must be replaced with R6 Lite Narrow Core components. For more information, refer to the *Installation Procedures* on page 4.

Note: To remove the tower frame and the scanner/scale, refer to the 7350-K979 Upgrade, Narrow Core 7879e Kit Instructions.

Removing the Tri-Light /Lane Light Assembly and Pole

To remove the Tri-Light/Lane Light assembly, follow these steps:

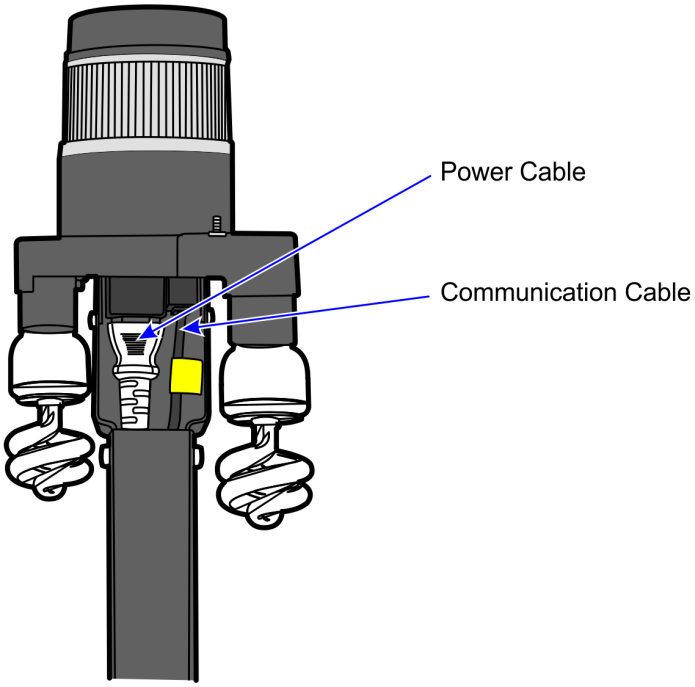
1. Remove the Display from unit. For more information, refer to *Removing the Touch Display* on page 5.
2. Remove the scanner from the unit. For more information, refer to 7350-K979 Upgrade, Narrow Core 7879e Kit Instructions.
3. Remove the two washers and nuts that secure the Lane Light cover to the assembly.



CCP-73412

4. Remove the Lane Light cover.

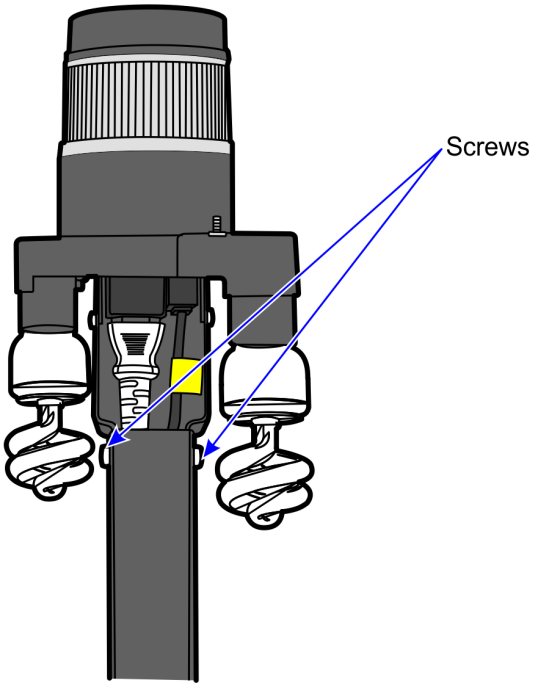
5. Disconnect the cables from the Tri-Light/Lane Light assembly, as shown in the image below.



CCP-72758

Note: Do not remove cables from pole.

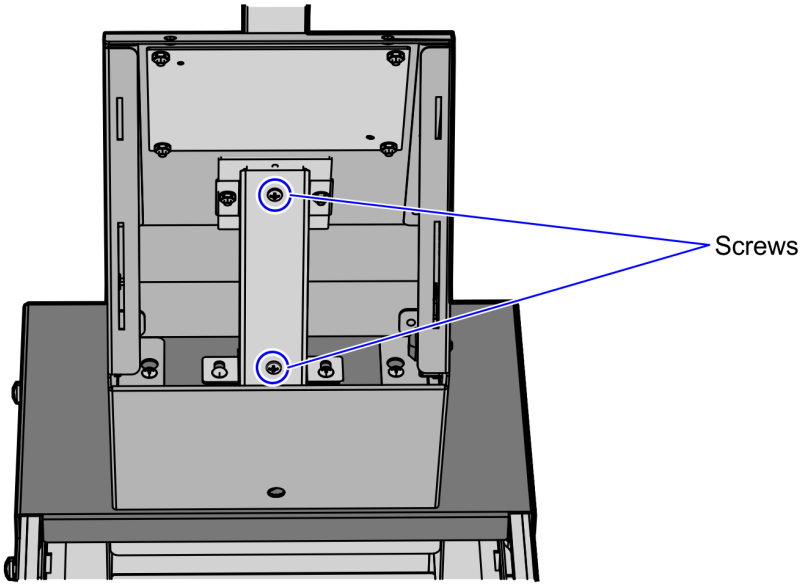
6. Remove the two screws to dismantle the Tri-Light/Lane Light assembly from the Tri-Light pole.



CCP-72759

7. Disconnect the power cable from the power strip located underneath the bag scale.

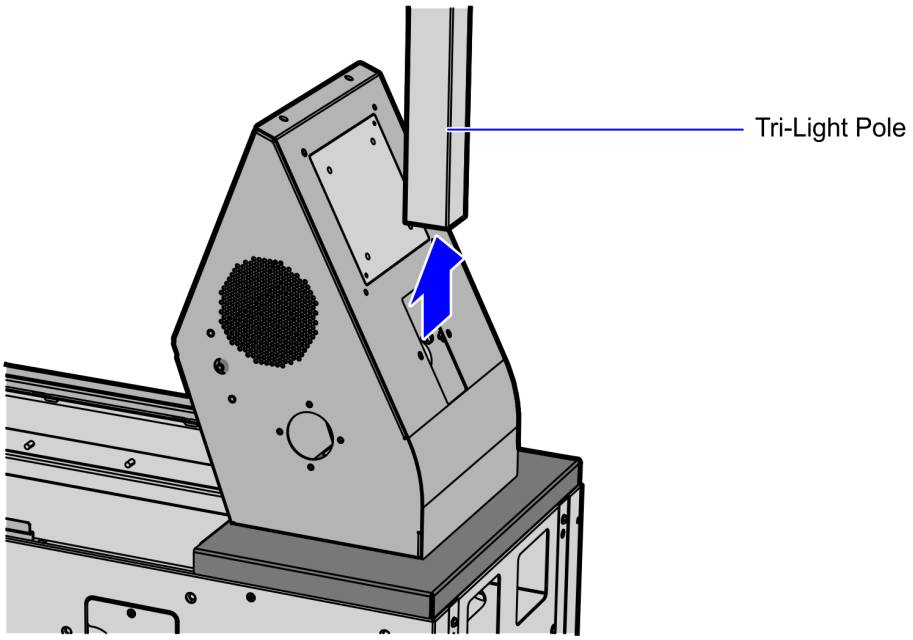
8. Remove the two screws from Tri-Light pole base.



CCP-73288

9. Remove the back panel cover from the unit.
10. Pull out the power cable from the bagwell and the communication cable from the core cabinet in order to easily remove the Tri–Light/Lane Light pole.

11. Lift Tri-Light pole out of the unit.



12. Remove other 7350 Narrow Core components that must be replaced with R6 Lite Narrow Core components. For more information, refer to the *Installation Procedures* on page 4.

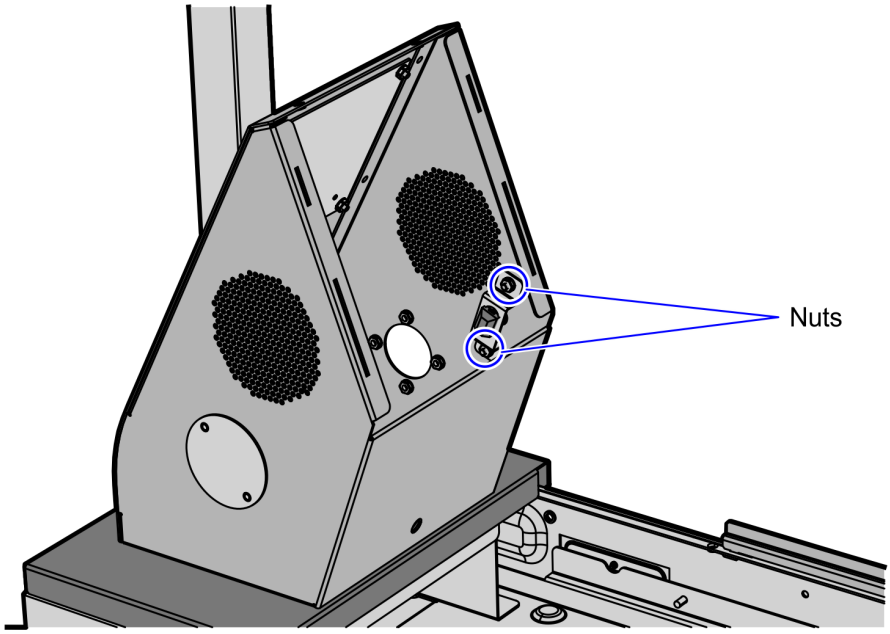
Note: To remove the tower frame and the scanner/scale, refer to the 7350-K979 Upgrade, Narrow Core 7879e Kit Instructions.

Removing the Supervisor Switch

To remove the Supervisor Switch, follow these steps:

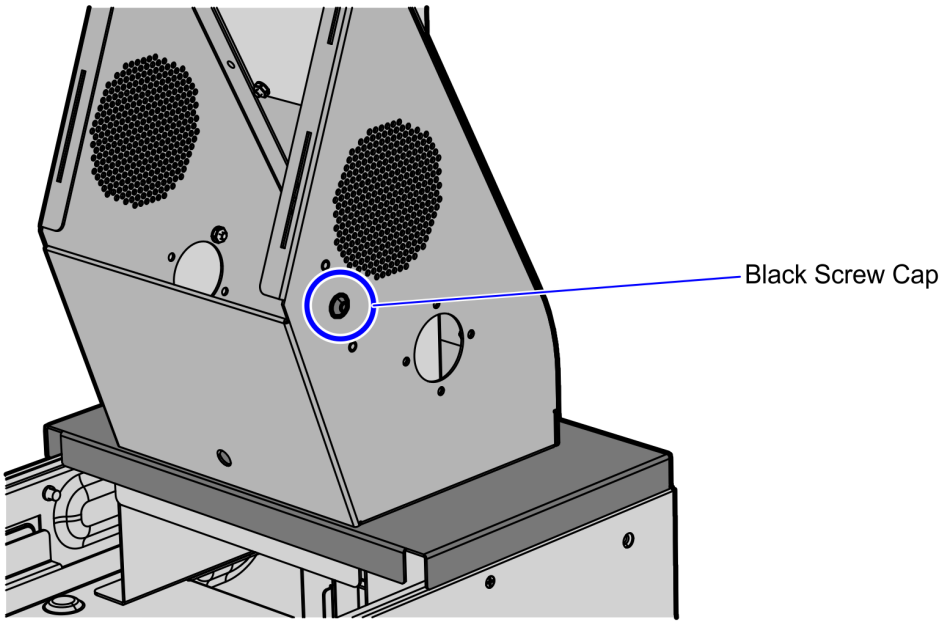
1. Remove the two nuts securing the Supervisor Switch mount to the core as shown in the image below.

Note: To access the Supervisor Switch mount, remove the Display. For more information, refer to *Removing the Touch Display* on page 5.



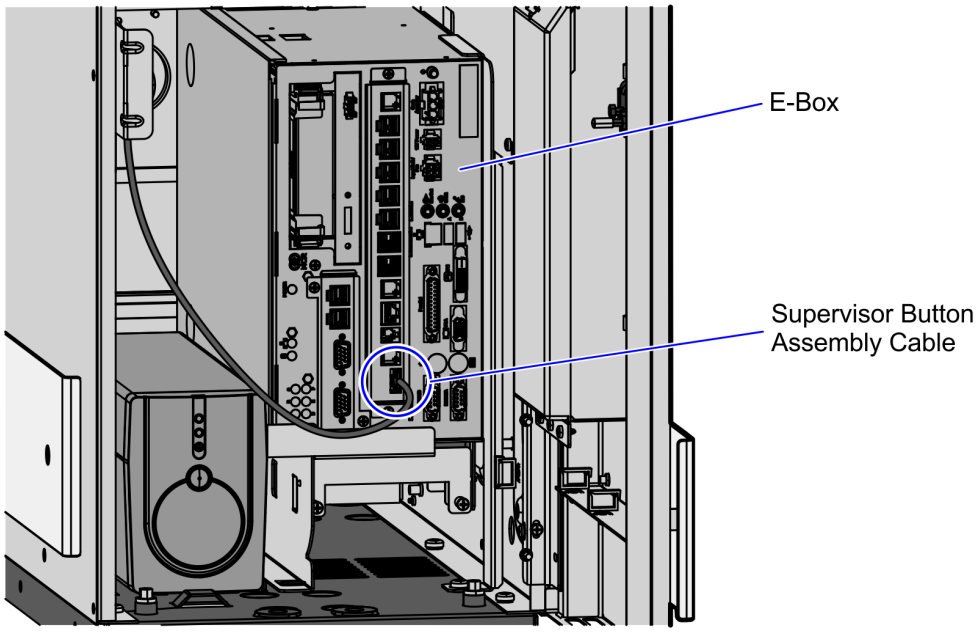
CCP-73277

2. Remove the black cap from the switch assembly.
3. Unscrew the black screw cap from the switch.



CCP-73278

4. Lift the switch bracket off the PEM studs.
5. Disconnect Supervisor Button Assembly cable from the E-Box.



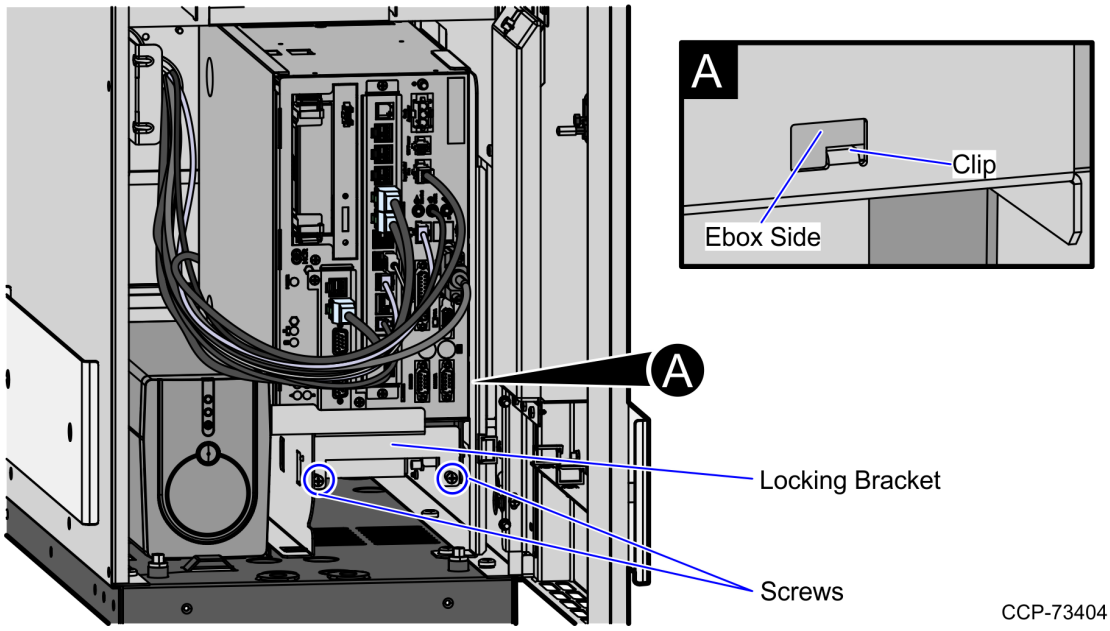
6. Remove other 7350 Narrow Core components that must be replaced with R6 Lite Narrow Core components. For more information, refer t o the *Installation Procedures* on page 4.

Note: To remove the tower frame and the scanner/scale, refer to the 7350-K979 Upgrade, Narrow Core 7879e Kit Instructions.

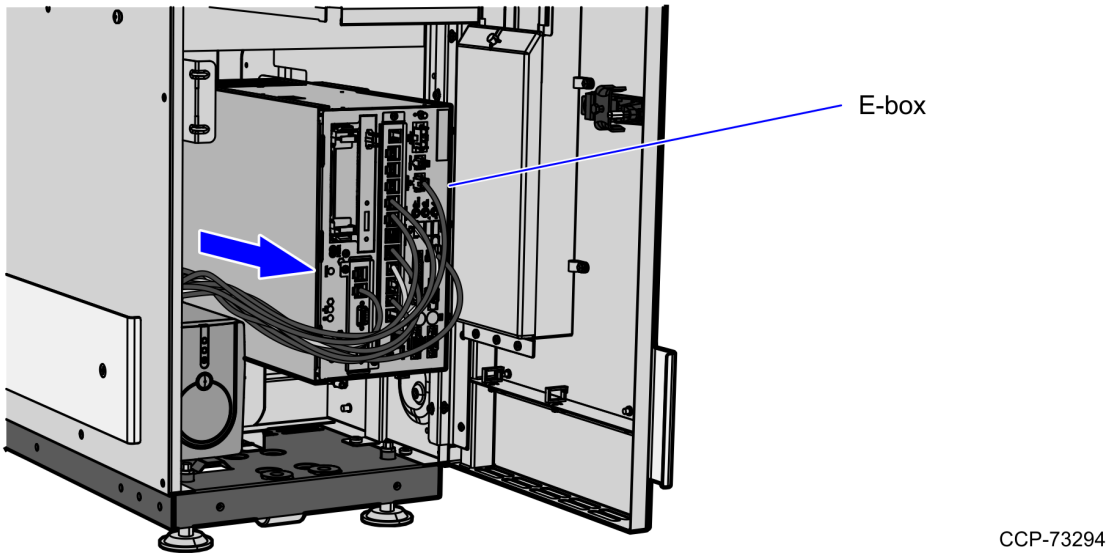
Removing the E-Box

To remove the E-Box from the NCR SelfServ Checkout Narrow Core unit, follow these steps:

1. Loosen the two screws securing the E-Box locking bracket and rotate bracket so that it no longer blocks the E-Box.



2. Slide the E-Box forward to disengage the clips and lift the unit from the bracket.

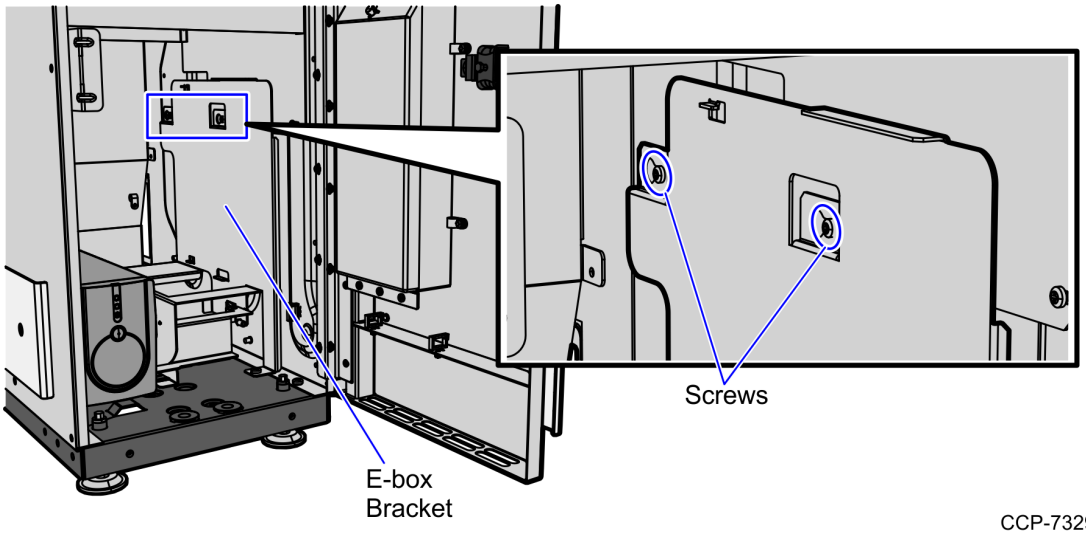


3. Disconnect cables.
4. Remove the E-Box bracket. For more information, refer to *Removing the E-Box Bracket* on the facing page.

Removing the E-Box Bracket

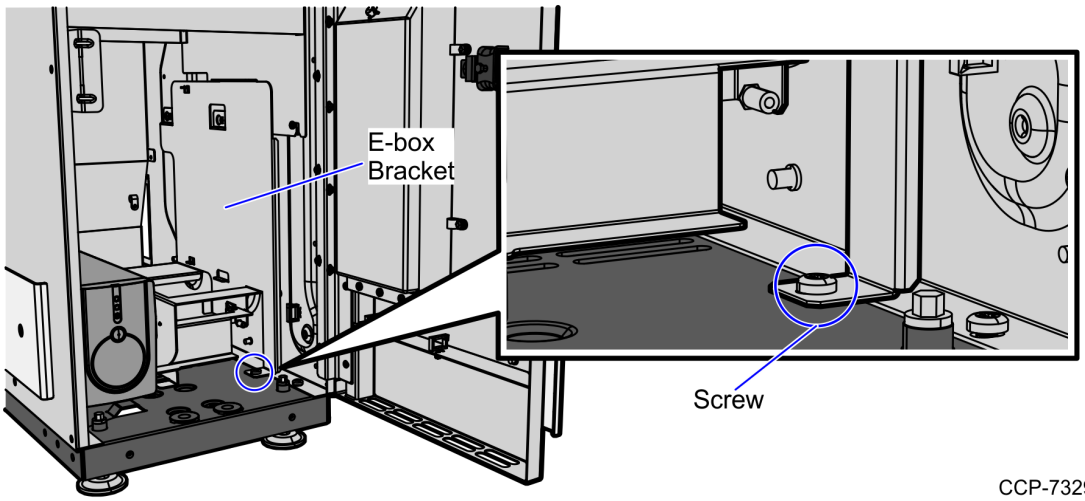
To remove the E-Box bracket from the NCR SelfServ Checkout Narrow Core unit, follow these steps:

1. Remove the E-Box. For more information, refer to *Removing the E-Box* on the previous page.
2. Loosen the two screws securing the E-Box bracket to the core wall.



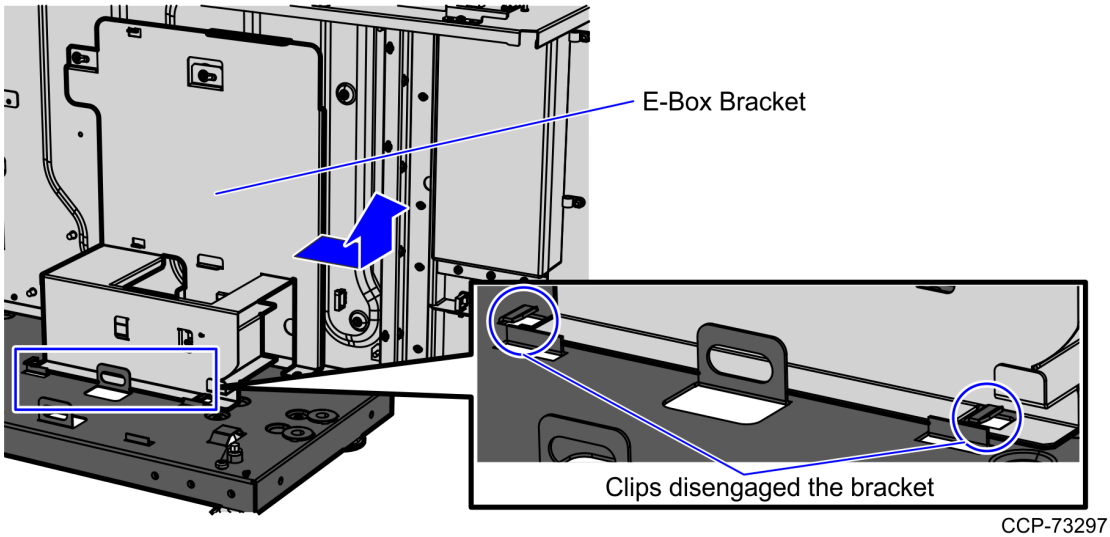
CCP-73295

3. Loosen the screw securing the bracket to the core floor.



CCP-73296

4. Slide the bracket forward to disengage the bracket from the clips and lift the bracket out of the unit.

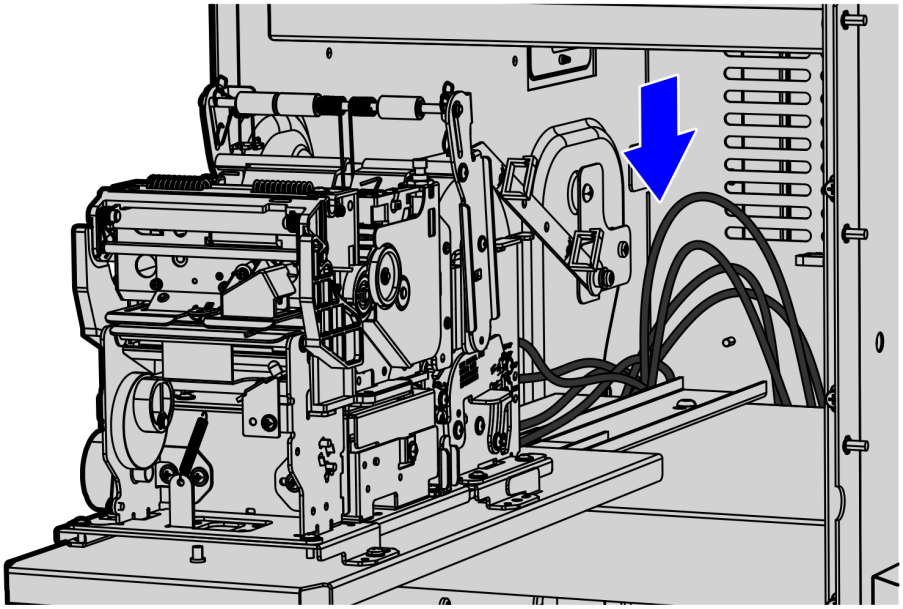


5. Remove the cables from the Core Door. For more information, refer to *Removing and Sorting Cables* on the facing page.

Removing and Sorting Cables

To remove and sort cables from the existing NCR SelfServ Checkout Narrow Core unit in order to prepare it for the R6 Lite Narrow Core components, follow these steps:

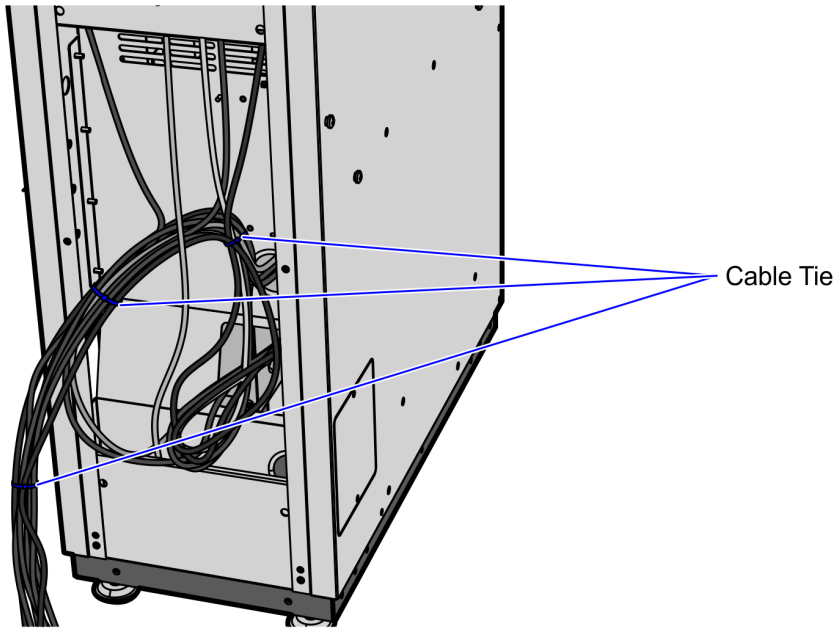
1. Remove 7350 Narrow Core components that must be replaced with R6 Lite Narrow Core components. For more information, refer to the *Installation Procedures* on page 4.
2. Remove all cable ties that bind the cables.
3. Set the cables to the back of the Printer, as shown in the image below.



CCP-73406

4. Remove the back panel cover from the unit.

5. Pull out the cables from the back panel.



6. Remove all cable ties securing the cables.
7. Remove and discard the following cables from the bundle:
   - Tri-Light Power Cable
   - Tri-Light Communication Cable
   - Display Cables
   - Cooling Fan Power Cable
8. Install R6 Lite Narrow Core components. For more information, refer to *Installation Procedures* on page 4.

Installing the 7360 Tri–Light/Lane Light Assembly (Optional)

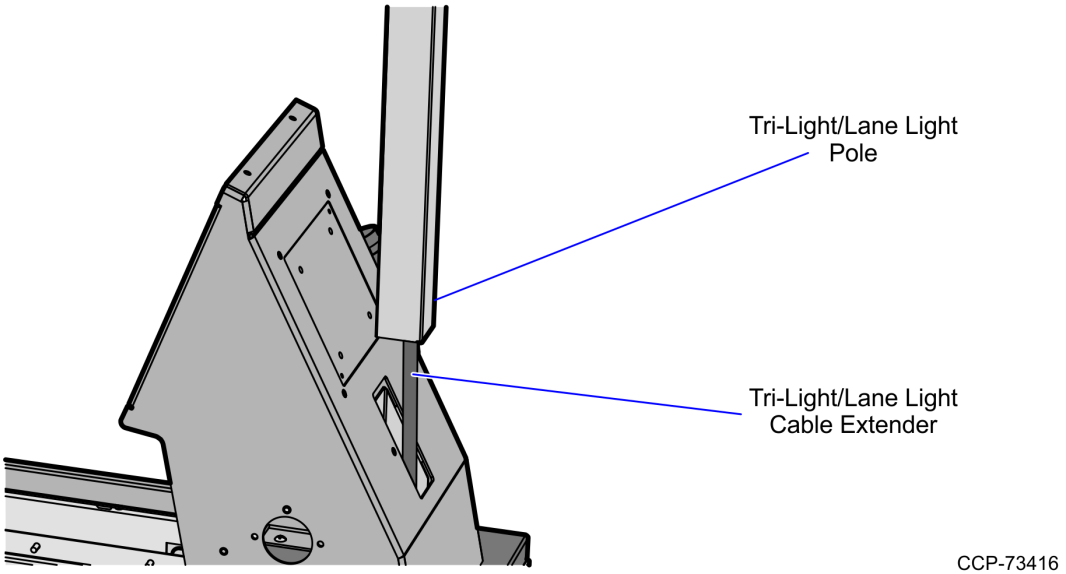
To install the Tri–Light/Lane Light assembly, follow these steps:

Note: Complete this procedure if replacing the R5 Tri–Light/Lane Light assembly with the R6 Tri–Light/Lane Light assembly.

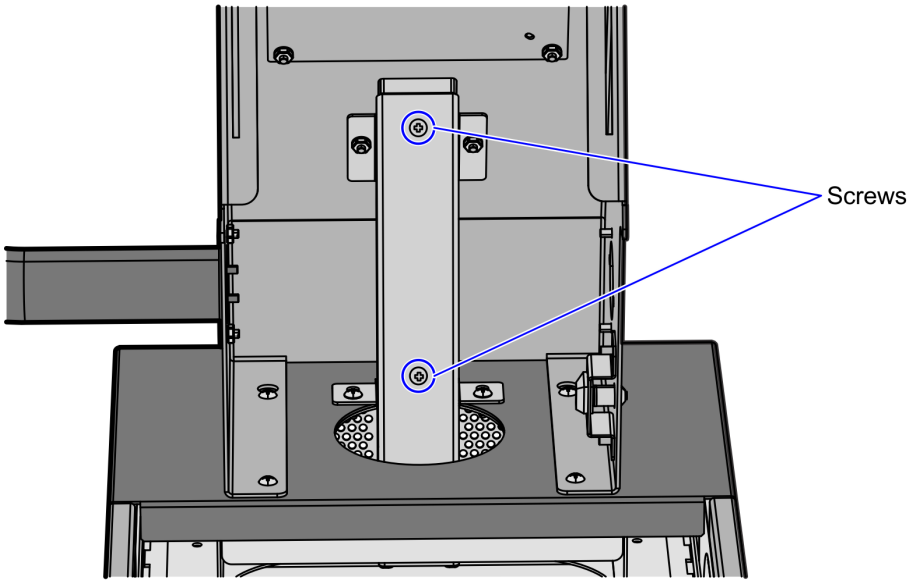
1. Remove the existing Tri–Light/Lane Light assembly, if necessary. For more information, refer to *Removing the Tri-Light /Lane Light Assembly and Pole* on page 8.
2. Install the 7360 Tri–Light/Lane Light pole by doing the following:
   a. Insert the Tri–Light/Lane Light cable extender through the Tri–Light/Lane Light pole.

Tip: To make routing the cable extender through the pole easier, first attach a weight (for example, a large bolt) to a long piece of string and drop the weighted end of the string through the Tri–Light/Lane Light pole (starting at the top-end). Once the string is threaded through the pole, tie the non-weighted end of the string around the cable connector and then pull the cable extender through the pole.

   b. Carefully insert the pole into the hole on the back of the display tower of R6 Lite Narrow Core unit.



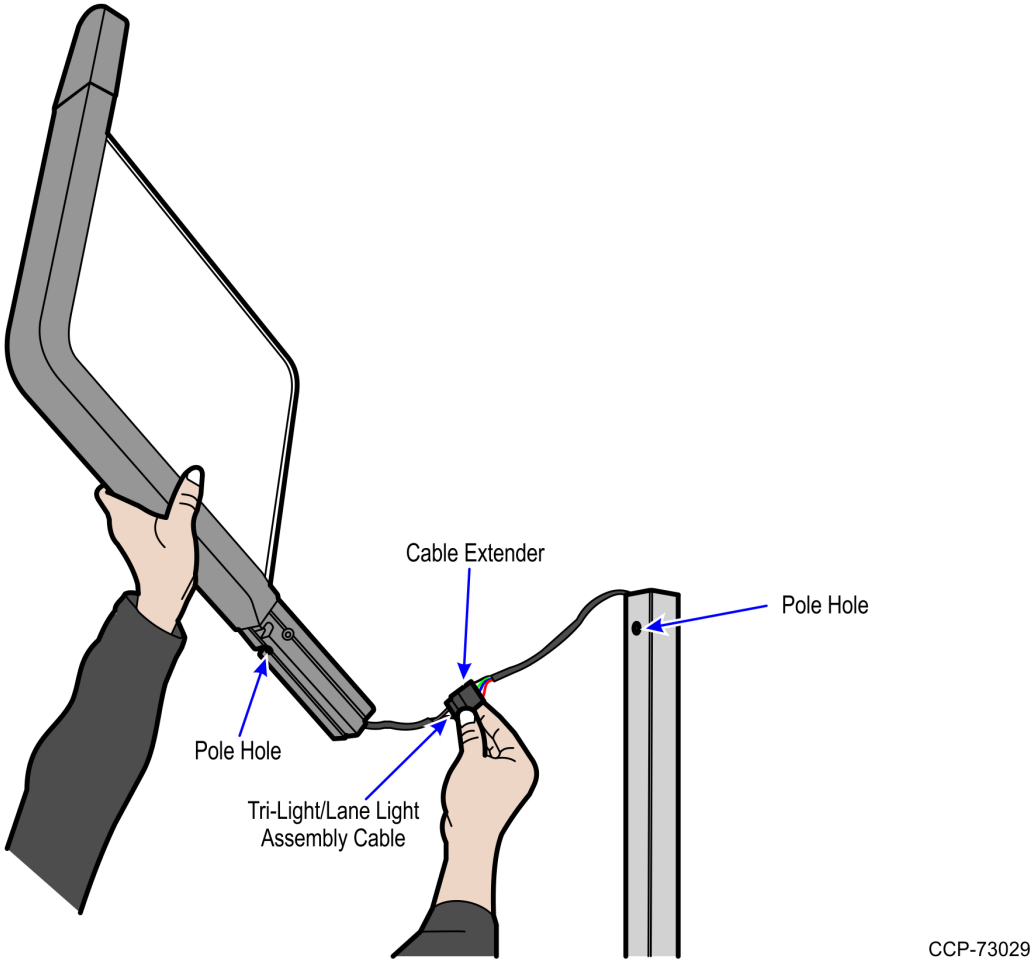
c. Secure the pole to the core using two screws.



CCP-73405

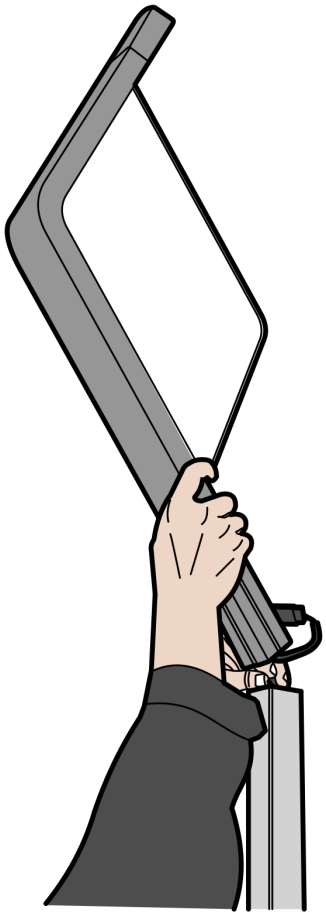
3. Install the Tri–Light/Lane Light assembly by doing the following:

   a. Connect the Tri–Light/Lane Light assembly cable with the cable extender in the pole.



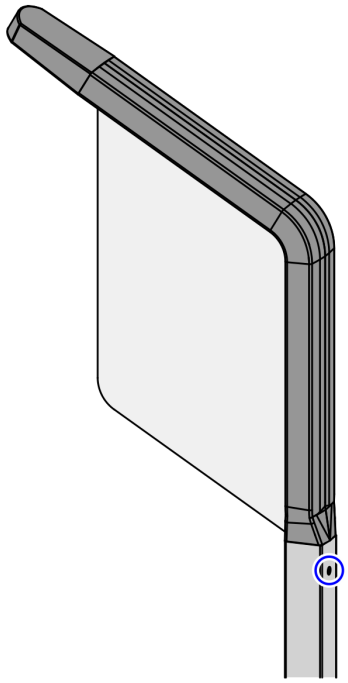
   b. Orient the Tri–Light/Lane Light assembly so that the Lane Light faces the front of the unit.

c. Insert the Tri–Light/Lane Light assembly into the Tri–Light/Lane Light pole. Ensure that the pole holes are aligned.



CCP-73030

d. Secure the Tri–Light/Lane Light assembly to the pole with a screw.



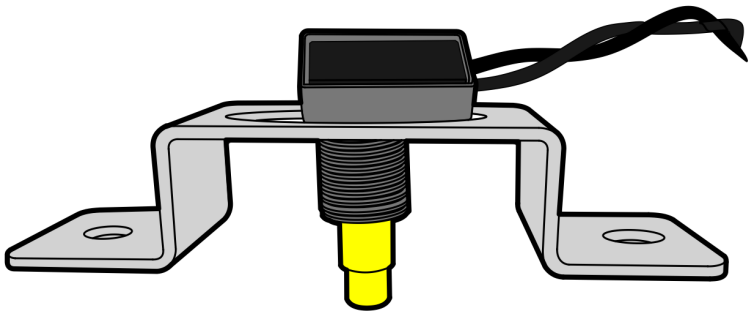
CCP-73031

4. Connect and route the Tri–Light/Lane Light cable extender to the I/O Box. For more information, refer to following procedures:
   - *Installing the I/O Box on Bracket* on page 33.
   - *Routing I/O Box Cables* on page 36.

Installing the Supervisor Switch

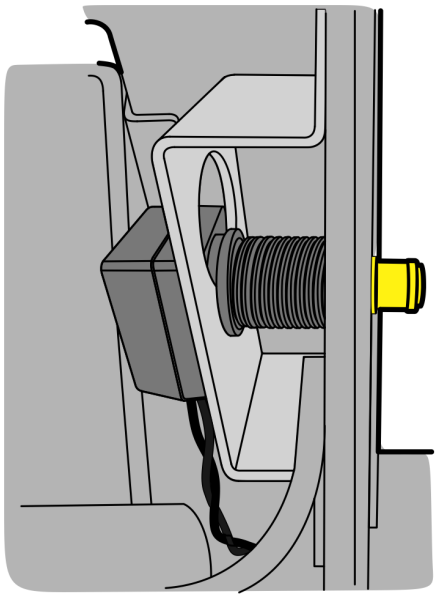
To install the Supervisor Switch, follow these steps:

1. Remove 7350 components that must be replaced with R6 Lite Narrow Core components.
2. Open the Core Door.
3. Attach switch assembly cable to the Supervisor Switch port of the IO Box.
4. Route assembly cable up to the core tower.
5. Insert switch assembly into hole in bracket and slide the switch assembly down to hold it in place.



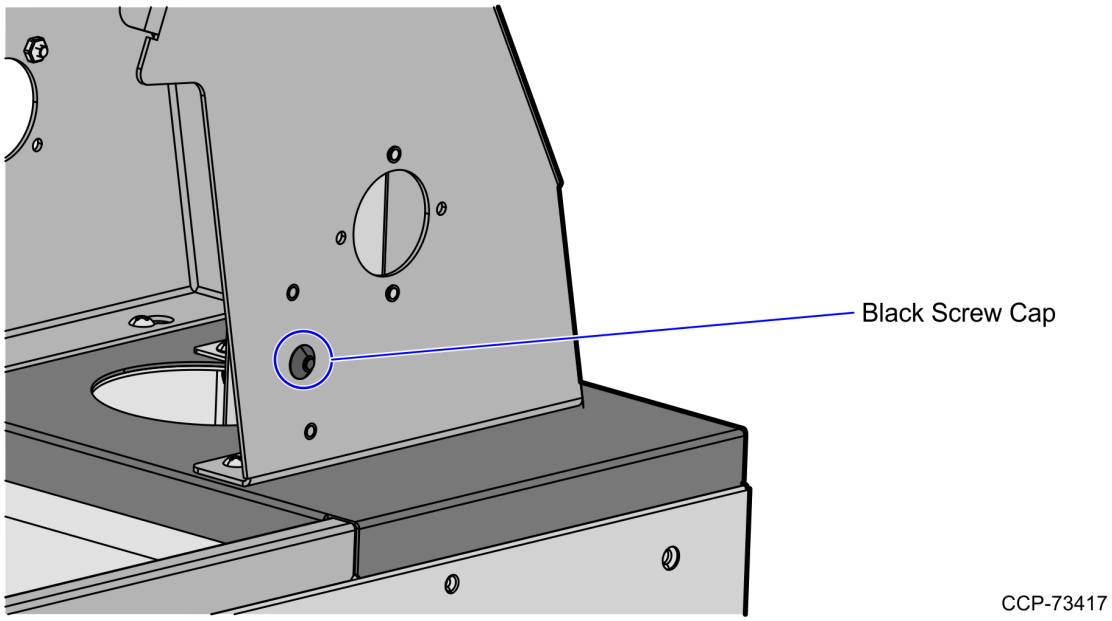
CCP-73299

6. Place bracket over the PEM studs on core wall and secure with two nuts.



CCP-74400

7. Secure switch assembly in place with black screw cap.



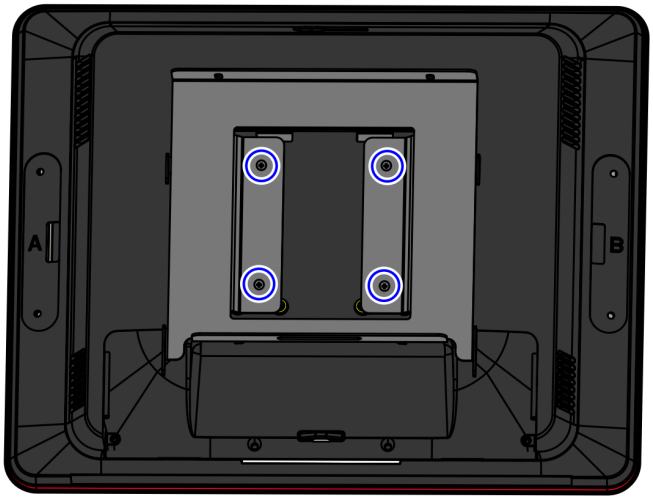
8. Install other R6 Lite Narrow Core components. For more information, refer to the *Installation Procedures* on page 4.

Installing the Display Mounting Bracket

To install the mounting bracket to the Display, follow these steps:

1. Place the NCR 7702 Terminal Display on a flat surface with the back facing up.
2. Attach the mounting bracket to the back of the Display using four screws, as shown below.

Note: The four PEM studs should be located near the cable connections. Ensure that the text on the mounting bracket is oriented at the top of the Display. Refer to the image below as an example.



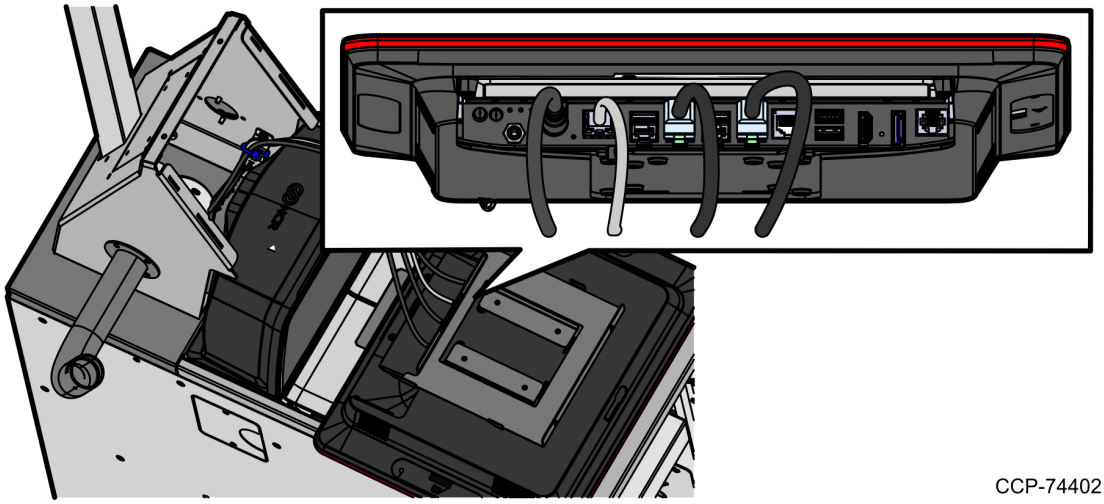
CCP-74401

3. Install the Display to the NCR SelfServ Checkout unit. For more information, refer to *Installing the NCR 7702 Terminal Display* on the facing page.

Installing the NCR 7702 Terminal Display

Upgrading the NCR SelfServ™ Checkout (7350) Narrow Core to R6 Lite Narrow Core replaces the existing Display with the NCR 7702 Terminal Display. To install the NCR 7702 Terminal Display, follow these steps:

1. Remove 7350 Narrow Core components that must be replaced with R6 Lite Narrow Core components. For more information, refer to *Installation Procedures* on page 4.
2. Install the following components:
   - Install the tower frame on the 7350 R6 Lite Narrow Core unit. For more information, refer to the 7350-K979 Upgrade, Narrow Core 7879e Kit Instructions.
   - Install the Tri–Light/Lane Light assembly. For more information, refer to *Installing the 7360 Tri–Light/Lane Light Assembly (Optional)* on page 19.
   - Install the Supervisor Pushbutton. For more information, refer to *Installing the Supervisor Switch* on page 24.
   - Install the Scanner/Scale. For more information, refer to the 7350-K979 Upgrade, Narrow Core 7879e Kit Instructions.
   - Install the mounting bracket on the back of the Display. For more information, refer to *Installing the Display Mounting Bracket* on the previous page.
3. Connect cables to designated ports on the Display.

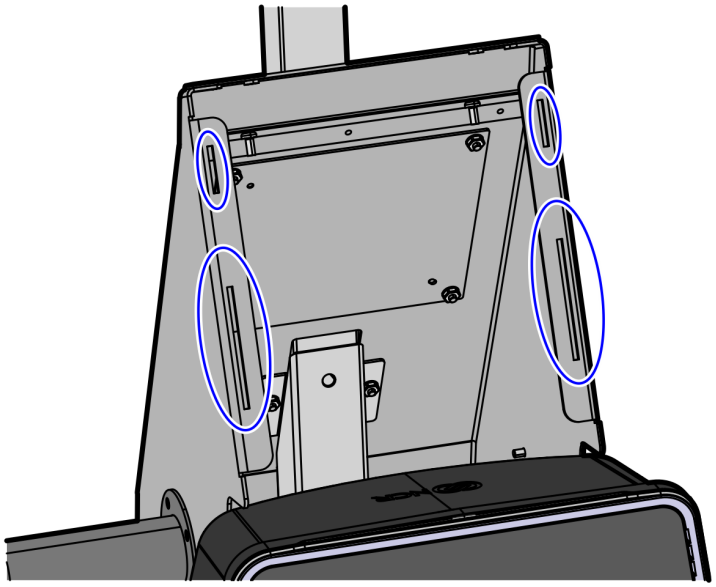


CCP-74402

4. Route the Display cables. For more information, refer to *Routing NCR 7702 Terminal Display Cables* on page 29.

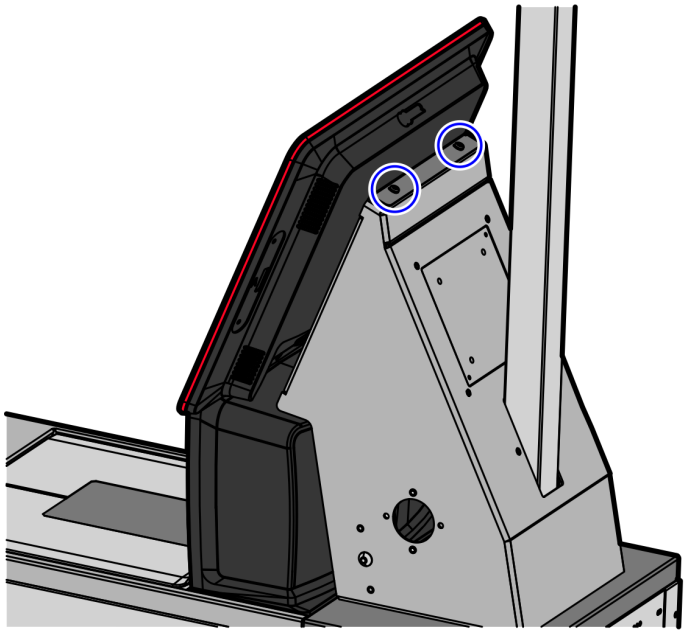
Note: For more information about routing cables, refer to *SCO R6 Lite (Narrow Core) Routing Instructions (497-0520486).*

5. Align hooks in mounting bracket to the holes in the tower frame and slide down the Display to lock in place.



CCP-73414

6. Secure the Display with mounting bracket to the tower using two screws.



CCP-73411

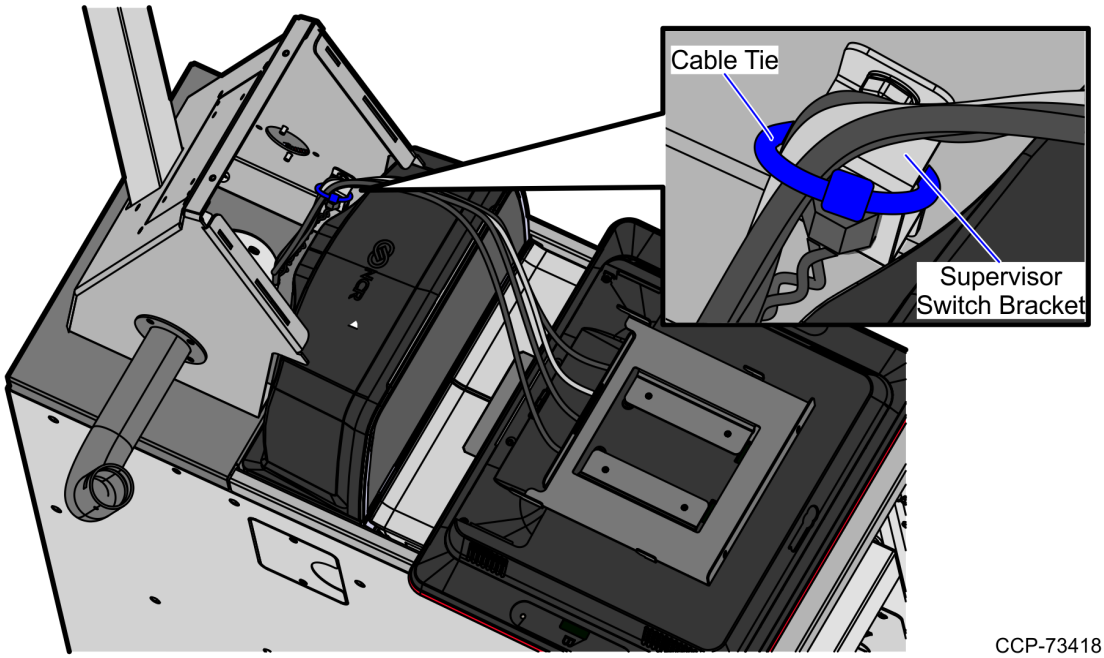
7. Install other R6 Lite Narrow Core components. For more information, refer to the *Installation Procedures* on page 4.

Routing NCR 7702 Terminal Display Cables

To route the Display cables in the NCR SelfServ Checkout unit, follow these steps:

1. Install the Terminal Display. For more information, refer to *Installing the NCR 7702 Terminal Display* on page 27.
2. Using cable ties, secure the cables on the Supervisor Switch bracket and then route the cables down into the back of the unit through the hole in the base mount.

Note: The Supervisor Button cable is also routed with the Display cables.



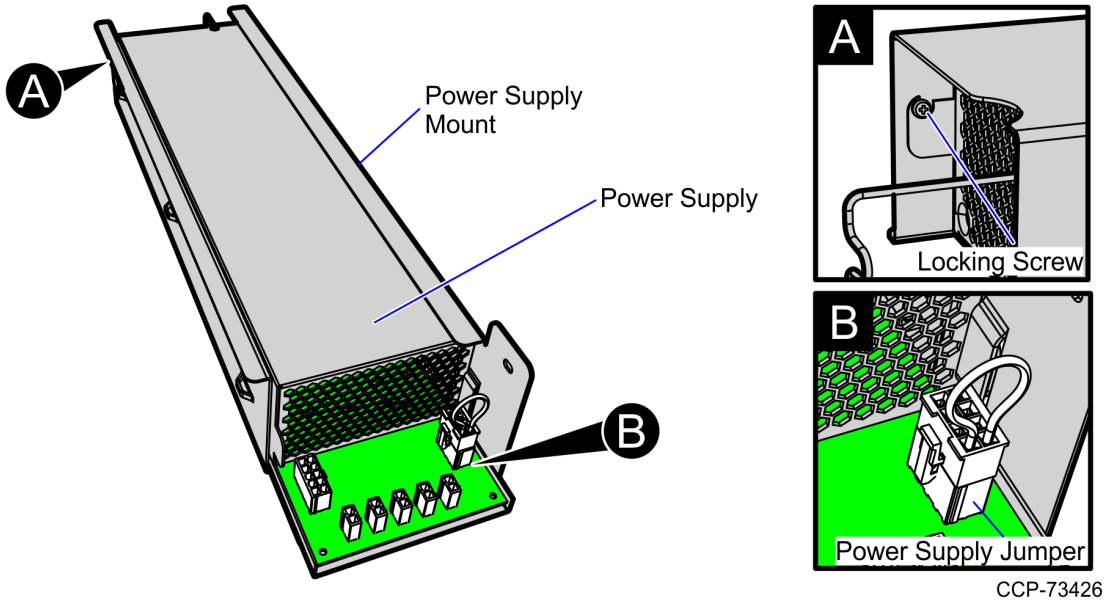
3. Do any of the following:
   - Install other R6 Lite Narrow Core components. For more information, refer to *Installation Procedures* on page 4.
   - Route and sort cables. For more information, refer to *Routing and Sorting Cables* on page 37.

Note: For more information about routing cables, refer to *SCO R6 Lite (Narrow Core) Routing Instructions (497-0520486).*

Installing the System Power Supply on Bracket

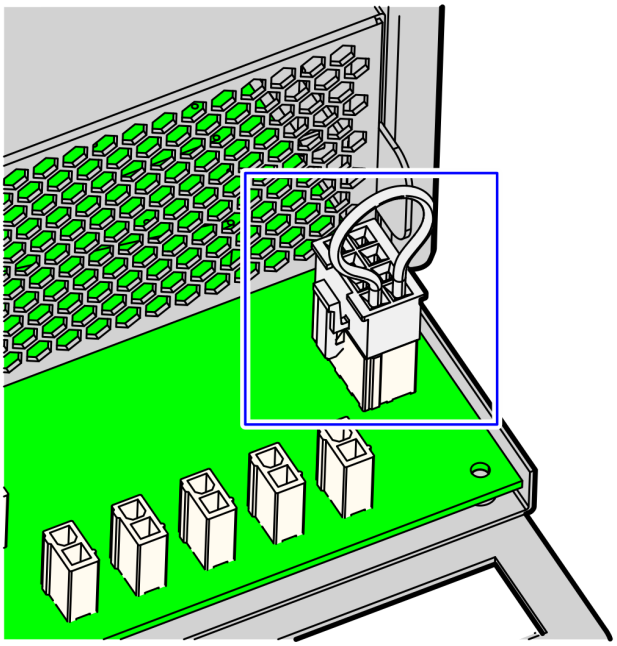
To install the System Power Supply, follow these steps:

1. Remove the existing 7350 Narrow Core components that must be replaced. For more information, refer to *Installation Procedures* on page 4.
2. Attach the System Power Supply to the Power Supply mount and then secure with a locking screw.



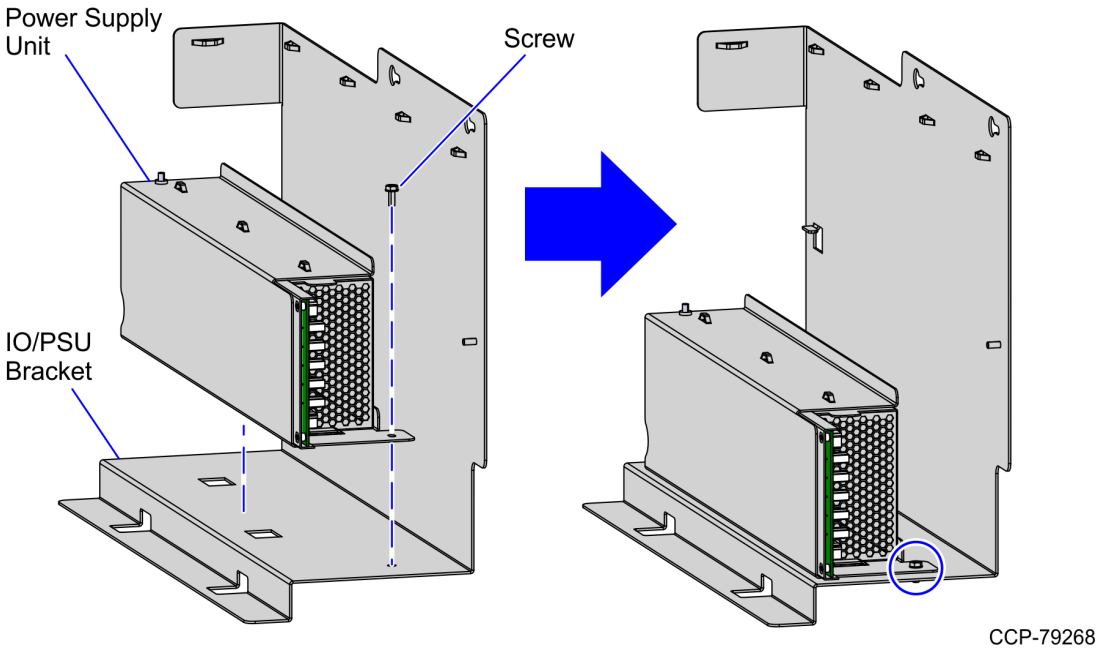
CCP-73426

3. Connect the jumper to the System Power Supply.

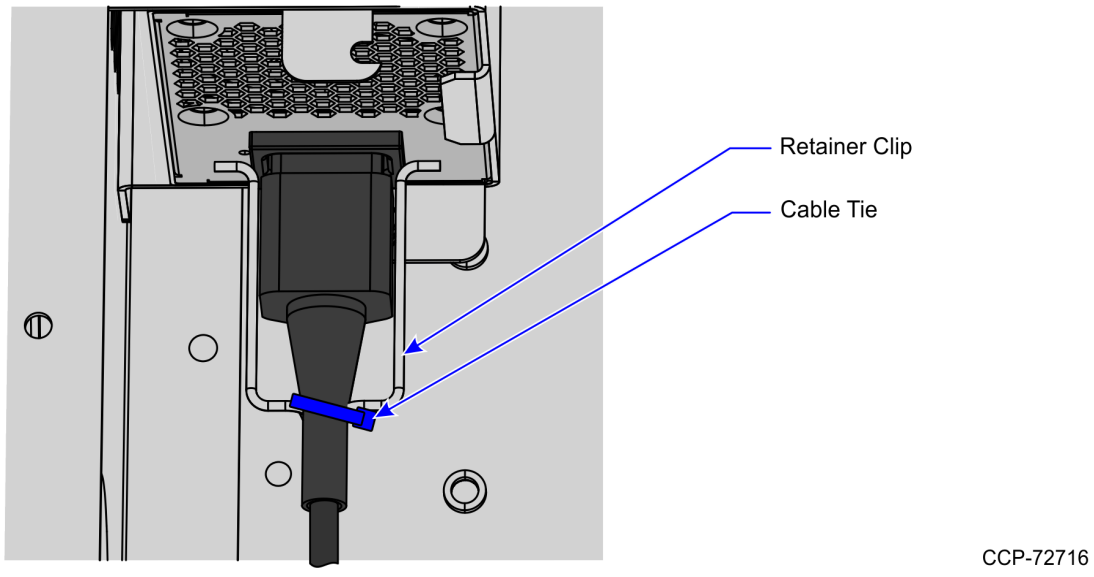


CCP-72643

4. Align the hooks of the power supply assembly to the I/O Box-PSU bracket to lock the assembly in place and secure using one screw.



5. At the back of the System Power Supply, connect the power cable. Ensure the cable is secured to the Retainer Clip.



6. Connect the 7702 Terminal Display Power and I/O Power cables to the System Power Supply.

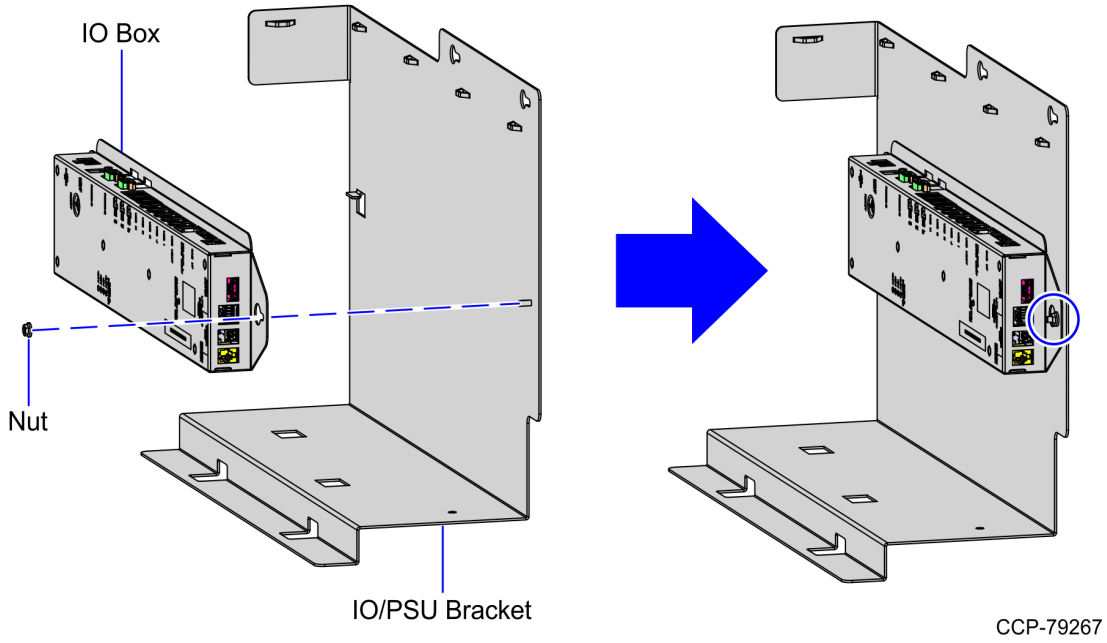
7. Do the following:
   - Install the I/O Box, if not yet installed. For more information, refer to *Installing the I/O Box on Bracket* on the facing page.
   - Install the I/O Box – PSU bracket to the core wall. For more information, refer to *Installing the I/O Box and Power Supply Bracket* on page 34.
8. Route the System Power supply cables. For more information, refer to *Routing System Power Supply Cables* on page 35.

Note: For more information about routing cables, refer to *SCO R6 Lite (Narrow Core) Routing Instructions (497-0520486).*

Installing the I/O Box on Bracket

Upgrading the NCR SelfServ™ Checkout (7350) Narrow Core to R6 Lite replaces the Pocono E-Box with the 7360 I/O Box. To install the I/O Box, follow these steps:

1. Remove the existing 7350 components that need to be replaced. For more information, refer to *Installation Procedures* on page 4.
2. Attach the I/O Box on the bracket and then secure using one nut, as shown in the image below.

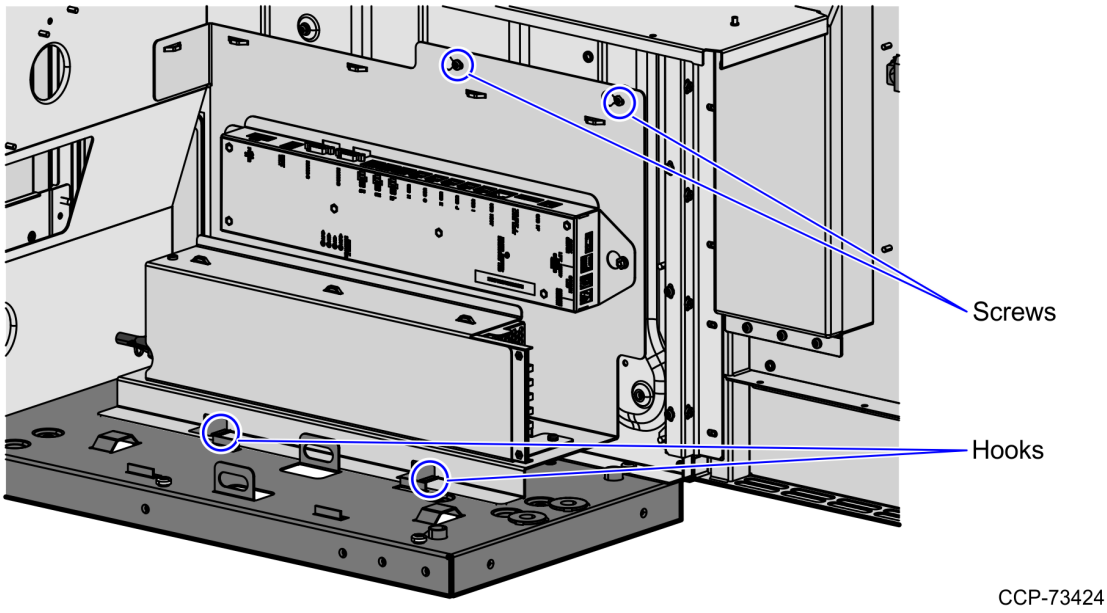


3. Connect the cables to the I/O Box.
4. Do the following:
   - Install the System Power Supply, if not yet installed. For more information, refer to *Installing the System Power Supply on Bracket* on page 30.
   - Install the I/O Box – PSU bracket to the core wall. For more information, refer to *Installing the I/O Box and Power Supply Bracket* on the next page.
5. Route the I/O Box cables. For more information, refer to *Routing I/O Box Cables* on page 36.

Installing the I/O Box and Power Supply Bracket

To install the I/O Box and Power Supply Bracket (I/O Box-PSU Bracket) to the NCR SelfServ Checkout Narrow Core unit, follow these steps:

1. Do the following:
   - Install the System Power Supply on the I/O Box – PSU bracket. For more information, refer to *Installing the System Power Supply on Bracket* on page 30.
   - Install the I/O Box on the I/O Box – PSU bracket. For more information, refer to *Installing the I/O Box on Bracket* on the previous page.
2. Slide the bracket assembly to the hooks on the core floor to lock the bracket in place and secure the bracket to the core wall using two screws.



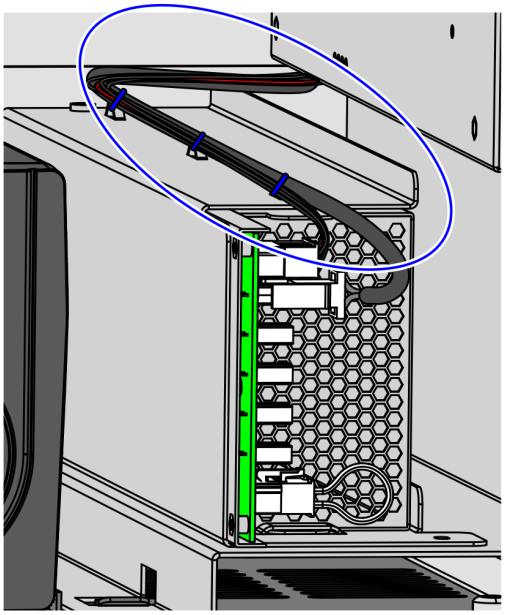
3. Do any of the following:
   - Install other R6 Lite components. For more information, refer to the *Installation Procedures* on page 4.
   - Route the cables. For more information, refer to *Routing and Sorting Cables* on page 37.

Note: For more information about routing cables, refer to *SCO R6 Lite (Narrow Core) Routing Instructions (497-0520486).*

Routing System Power Supply Cables

To route the System Power Supply cables, follow these steps:

1. Install the I/O Box and Power Supply Bracket to the NCR SelfServ Checkout Narrow Core unit. For more information, refer to *Installing the I/O Box and Power Supply Bracket* on the previous page.
2. Using cable ties, secure the cables on the corresponding lance bridges to fix the cables on Power Supply mount as shown in the image below.



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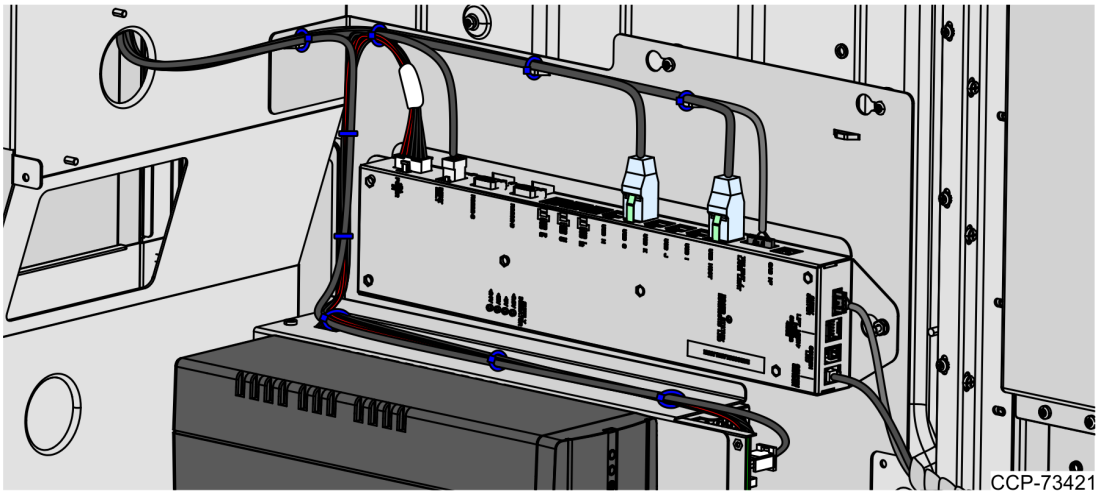
3. Using cable ties, group the cables exiting to the back of the unit.
4. Do any of the following:
   - Install other R6 Lite components. For more information, refer to the *Installation Procedures* on page 4.
   - Route and sort cables. For more information, refer to *Routing and Sorting Cables* on page 37.

Note: For more information about routing cables, refer to the *SCO Release 6 Lite Cable Routing Instructions* (497-0519586).

Routing I/O Box Cables

To route the I/O Box cables in the NCR SelfServ Checkout unit, follow these steps:

1. Install the I/O Box and Power Supply Bracket to the NCR SelfServ Checkout Narrow Core unit. For more information, refer to *Installing the I/O Box and Power Supply Bracket* on page 34.
2. Using cable ties, wrap the cables and then tie them on corresponding lance bridges to fix the cables on the mounting plate as shown in the image below.



3. Using cable ties, group the cables exiting to the back of the unit as shown in the image above.
4. Do any of the following:
   - Install other R6 Lite components. For more information, refer to the *Installation Procedures* on page 4.
   - Route and sort cables. For more information, refer to *Routing and Sorting Cables* on the facing page.

Note: For more information about routing cables, refer to *SCO R6 Lite (Narrow Core) Routing Instructions (497-0520486).*

Routing and Sorting Cables

To route the cables in the NCR SelfServ Checkout Narrow Core unit, follow these steps:

1. Install all R6 Lite Narrow Core components. For more information, refer to *Installation Procedures* on page 4.
2. Remove and sort existing 7350 cables. For more information, refer to *Removing and Sorting Cables* on page 17.

Note: If upgrading to 7360 (R6) Tri–Light/Lane Light, unplug the 7350 (R5) Tri–Light/Lane Light power cable from the power strip and then discard.

3. If R6 Lite cables are not yet routed in the unit, do the following:
   - Route the Display cables. For more information, refer to *Routing NCR 7702 Terminal Display Cables* on page 29.
   - Route the I/O Box cables. For more information, refer to *Routing I/O Box Cables* on the previous page.
   - Route the System Power Supply cables. For more information, refer to *Routing System Power Supply Cables* on page 35.

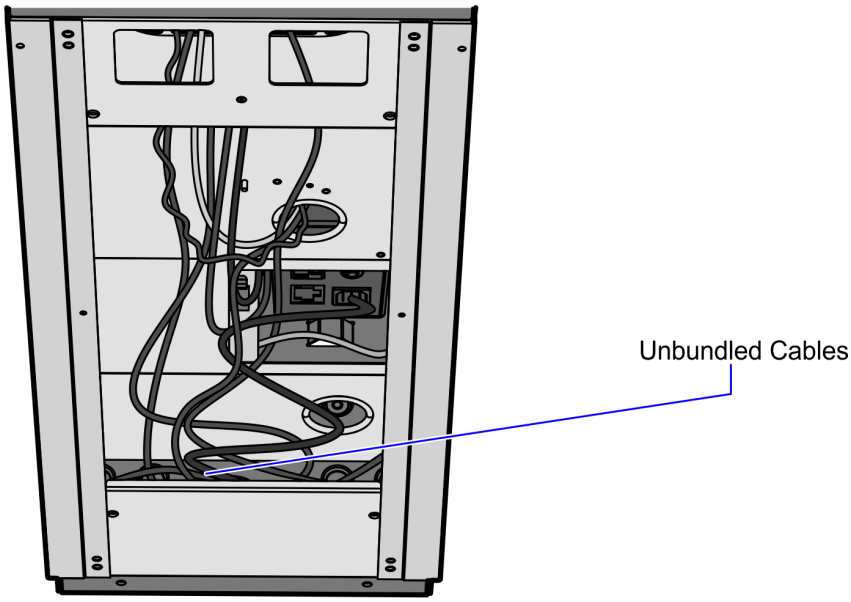
Note: For more information about routing cables, refer to *SCO R6 Lite (Narrow Core) Routing Instructions (497-0520486).*

4. At the back of the unit, identify and then group the cables using cable ties.

   Example: Group cables that are connected to the Display and cables that are connected to the I/O Box.

Note: For easier removal, do not include the Tri–Light/Lane Light cable in the bundle.

5. Place excess cables that cannot be bundled properly in the lower section of the cabinet as shown in the image below.



6. Install the back panel cover to the R6 Lite Narrow Core unit.

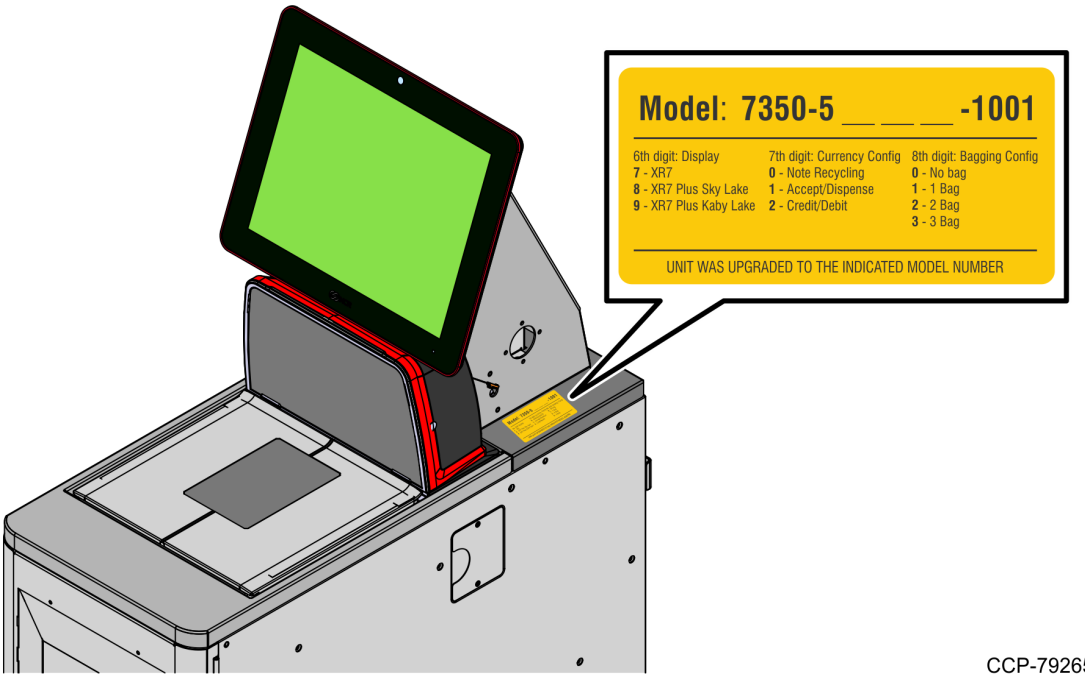
Note: If the R6 Tri–Light/Lane Light assembly is still to be connected, keep the back panel cover off of the unit until the R6 Tri–Light/Lane Light installation is completed.

7. Turn on the unit.

Installing 7350 R6 Lite Product Identification (PID) Upgrade Label

To install the PID label, follow these steps:

1. Peel off the protective film from the PID Upgrade label and then attach the label on the location shown in the image below.



2. Update the DMI (Desktop Management Interface). For more information, refer to the "Terminal Display SPI/BIOS" section of the *NCR SelfServ™ Checkout (7350) R6 Lite Hardware Service Guide (BCC5-0000-5212)*.