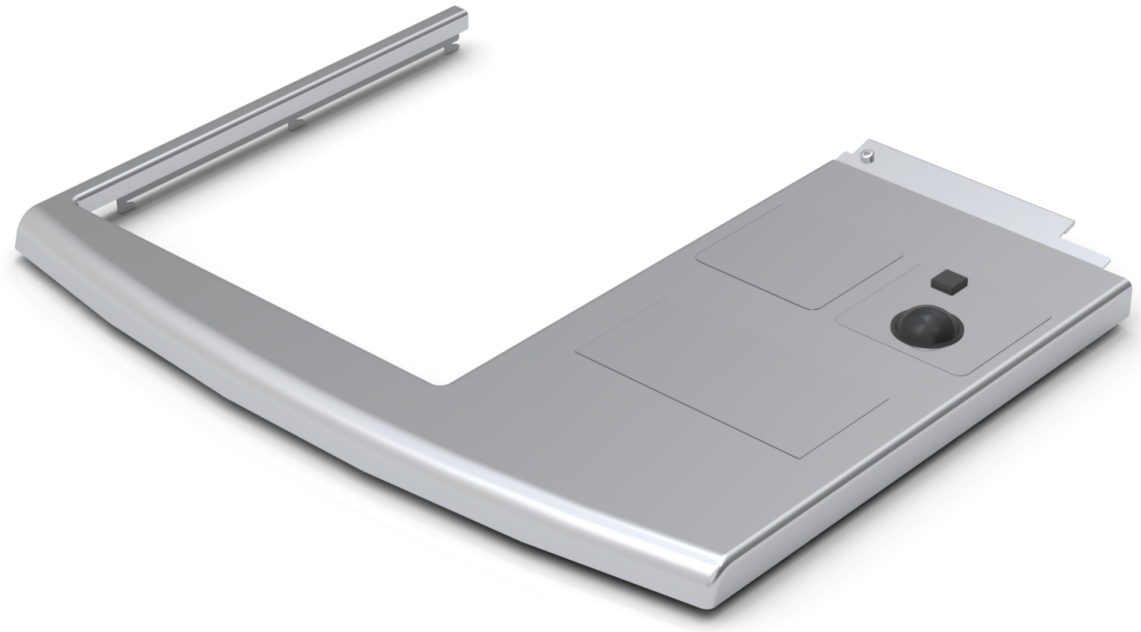
Kit Instructions

Trackball Upgrade



7350-K036
Issue A

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Revision Record

Issue	Date	Remarks
A	Apr 2020	First Issue

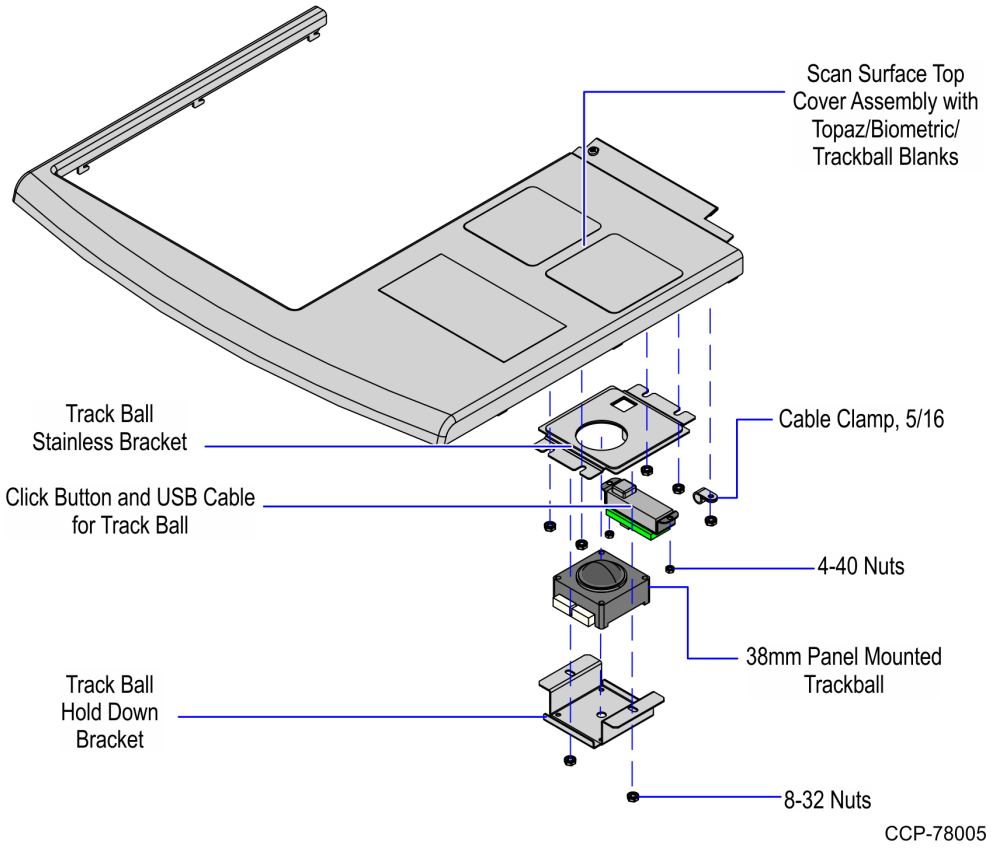
Trackball Upgrade

The Trackball allows users with restricted reach to select items on the top portion of the touch screen that they would not be able to reach otherwise. This publication provides procedures for installing a Trackball to any of the following SelfServ Checkout units:

- NCR SelfServ™ Checkout (7350)
- NCR SelfServ™ Checkout (7350) R6 Lite
- NCR FastLane SelfServ™ Checkout (7358)

Note: For the purpose of illustration only, this publication shows images using an NCR SelfServ™ Checkout (7350) R6 Lite unit.

Kit Contents



Part Number	Description
497-0475616	7350-K036 Track Ball Upgrade Kit
497-0453487	38 mm Panel Mounted Trackball
497-0459231	Assy - Cover - Scan Surface - Top With Topaz/ Biometric/ Trackball Blanks
497-0455587	Bracket -Stainless - Track Ball
497-0455585	Bracket - Hold Down - Track Ball
006-8604575	Clamp, Cable, 5/16
497-0462484	Click Button and USB Cable for Trackball D509441 - ROHS
006-8611143	Nut - Keps, 8–32, Steel, Blue Zinc (7 pcs)
006-8611456	Nut-Keps 4–40 (2 pcs)
006-8612446	Screw - 8–32 x 0.375 in Phil Pan, Self Tapping - Type F
* 497-0423108	Instructions Kit (Reference Sheet)

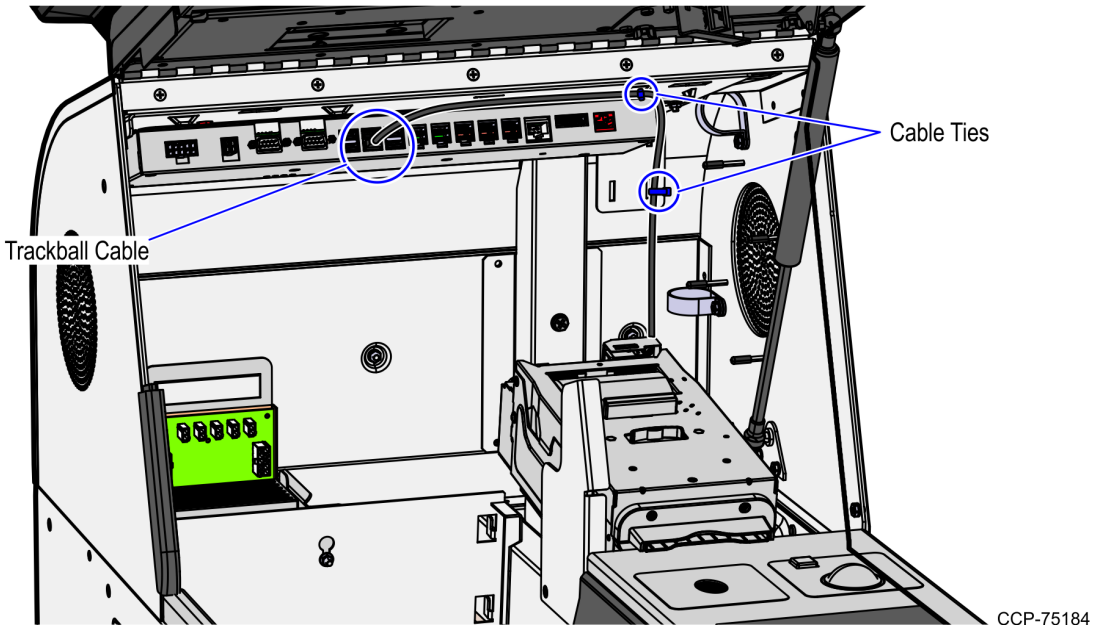
* Items marked with an asterisk are not called out on the image.

Installation Procedures

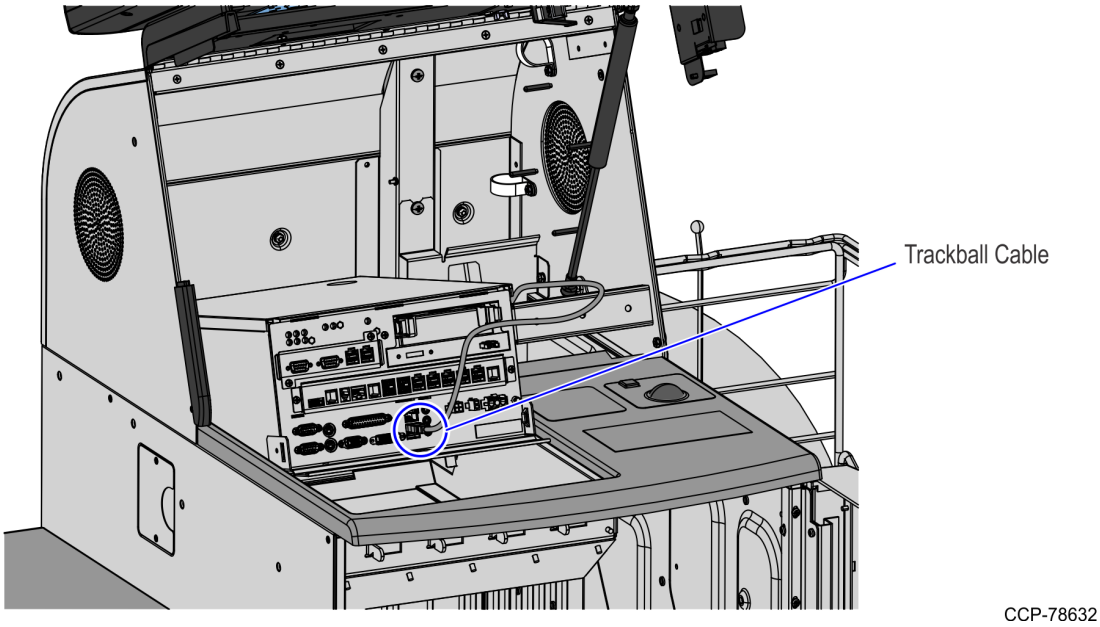
To install the Trackball, follow these steps:

1. Turn off the NCR SelfServ Checkout hardware and software systems.
2. Open the Upper Cabinet Door. For more information, refer to *Opening the Upper Cabinet Door* on page 7.
3. Remove and set aside the Scanner/Scale. For more information, refer to *Removing the Scanner/Scale* on page 8.
4. Depending on the SelfServ Checkout unit, disconnect the Trackball cable from the I/O Box or E-Box.

7350 R6 Lite Unit (I/O Box Cable Connection)



7350 Unit (E-Box Cable Connection)

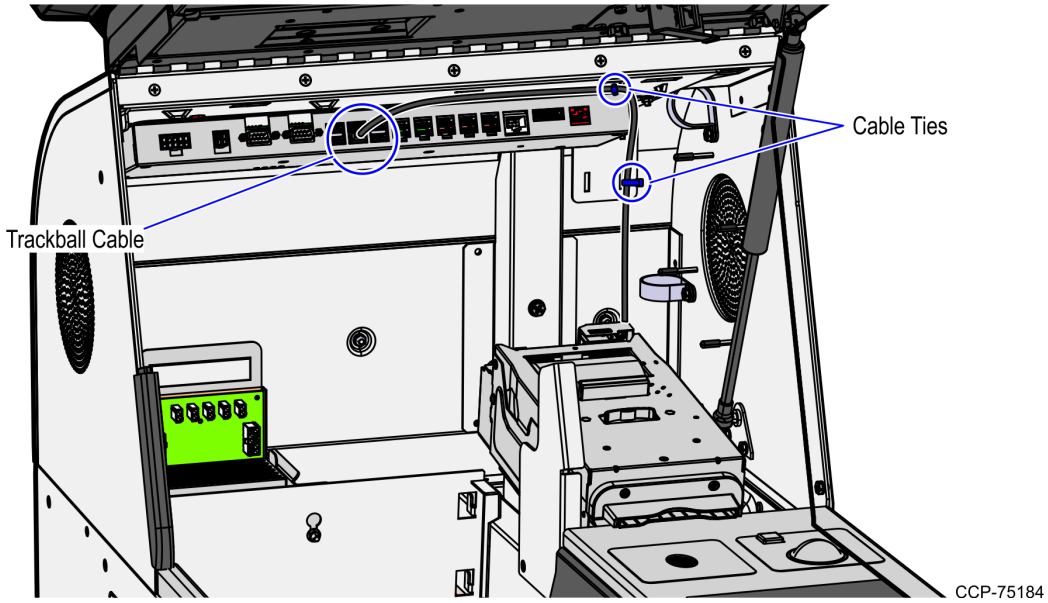


5. Remove the existing Top Plate from the Core Cabinet. For more information, refer to *Removing Top Plate* on page 10.
6. Assemble the Trackball device. For more information, refer to *Assembling Trackball* on page 12.
7. Install the new Trackball Assembly on the Top Plate. For more information, refer to *Installing Trackball Assembly* on page 16.
8. Install the new Top Plate on the core. For more information, refer to *Installing Top Plate* on page 18.

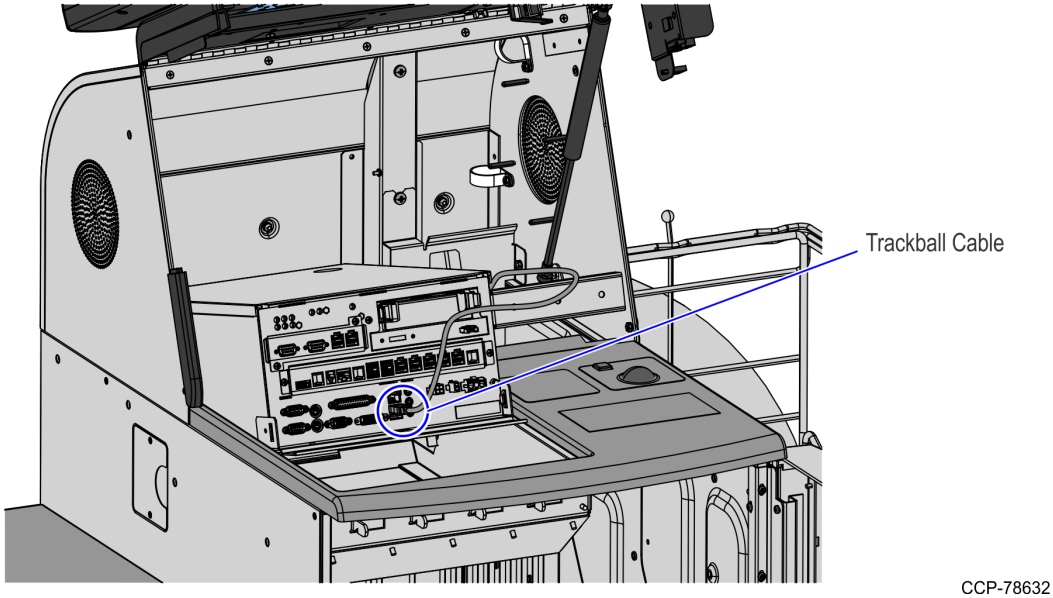
9. Depending on the SelfServ Checkout unit, route the Trackball cable up and over to the I/O Box or the E-Box.

Note: Secure the cable using cable ties as shown in the image above. Ensure that there is enough cable slack to avoid cables from being stretched during installation or removal procedures.

7350 R6 Lite Unit (I/O Box Cable Connection)



7350 Unit (E-Box Cable Connection)



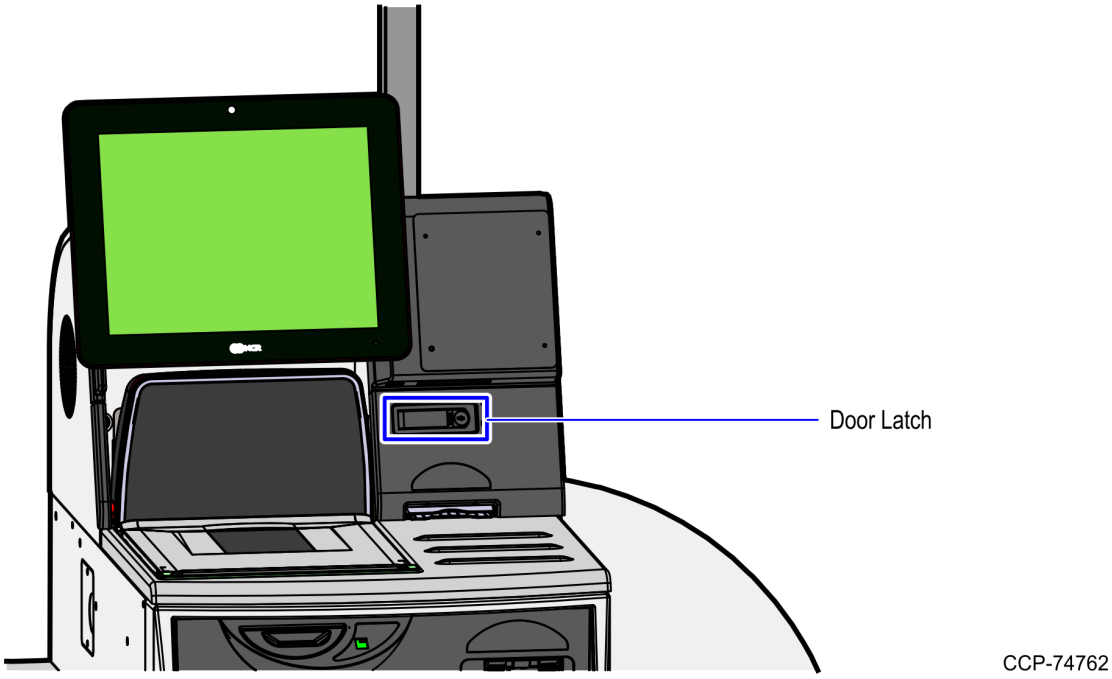
10. Install the Scanner/Scale. For more information, refer to *Installing the Scanner/Scale* on page 20.
11. Turn on the SelfServ Checkout unit. Verify that the Trackball and button work in the SelfServ Checkout application.

Opening the Upper Cabinet Door

To open the Upper Cabinet Door, follow these steps:

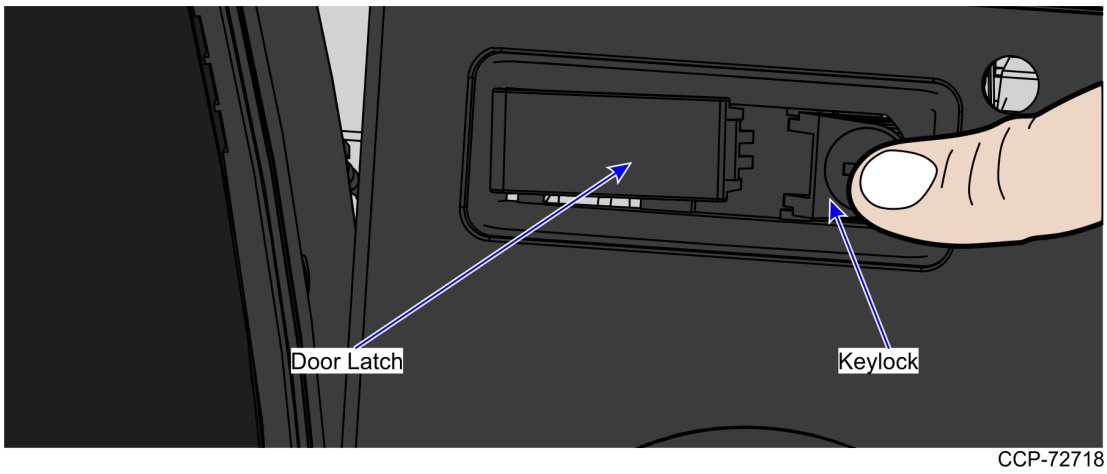
Note: For the purpose of illustration only, this procedure shows images using an NCR SelfServ™ Checkout (7350) R6 Lite unit. An NCR SelfServ™ Checkout (7350) R6 Lite unit uses RealScan 79e Scanner/Scale while an NCR SelfServ™ Checkout (7350) uses RealScan 78 Scanner/Scale.

1. Insert key into lock on door latch and turn key counterclockwise.



2. Remove key and then press the keylock to unlatch the door.

Caution: Ensure that the door is pushed down while lock is pressed because the door will automatically open.



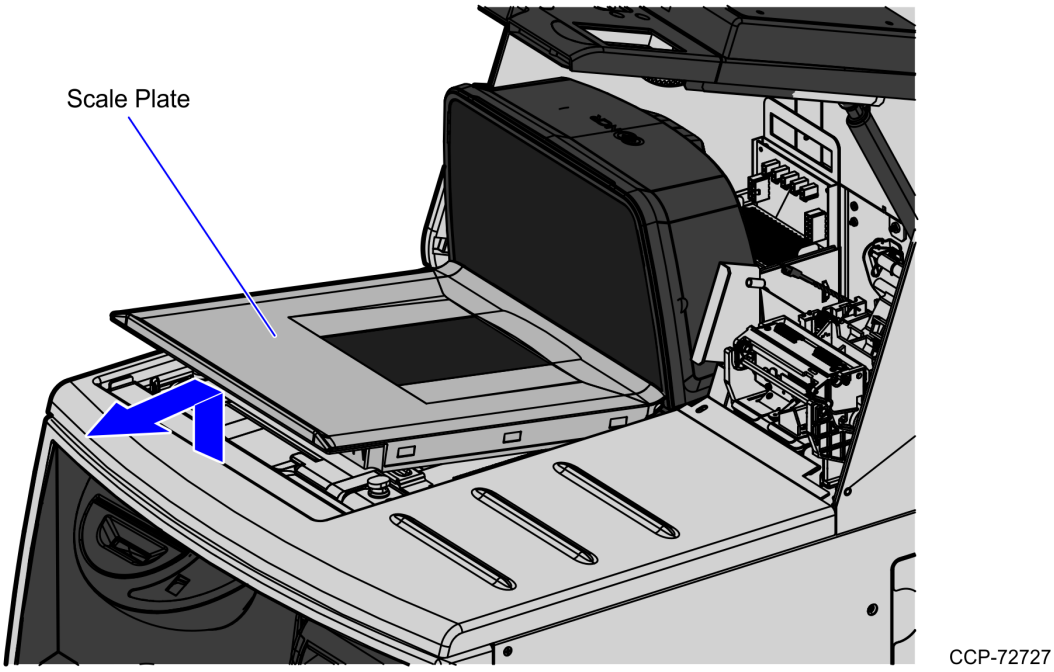
3. Lift the door open.

Removing the Scanner/Scale

To remove the Scanner/Scale, follow these steps:

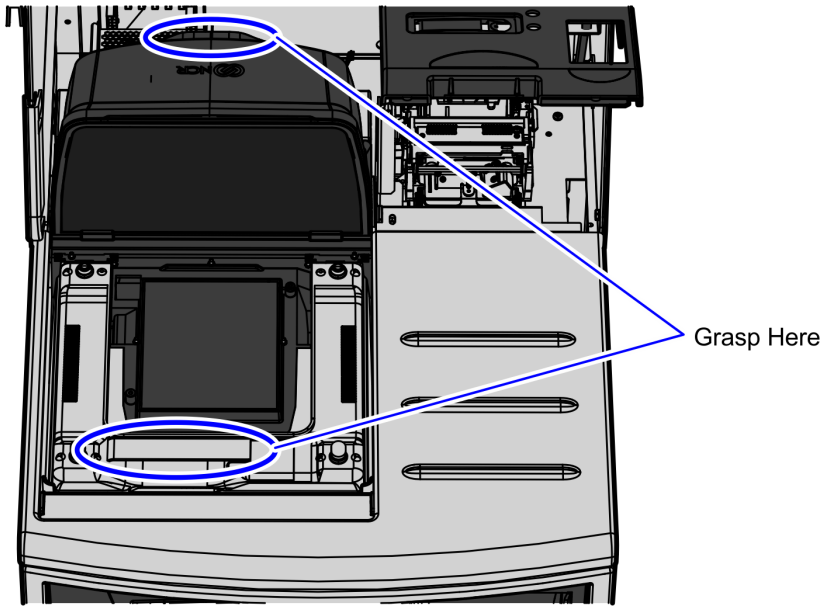
Note: For the purpose of illustration only, this procedure shows images using an NCR SelfServ™ Checkout (7350) R6 Lite unit. An NCR SelfServ™ Checkout (7350) R6 Lite unit uses RealScan 79e Scanner/Scale while an NCR SelfServ™ Checkout (7350) uses RealScan 78 Scanner/Scale.

1. Remove the Scale Plate.



2. Grasp the front of the Scanner and lift up.

3. Grasp the back of the Scanner and slide scanner out of bucket area.



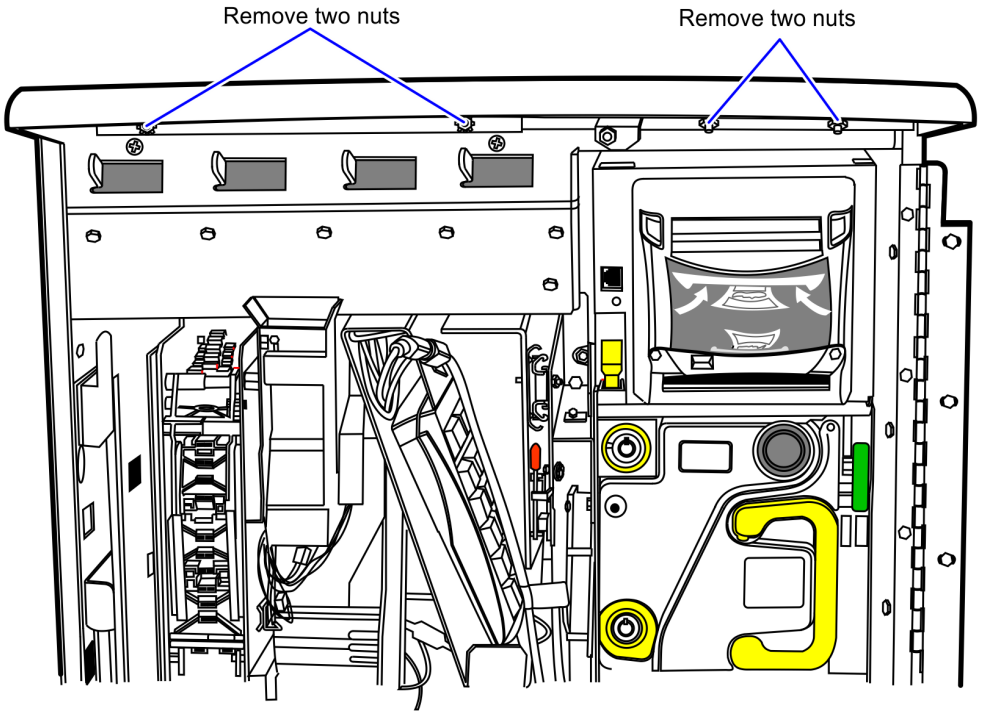
4. Disconnect the Interface/Power Cable from the USB connector on the Scanner.

Note: If the Scanner/Scale comes with Sensormatic® features, remove power from the Sensormatic® Controller before removing the Sensormatic® Interface cable and then apply power to the Sensormatic® Controller after reconnecting all Sensormatic® cables.

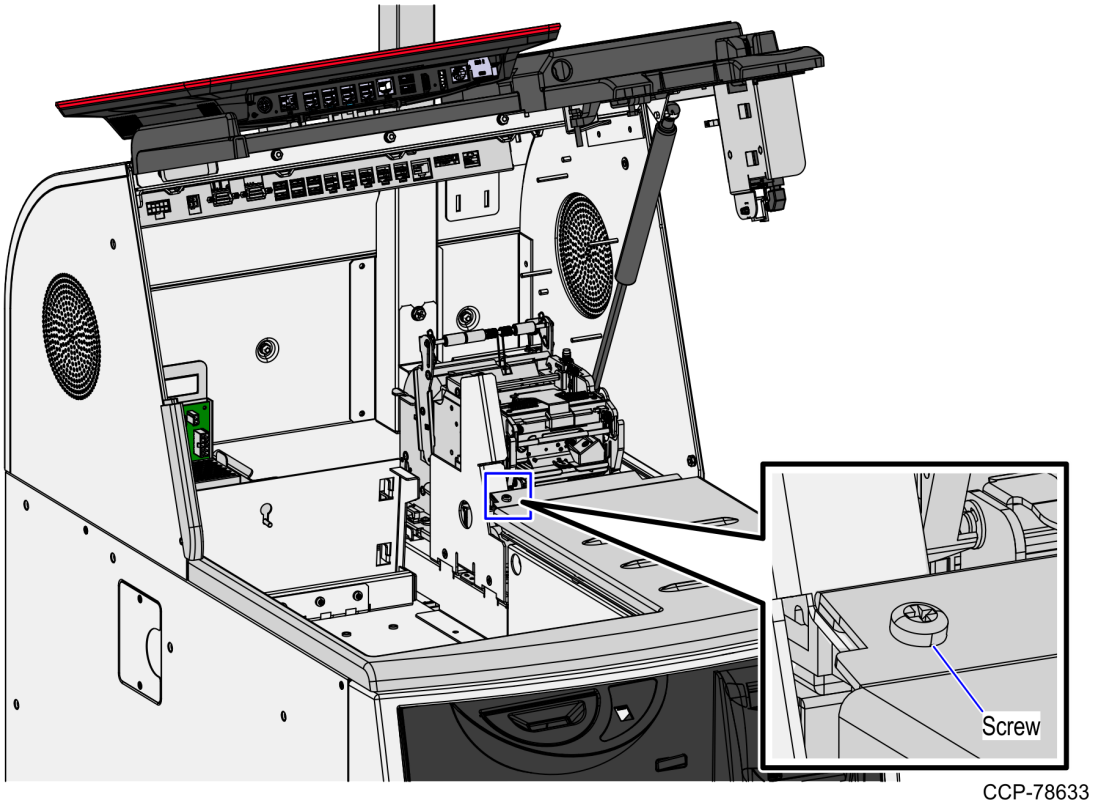
Removing Top Plate

To remove the Top Plate, follow these steps:

1. Unlock and open the Security Door.
2. Unscrew the four (4) nuts securing the top plate to the SelfServ Checkout core.



3. Depending on the SelfServ Checkout unit, verify if there is a screw on the Top Plate next to the printer. Remove the screw, as shown in the image below.



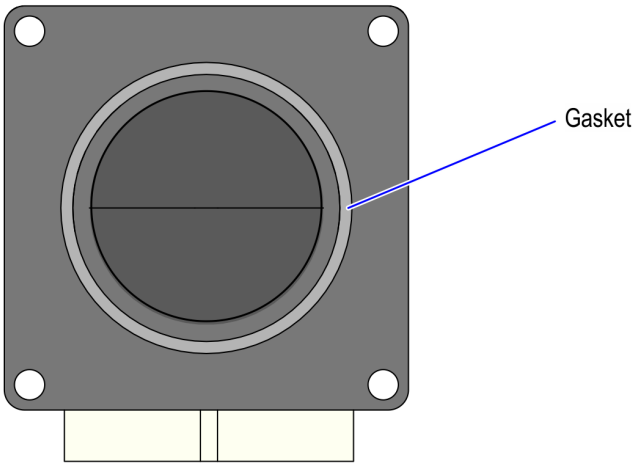
4. Grasp and pull the top cover to disengage the clips.
5. Lift the top plate from the unit.

Assembling Trackball

To assemble the Trackball device, follow these steps:

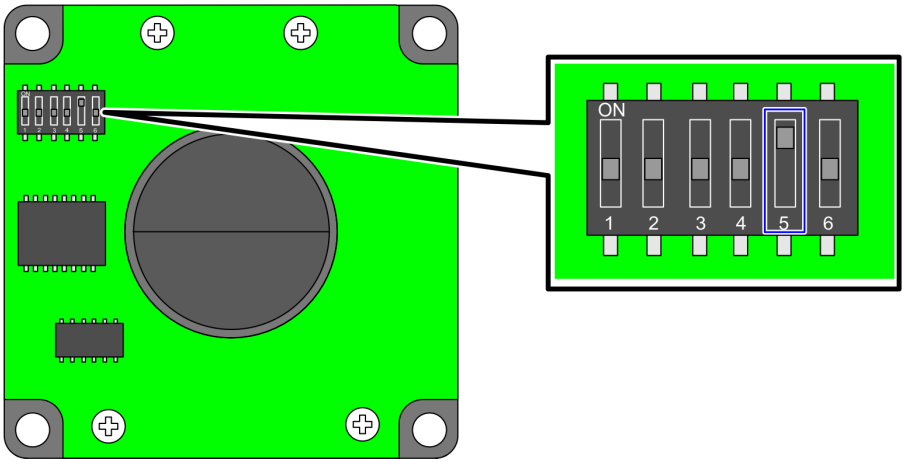
1. Place the Trackball gasket on top of the device, as shown in the image below.

Note: The Trackball gasket is located between the packing foam and top of the Trackball box.



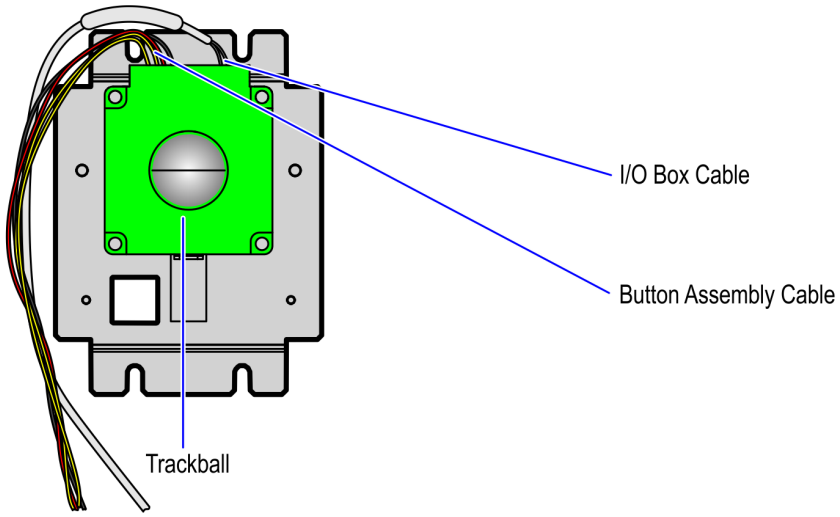
CCP-78007

2. Verify if there is a Switch Position at the back of the Trackball device. If there is a Switch Position, change the setting orientation of the Trackball by switching Switch Position 5 from OFF to ON, as shown in the image below.

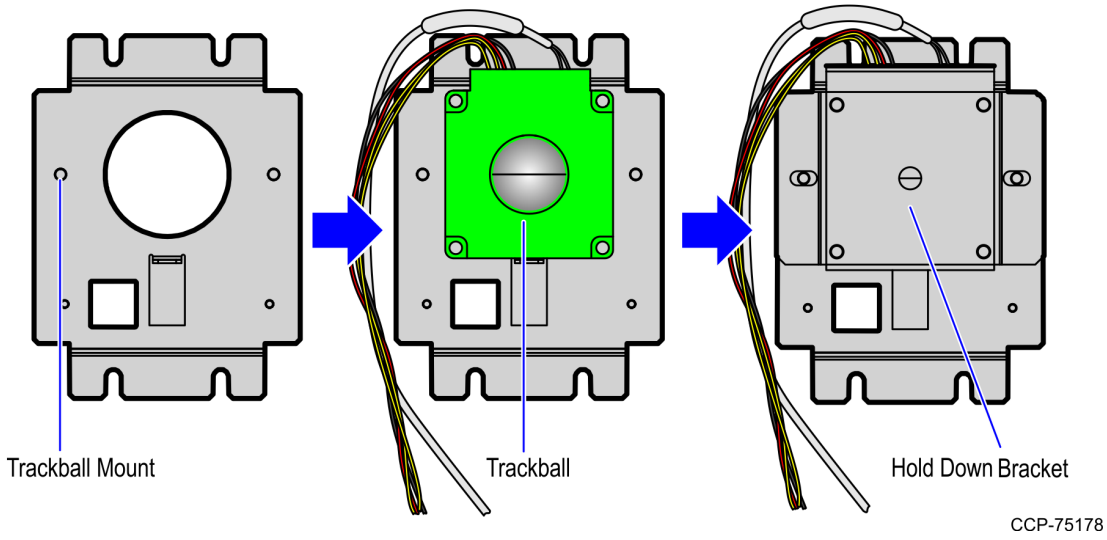


CCP-78602

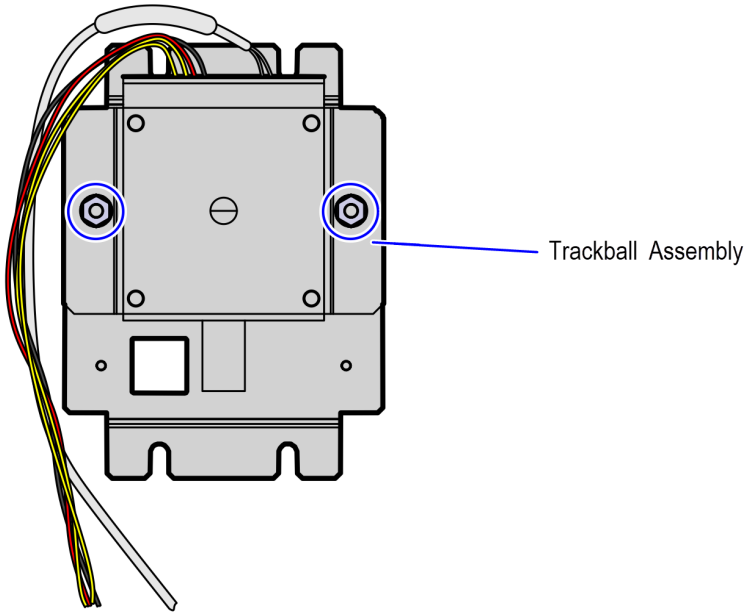
3. Connect the Button Assembly and I/O Box/E-Box cables to the Trackball, as shown in the image below.



4. Place the Trackball device over the Trackball mount and place the Hold Down Bracket over the Trackball, as shown in the image below.



5. Secure the Hold Down Bracket over the Trackball using two (2) nuts.

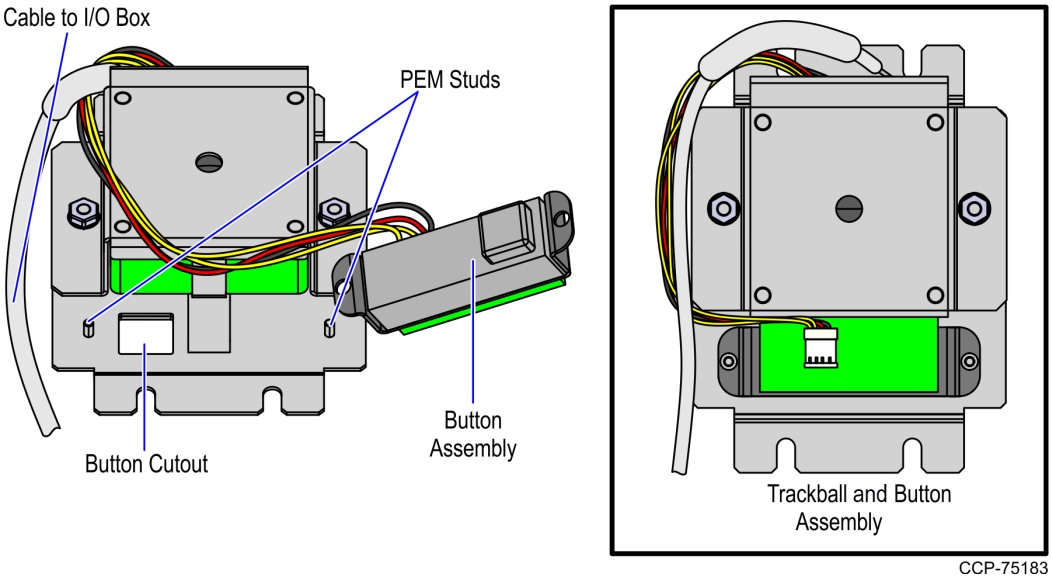


CCP-75182

6. Do the following:

   a. Place the Button assembly over two PEM studs on the Trackball Assembly.

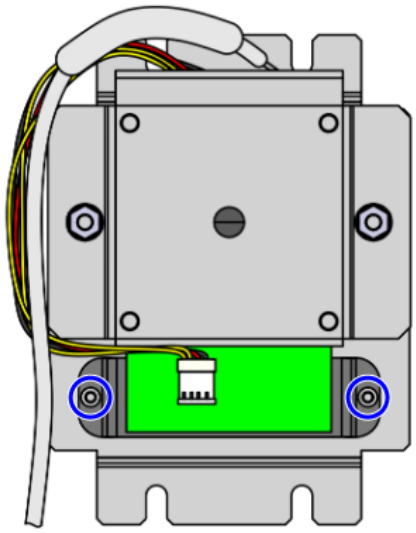
Note: Ensure that the cable going to the I/O Box or E-Box is on the opposite side of the square button cutout as shown in the image below.



CCP-75183

b. Secure the Button assembly to the Trackball Assembly using two (2) nuts.

Note: Ensure that the cable connection between the Trackball assembly to the Button assembly is secure.



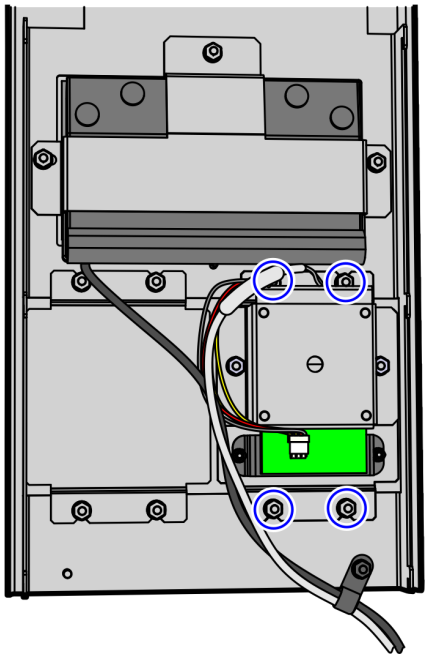
Trackball and Button Assembly

CCP-78008

Installing Trackball Assembly

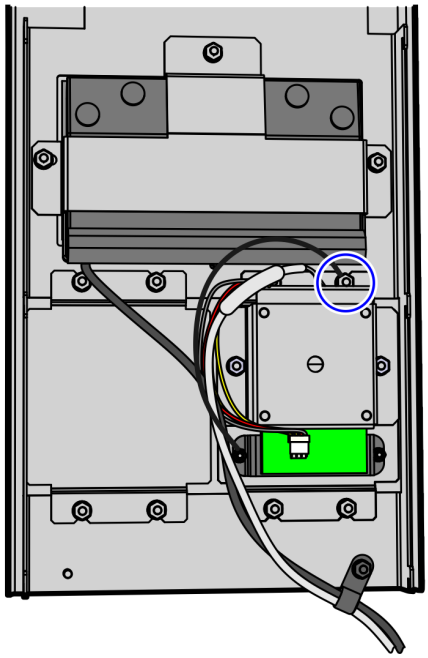
To install the Trackball Assembly, follow these steps:

1. Assemble the Trackball device. For more information, refer to *Assembling Trackball* on page 12.
2. Secure the Trackball and Button Assembly to the Top Plate using four (4) nuts.



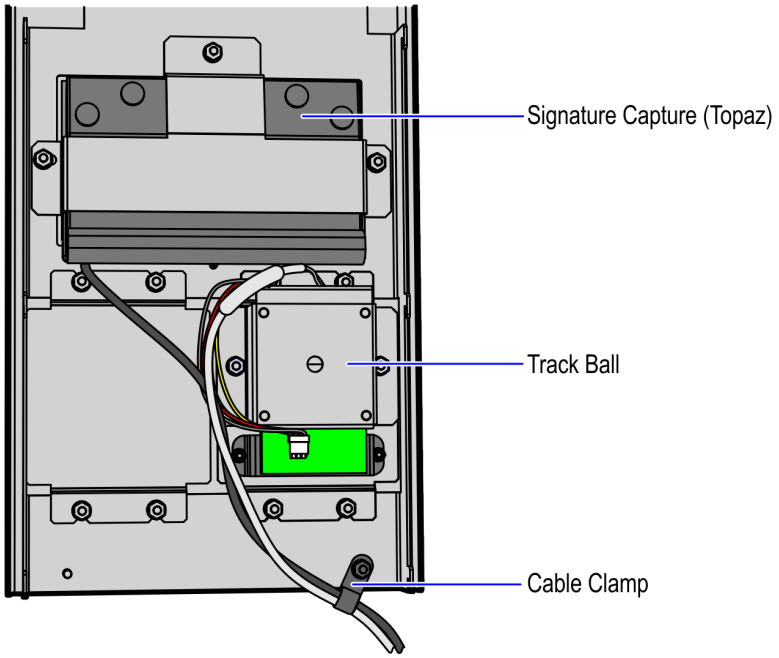
CCP-75176

3. Attach the grounding lug (black wire) from USB cable to one of the rear most studs where the Trackball and Button Assembly is mounted, as shown in the image below.



CCP-78603

4. Route the cable to the bottom of the Top Plate using a small cable clamp and secure to the stud using one (1) nut as shown in the image below.

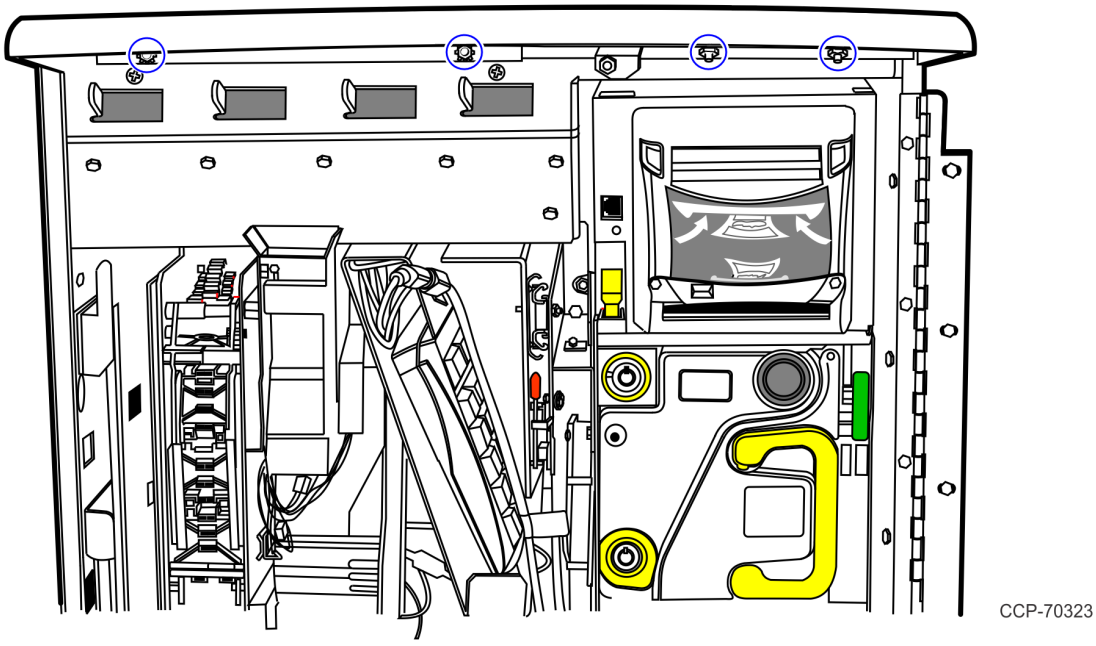


CCP-75186

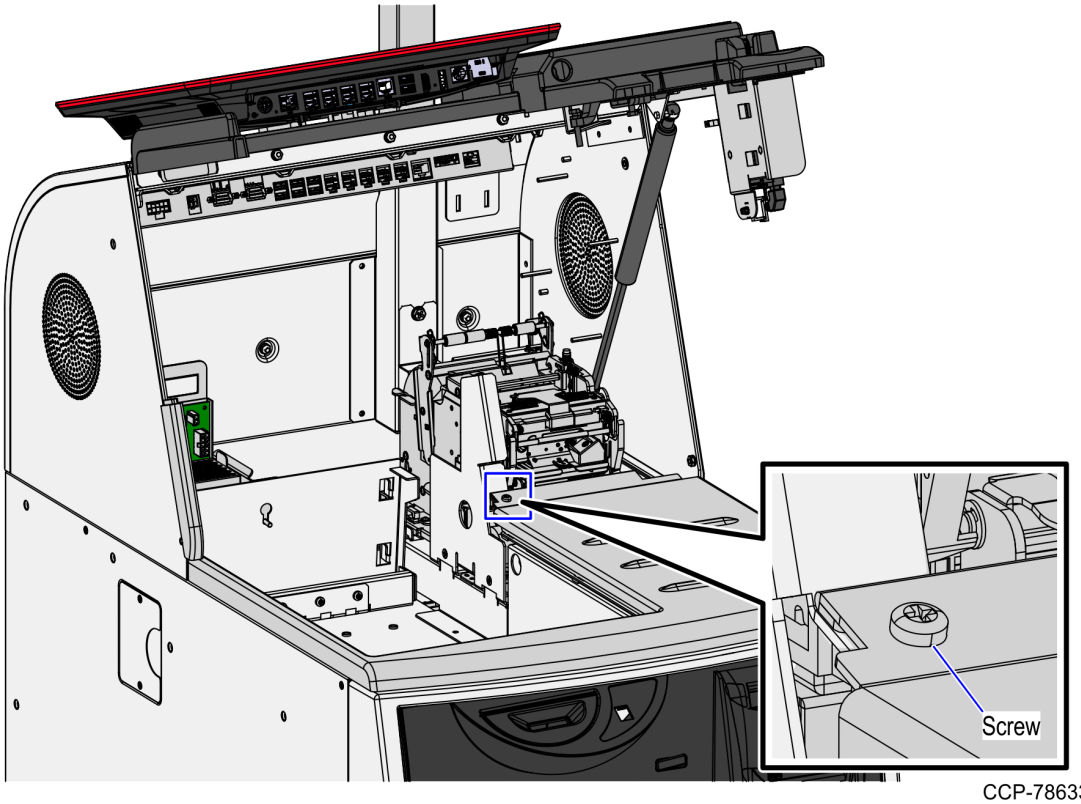
Installing Top Plate

To install the Top Plate, follow these steps:

1. Mount and secure the Top Plate to core using four (4) nuts, as shown in the image below.



2. Depending on the SelfServ Checkout, secure the Top Plate in place using a screw, as shown in the image below.



3. Close and lock the Security Door.

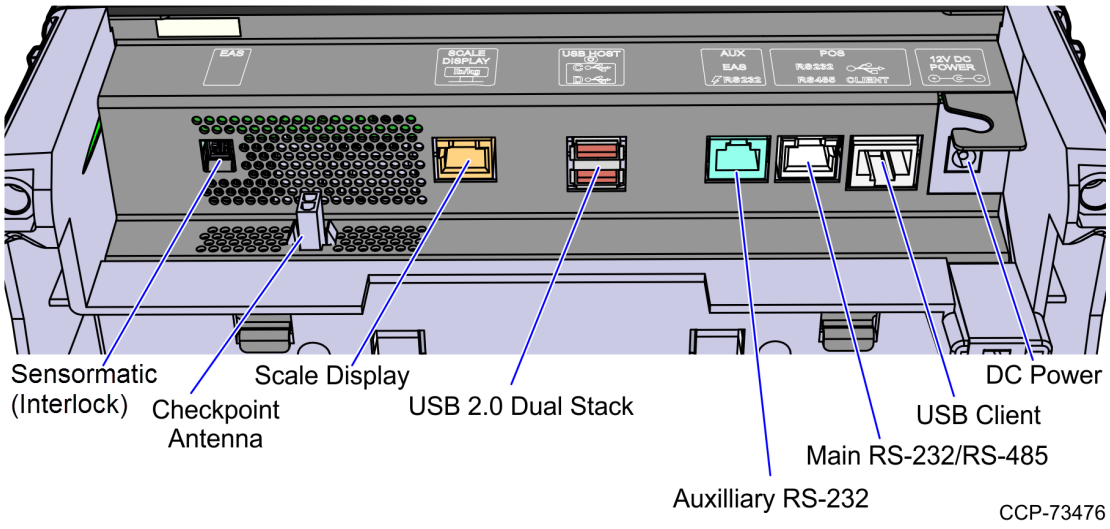
Installing the Scanner/Scale

To install the Scanner/Scale, follow these steps:

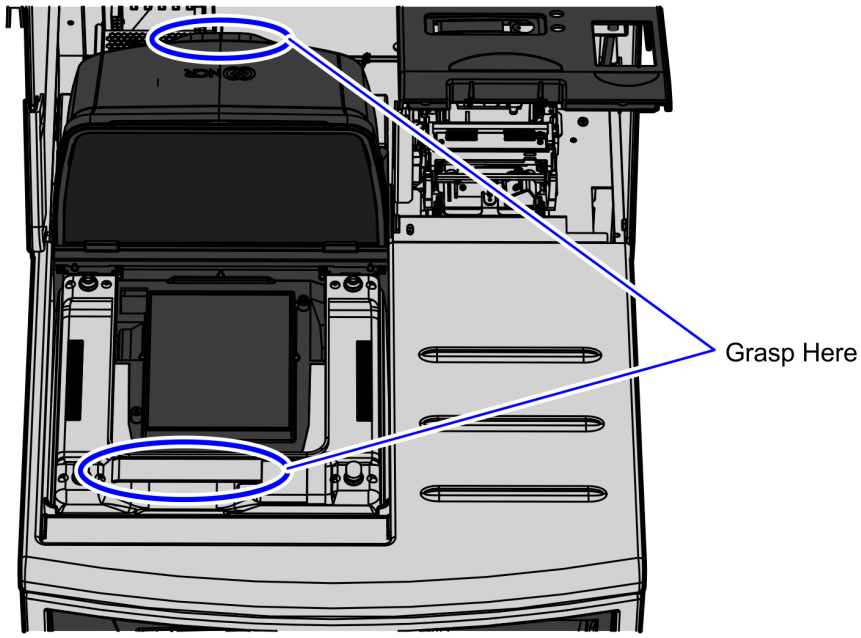
Note: For the purpose of illustration only, this procedure shows images using an NCR SelfServ™ Checkout (7350) R6 Lite unit. An NCR SelfServ™ Checkout (7350) R6 Lite unit uses RealScan 79e Scanner/Scale while an NCR SelfServ™ Checkout (7350) uses RealScan 78 Scanner/Scale. For more information on installing RealScan 78 Scanner/Scale, refer to

1. Connect the scanner cable to the "USB Client" port.

Note: To streamline the installation procedure, install the Sensormatic® components before installing the Scanner/Scale in the SelfServ Checkout unit.



2. Place the Scanner/Scale on the scanner bucket.



3. Lower the Scale Plate.
4. Close the Upper Cabinet Door.

Note: The Scanner/Scale must be calibrated before the system goes live. For more information, refer to *NCR SelfServ™ Checkout (7350) Hardware Service Guide (B005-0000-1827)*.