



# Kit Instructions

## Bagwell Expansion



7371-K003

Issue A

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# Revision Record

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Issue	Date	Remarks
A	Oct 2023	First issue.

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# Bagwell Expansion

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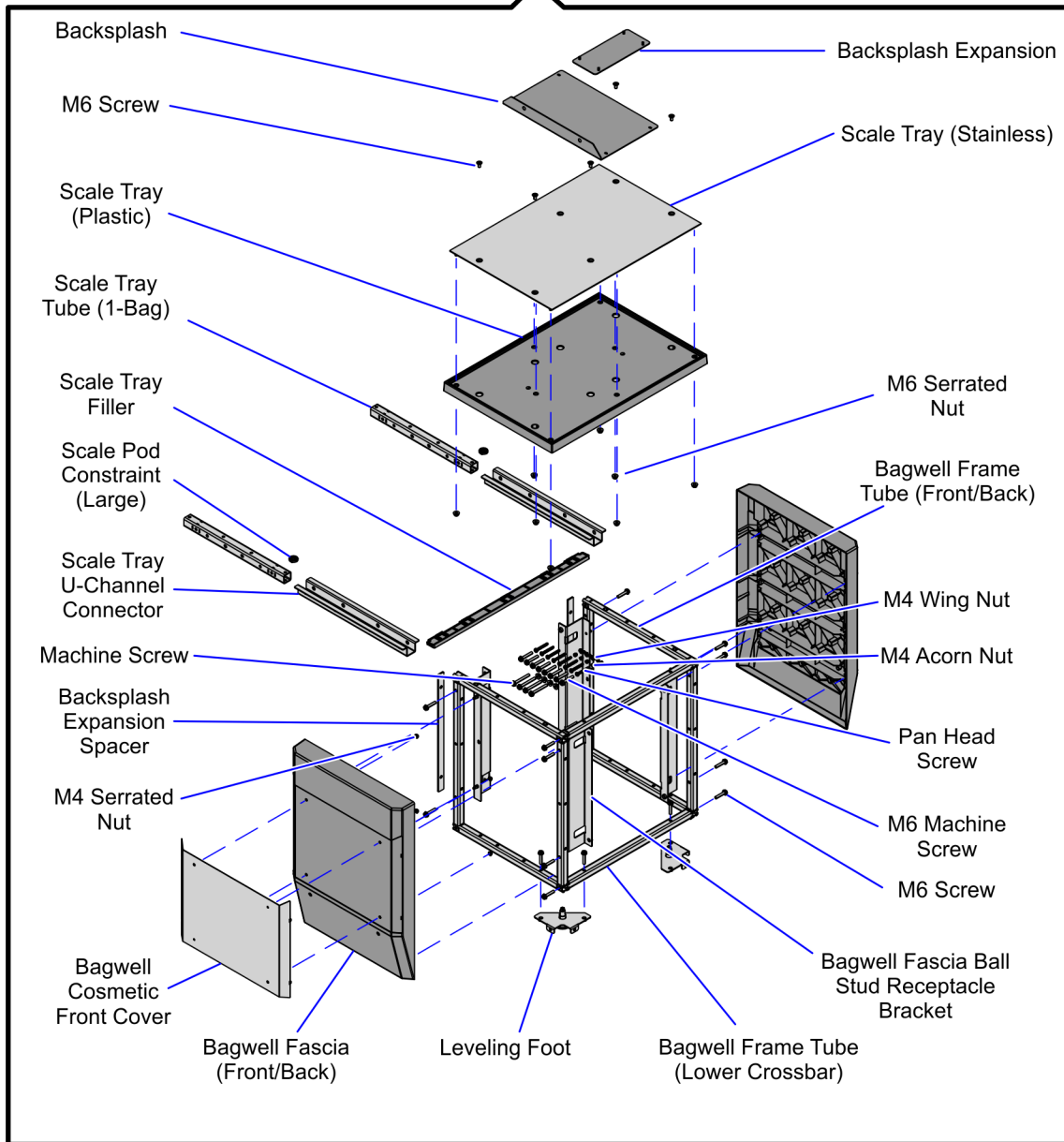
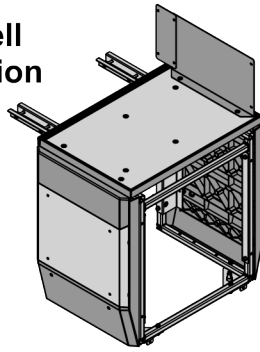
This publication provides procedures for installing the 7371-K003 Bagwell Expansion to the following NCR Self-Checkout units with an existing Bagwell:

- NCR Self-Checkout Hardware (7371)
- NCR Self-Checkout Hardware (7372)








# Kit Contents

## Bagwell Expansion



CCP-82834

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Part	Part Number	Description
	497-0533874	7371-K003 Bagwell Expansion
	006-8624472	Acorn Nut – M4 X 0.7Mm, 7Mm Width, 8Mm Height - Black Oxide Finish (4 Pcs)
	006-8628641	Metric Screw Machine – Hex Head – M6 X 50 mm (12 Pcs)
	006-8628550	Screw - Torx Pan Head Thread-Forming, #10 X 1.5" Long (8 Pcs)
	006-8628595	Metric Screw Machine – Hex Head – M6 X 30 mm (16 Pcs)
	007-7022141	Screw Ma Flat Poz M6 (6 Pcs)
	009-0007087	Serrated Nut-Self Locking (Hex,M4,4.2) (4 Pcs)
	009-0007088	Serrated Nut-Self Locking (Hex,M6,6.0) (12 Pcs)
	497-0532697	Bagwell, Scale Tray, Plastic
	497-0532704	Bagwell, Scale Tray, Stainless
	497-0532709	Bagwell, Scale Tray, Filler
	497-0532756	Backsplash, Scale Tray, 1 Bag
	497-0534878	Bagwell, Expansion, Spacer (2 Pcs)
	497-0534672	Bagwell, Fascia, Ball Stud Receptacle Bracket (4 Pcs)
	497-0533643	Backsplash, Expansion

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Part	Part Number	Description
	497-0533942	Scale Pod Constraint, Large (2 Pcs)
	497-0534373	Scale Tray Tube, 1-Bag (2 Pcs)
	497-0534146	Scale Tray, U-Channel Connector-2 (2 Pcs)
	497-0534668	Bagwell, Frame, Tube, Front/Back (2 Pcs)
	497-0534218	Bagwell, Frame, Tube, Cross Bar, Lower (2 Pcs)
	497-0534266	Bagwell, Fascia, Front/Back (2 Pcs)
	497-0534302	Bagwell, Gusset, Leveling Foot (2 Pcs)
	795-0297535	Front Cover, Cosmetic, Bagwell (Mid-Impact Silver)
	497-0534482	Hole Cover Label - Impact Black (Blk7)
	006-8626376	Wing Nut - M4X0.7Mm - Zinc-Plated Steel (4 Pcs)
	006-8628706	Zinc-Plated Steel Split Lock Washer - M6 (28 Pcs)
*	497-0423108	Instructions Kit (Reference Sheet)

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

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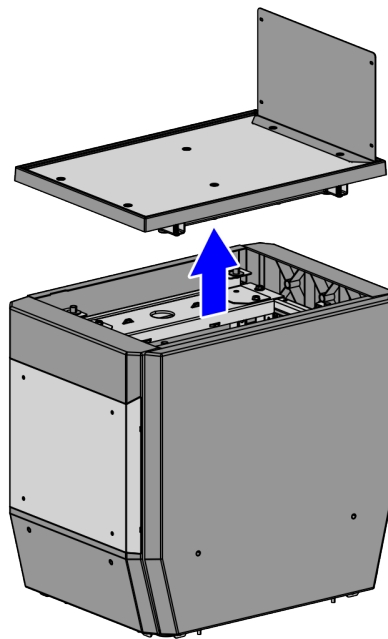
# Installation Procedures

To install the 7371-K003 Bagwell Expansion kit, follow these steps:

1. Turn off the NCR Self-Checkout software and hardware systems.
2. Lift and remove the Scale Tray from the Bagwell.

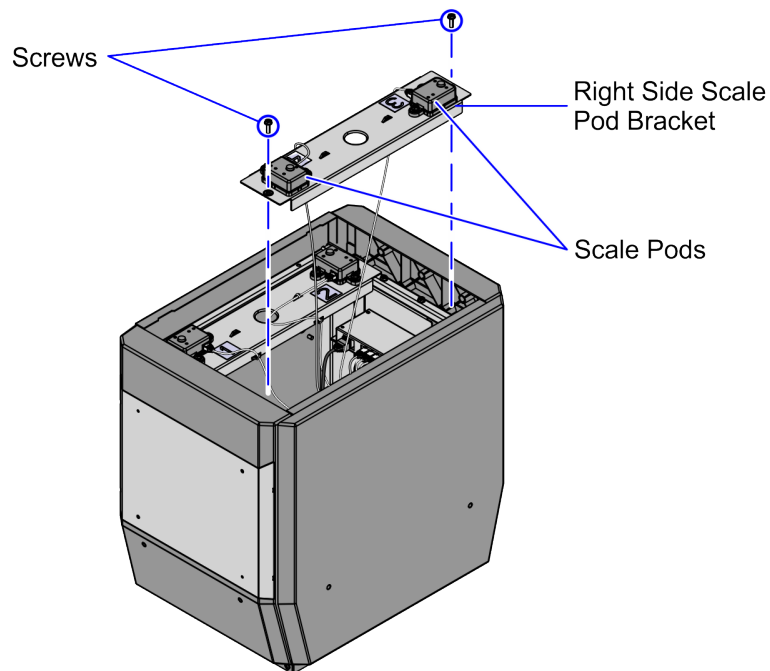
**i Note**

The image below shows a Scale Tray with Backsplash. A Scale Tray may also have a Backsplash and Bagwell Fence.



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3. Remove two (2) screws to detach the Scale Pod Bracket, as shown in the image below.



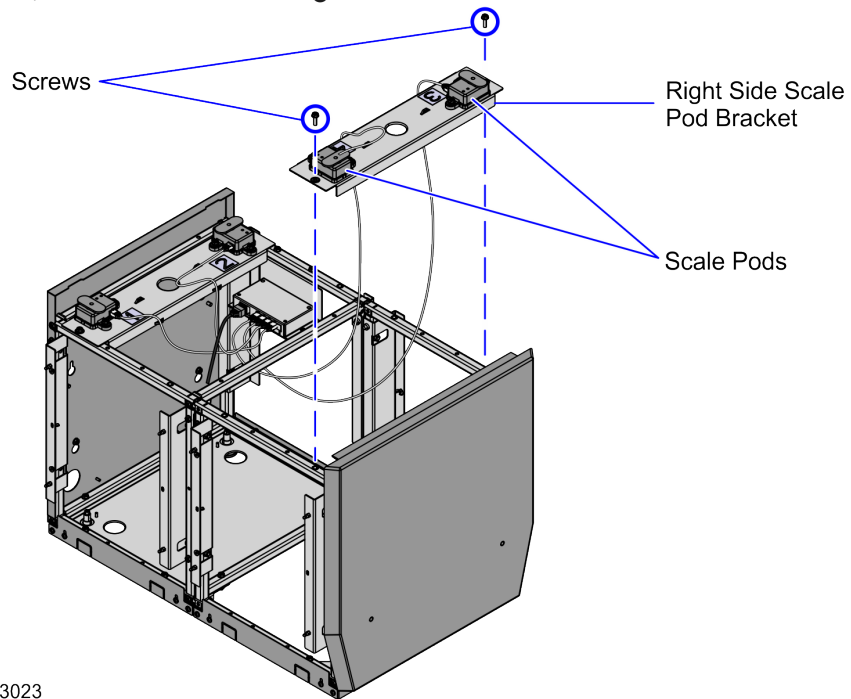
CCP-82908

4. Remove the Bagwell Panels. For more information, refer to the following procedures:
  - a. [Removing the Bagwell Panels \(Front and Back\)](#)
  - b. [Removing the Bagwell Panel \(Fascia End\)](#)
5. Attach the Bagwell Expansion to the existing Bagwell Frame. For more information, refer to [Installing the Bagwell Expansion Frame](#).
6. Install the Bagwell Panel (Fascia End). For more information, refer to [Installing the Bagwell Panel \(Fascia End\)](#).

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7. Install the Scale Pod Bracket for Scale Pods 3 and 4 by doing the following:
  - a. Pass the Scale Pod Bracket under the crossbar of the Bagwell Frames.
  - b. Attach the Scale Pod Bracket to the Expansion Bagwell Frame using two (2) screws, as shown in the image below.



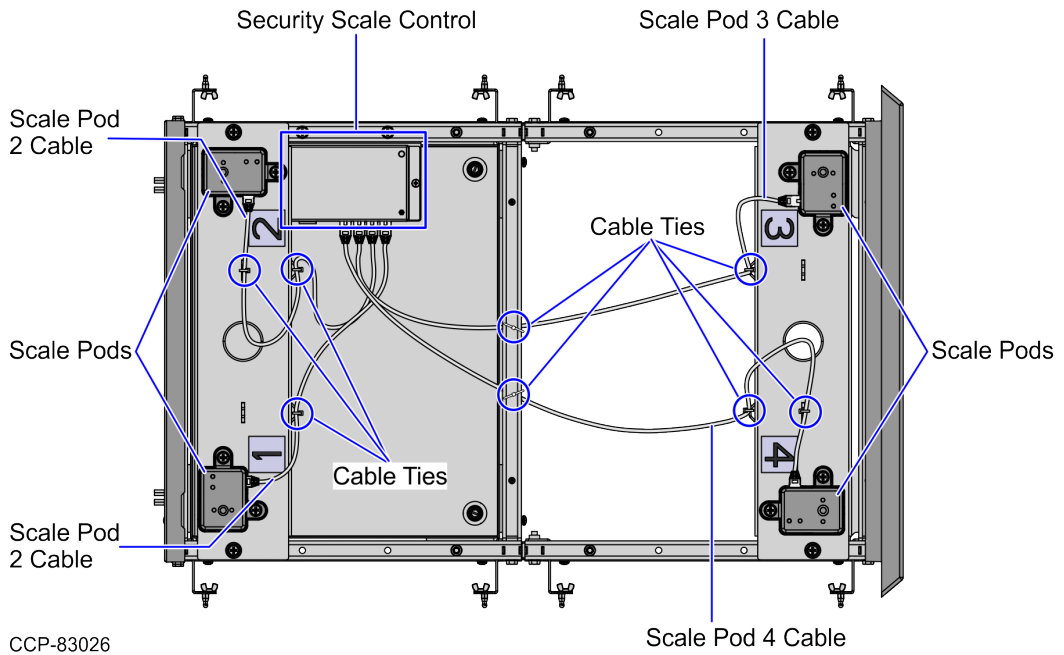
CCP-83023

- c. Attach the cables to the crossbar of the Bagwell Frames and lance bridges on the Scale Pods Bracket using cable ties, as shown in the image below.



**Note**

Ensure that there is enough cable slack to avoid cables from being stretched during installation or removal procedures.



8. Install the Bagwell Panel (Front and Back). For more information, refer to [Installing the Bagwell Panels \(Front and Back\)](#).
9. Remove the Scale Tray Fence and Backsplash from the existing Scale Tray. For more information [Removing Scale Tray Fence and Backsplash](#).



**Note**

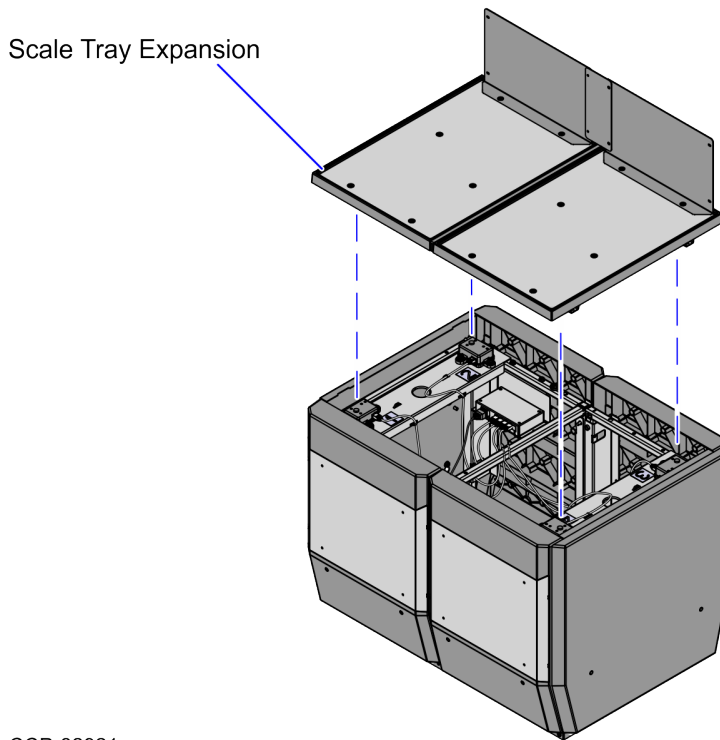
A Scale Tray may only have a Backsplash.

10. Assemble the Scale Tray Expansion. For more information, refer to [Setting up the Scale Tray Expansion](#).

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11. Place the Scale Tray Expansion on top of the Scale Pods in the Bagwell.



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12. Calibrate the Security Scale. For more information, refer to [Calibrating the Security Scale](#).

**i Note**

A Zero-Scale Calibration or Soft Calibration should be performed any time the hardware infrastructure of the Security Scale Tray is changed. Use the Profile Manager Lite (PML) application to perform this procedure if screws were tightened, Scale Pods or the Security Scale Controller were replaced, the bagging platform changed, or a Bagwell Fence is added.



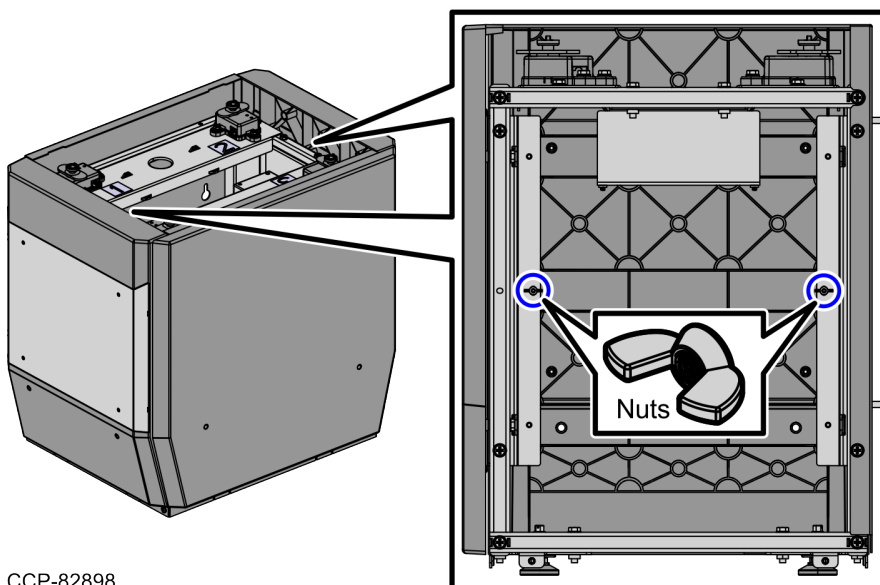
## Removing the Bagwell Panels (Front and Back)

To remove the Front and Back panels from the Bagwell Frame, follow these steps:

**i Note**  
This procedure uses images of the Bagwell only for reference.

1. Remove four (4) wing nuts from inside the Bagwell to detach the Front and Back Panels, as shown in the image below. Each panel have two (2) wing nuts.

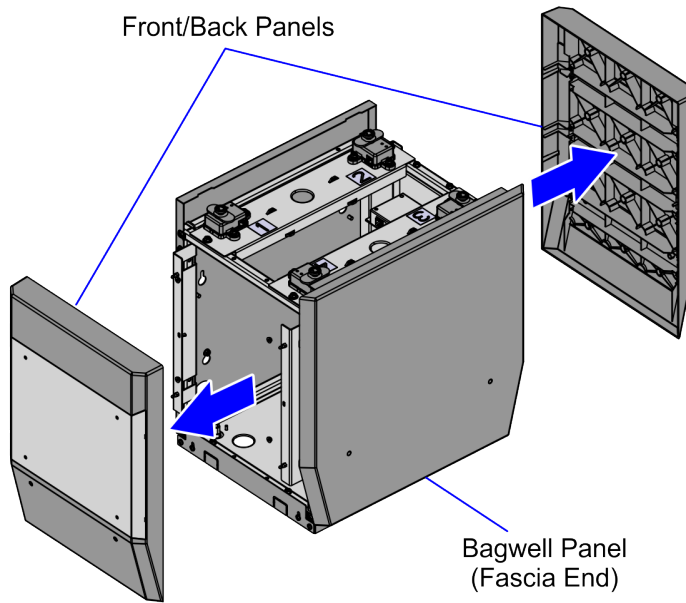
**i Note**  
The Front and Back Panels of the Bagwell must be removed before the Fascia End Panel.



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2. Pull to unclip the Front and Back Panels from the Bagwell Frame.



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## Removing the Bagwell Panel (Fascia End)

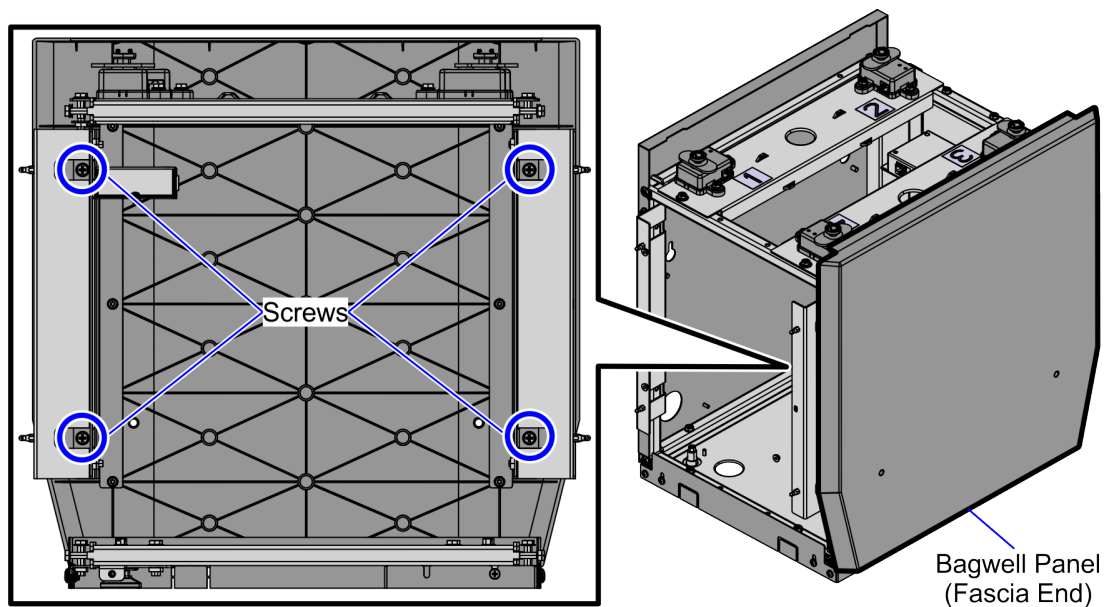
To remove the Fascia End Panel from the Bagwell Frame, follow these steps:

**i Note**  
This procedure uses images of the Bagwell only for reference.

1. Remove four (4) screws from inside the Bagwell to detach the Fascia End Panel, as shown in the image below.

**! Important**  
Use a 10 mm socket to remove these screws.

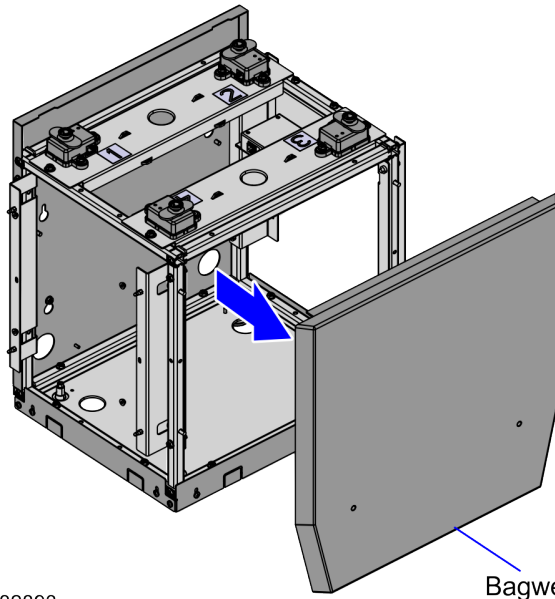
**i Note**  
The Fascia End Panel of the Bagwell must be removed after removing the Front and Back Panels of the Bagwell.



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2. Pull the Fascia End Panel from the Bagwell Frame.



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Bagwell Panel (Fascia End)

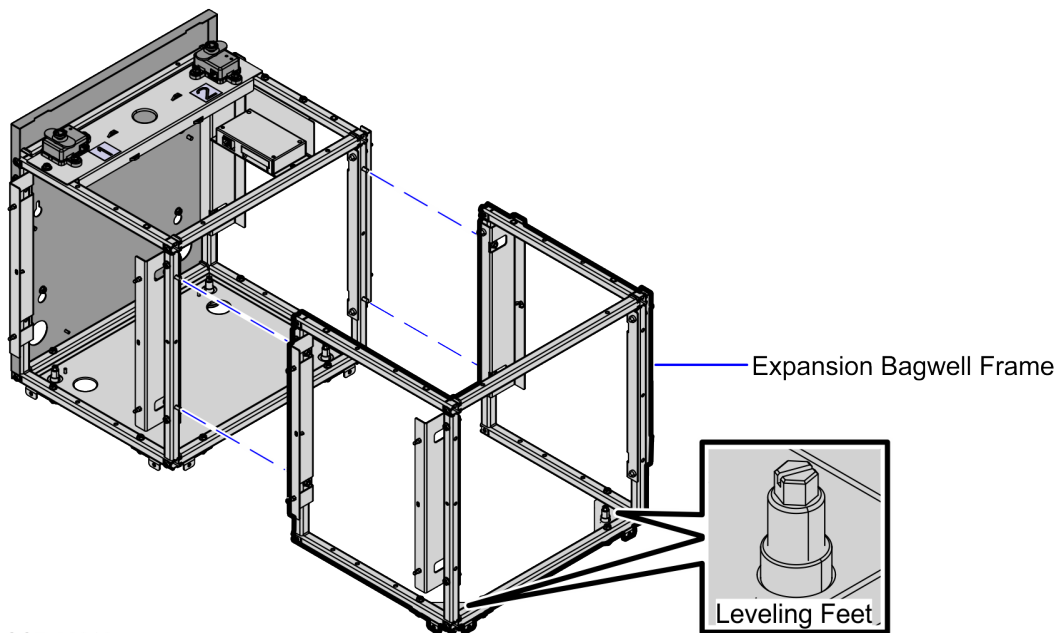
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# Installing the Bagwell Expansion Frame

To install the Bagwell Expansion Frame, follow these steps:

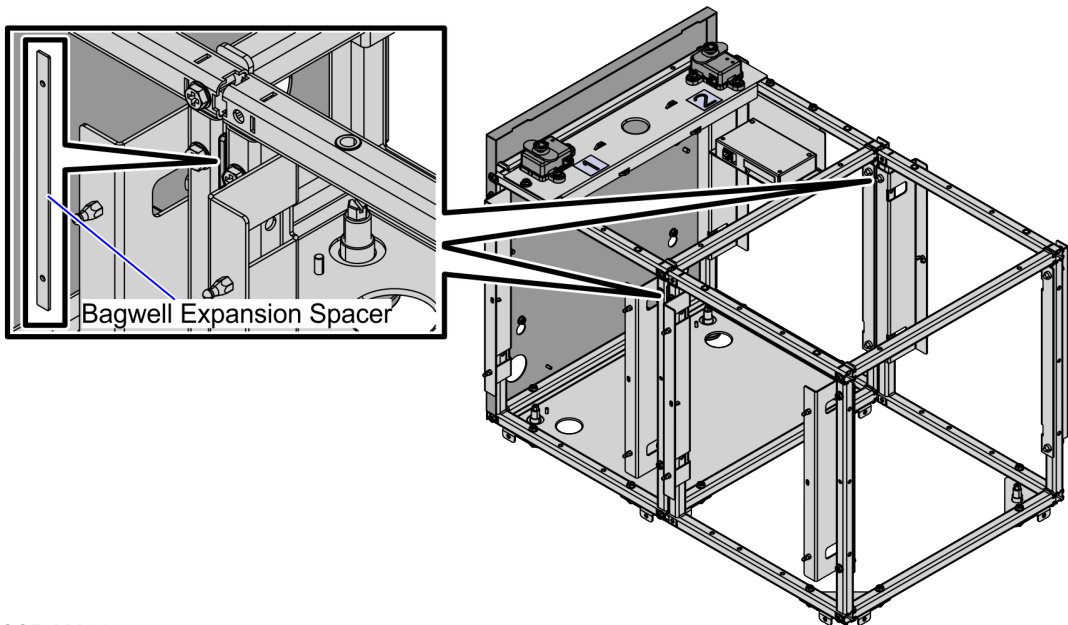
1. Remove the Front and Back Panels from the Bagwell Expansion Frame. For more information, refer to [Removing the Bagwell Panels \(Front and Back\)](#).
2. Align and connect the mounting holes of the existing Bagwell Frame and Bagwell Expansion Frame.

**Note**  
Adjust the Leveling Feet of the Bagwell Expansion Frame, as necessary.



CCP-82912

3. Insert the Bagwell Expansion Spacers between the Bagwell Frame junctions, as shown in the image below.

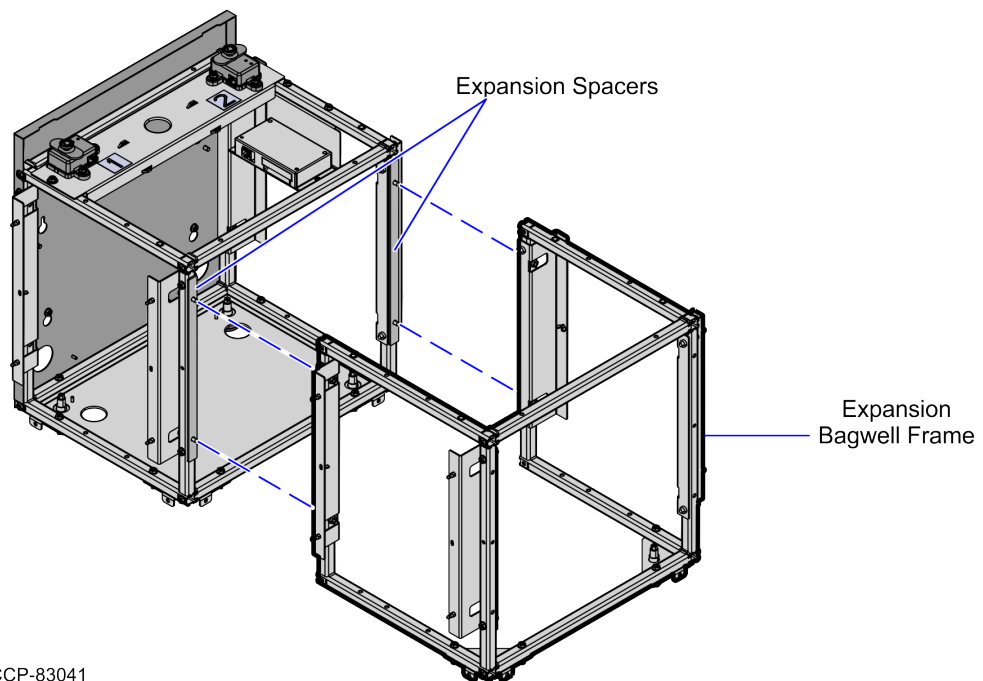


CCP-82914



### Example

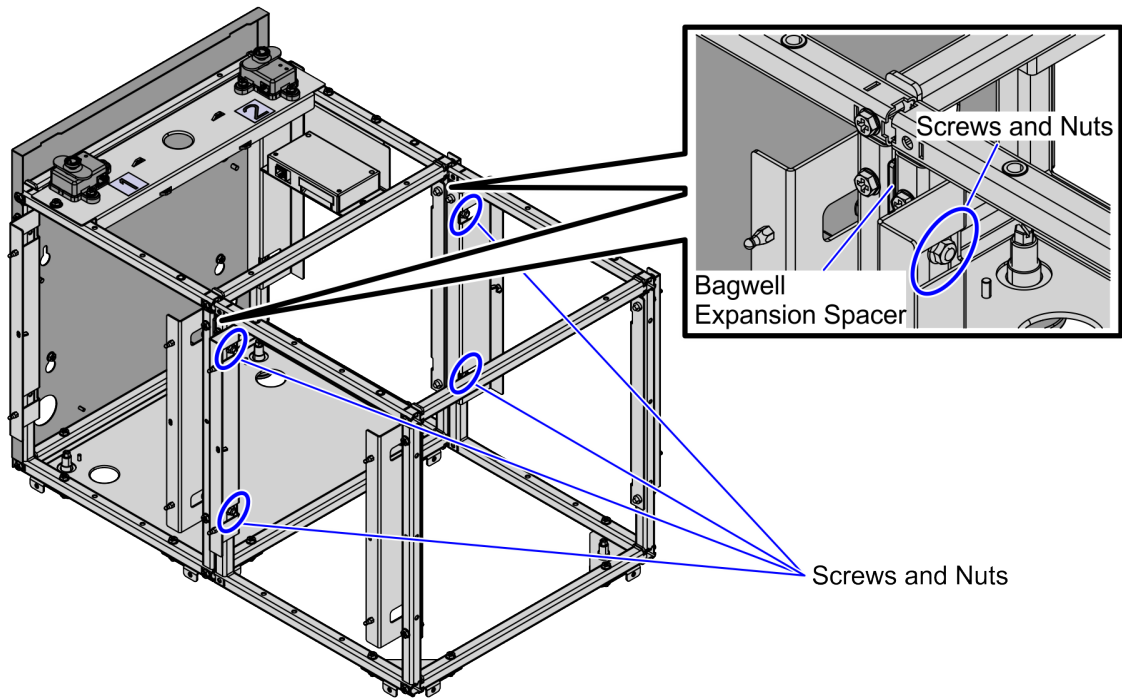
The image below shows the location of each Bagwell Expansion Spacer between the Bagwell Frame junctions for illustration only.



CCP-83041

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- Secure each Bagwell junction with the Spacers in between using four (4) screws and nuts, as shown in the image below.



CCP-82915

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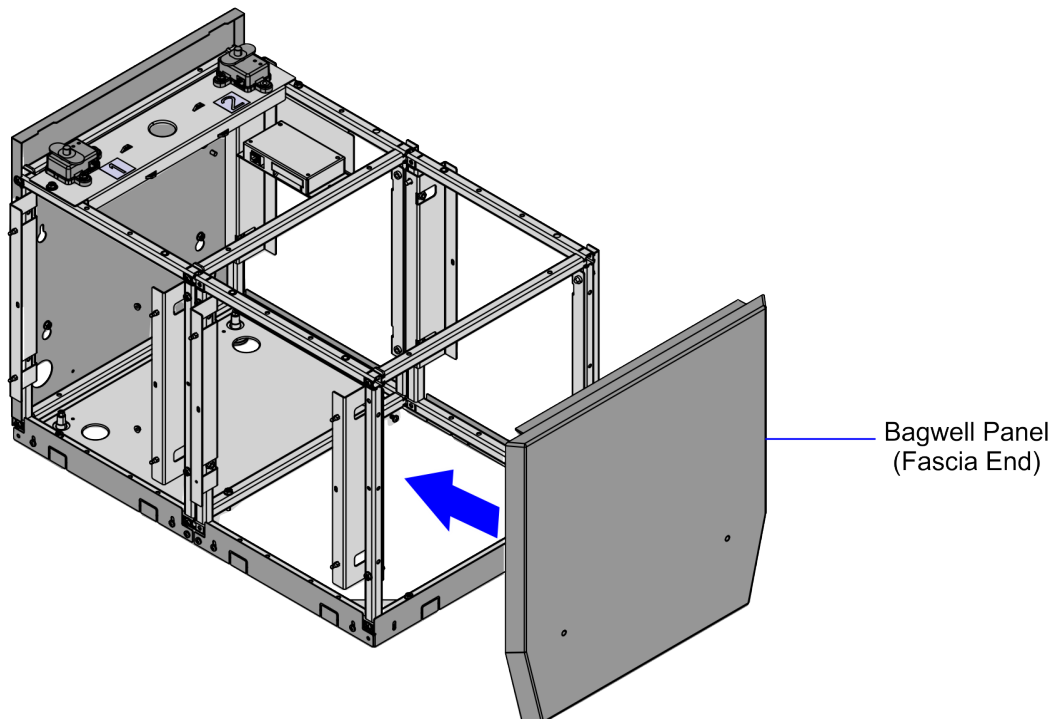
## Installing the Bagwell Panel (Fascia End)

To install the Fascia End Panel on the Bagwell Frame, follow these steps:

**i Note**  
This procedure uses images of the Bagwell only for reference.

1. Push the Fascia End Panel onto the Bagwell Frame.

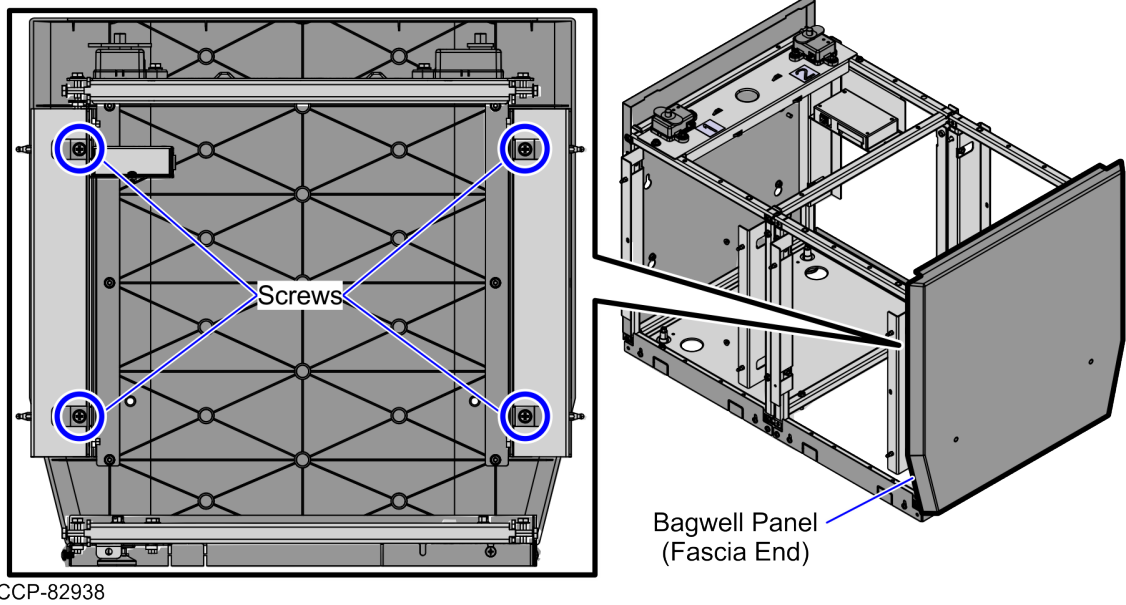
**i Note**  
The Fascia End Panel of the Bagwell must be installed before the Front and Back Panels of the Bagwell.



CCP-82937



2. Secure the Fascia End Panel to the Bagwell Frame using four (4) screws.



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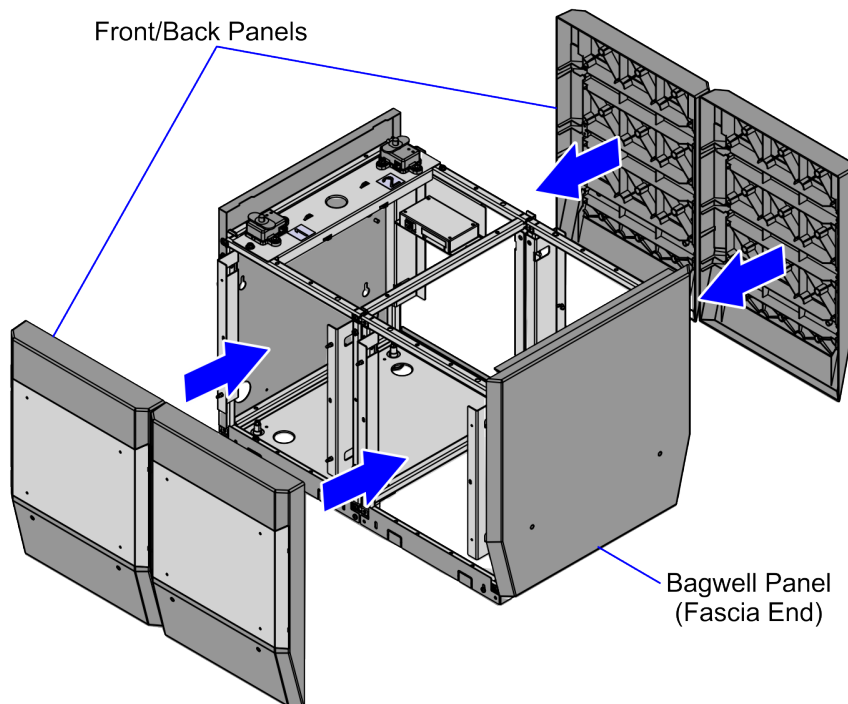
# Installing the Bagwell Panels (Front and Back)

To install the Front and Back panels to the Bagwell Frame, follow these steps:

**i Note**  
This procedure uses images of the Bagwell only for reference.

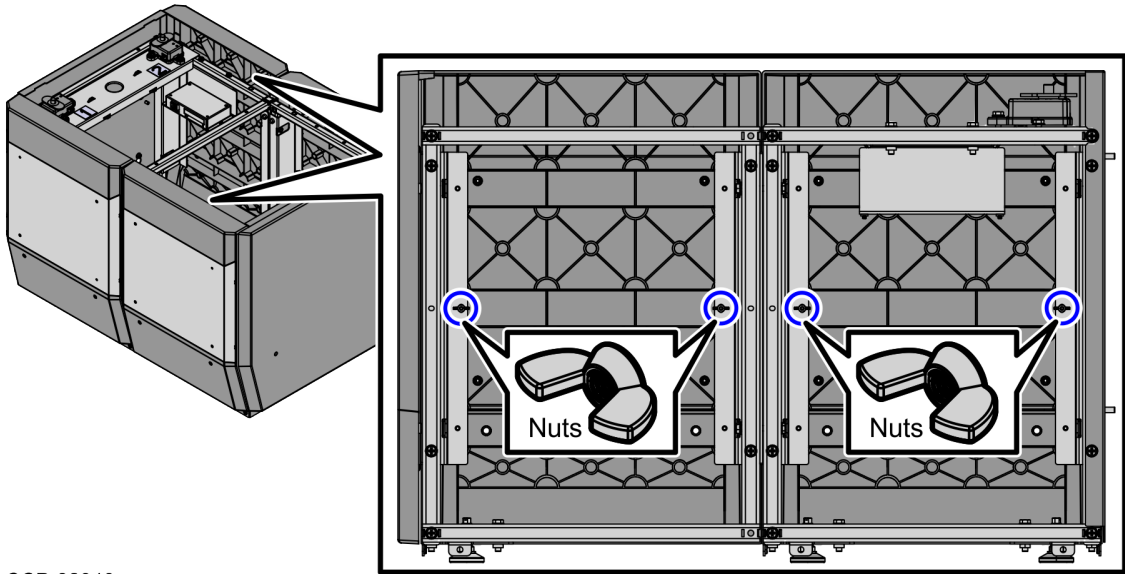
1. Push the Front Panel onto the Bagwell Frame until it clicks and locks into place.

**i Note**  
The Front and Back Panels of the Bagwell must be installed after the End Panel.



CCP-82939

- Secure each Panel to the Bagwell Frame using two (2) wing nuts from inside the Bagwell, as shown in the image below.



CCP-82940

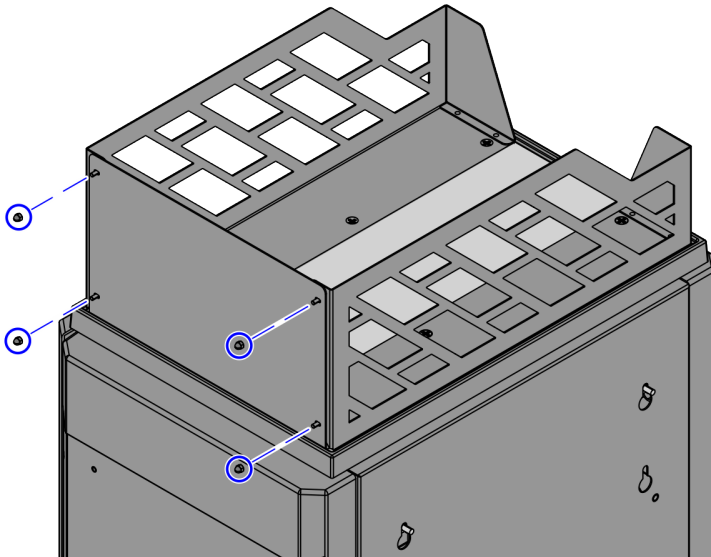
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# Removing Scale Tray Fence and Backsplash

To remove the with Fence and Backsplash from the Scale Tray, follow these steps:

**i Note**  
A Scale Tray may only have a Backsplash.

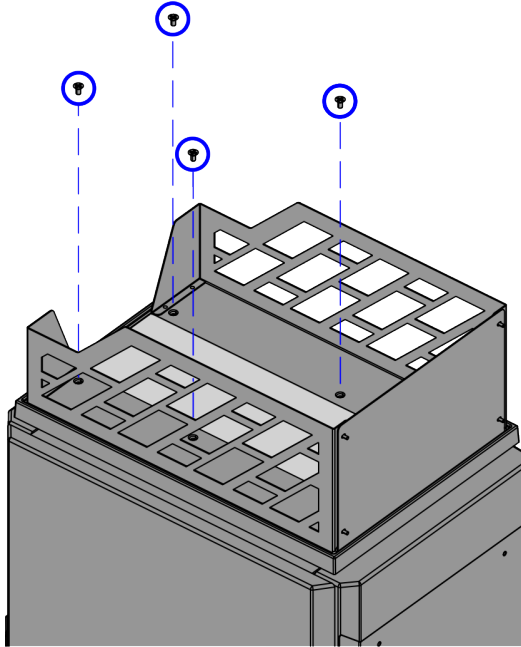
1. Remove two (2) nuts to detach each Fence from the Backsplash, as shown in the image below.



CCP-82881

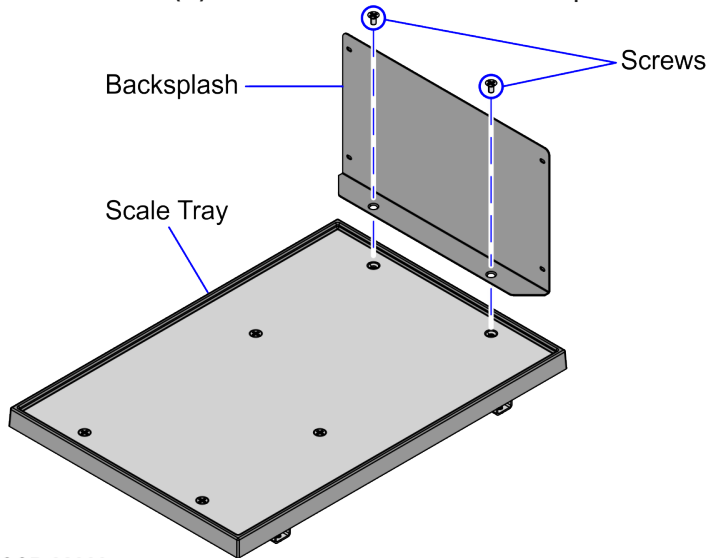
2. Remove four (4) screws to detach each Fence from the Scale Tray.

**i Note**  
Set aside the four (4) screws for reinstallation.



CCP-82880

3. Remove two (2) screws to detach the Backsplash from the Scale Tray.



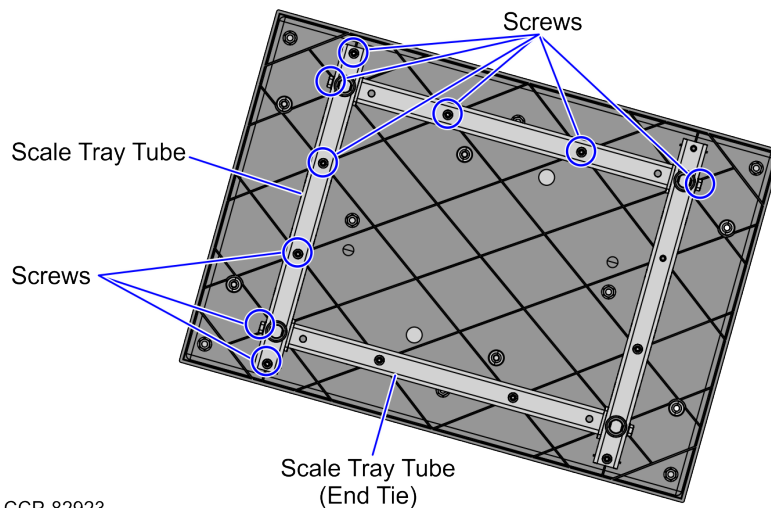
CCP-82909

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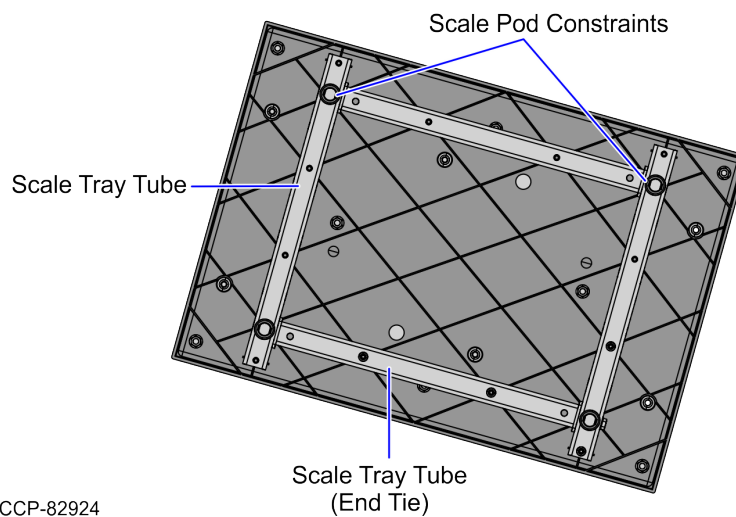
# Setting up the Scale Tray Expansion

To set up the Scale Tray Expansion, follow these steps:

1. Under the existing Scale Tray, detach one of the Scale Tray Tube (End Tie) by doing the following:
  - a. Remove nine (9) screws from the Scale Tray Tubes, as shown in the image below.

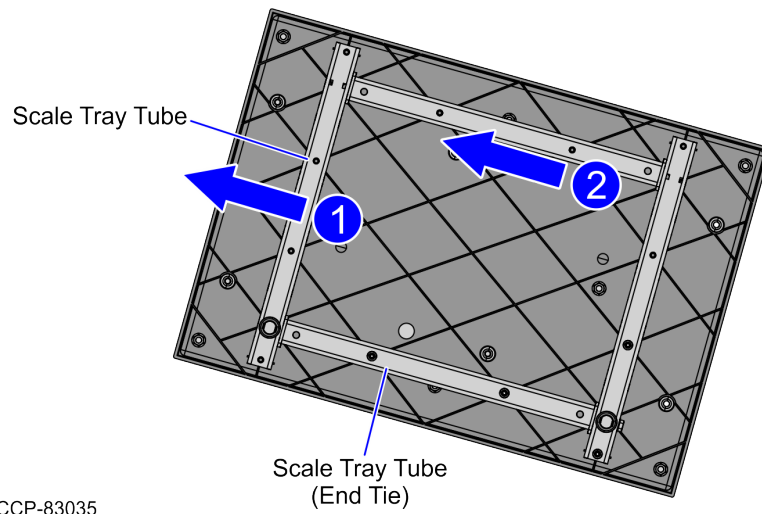


- b. Remove two (2) Scale Pod Constraints by using your fingers to pull and detach each Constraint from the corresponding cutouts on the Scale Tray Tubes, as shown in the image below.

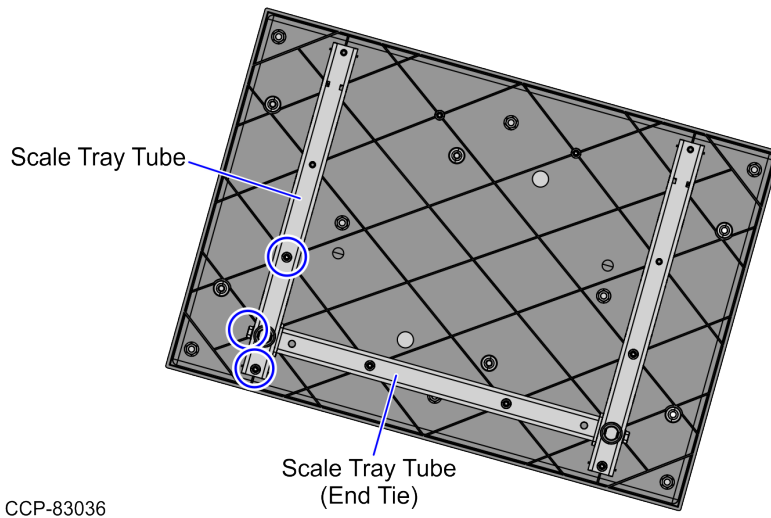


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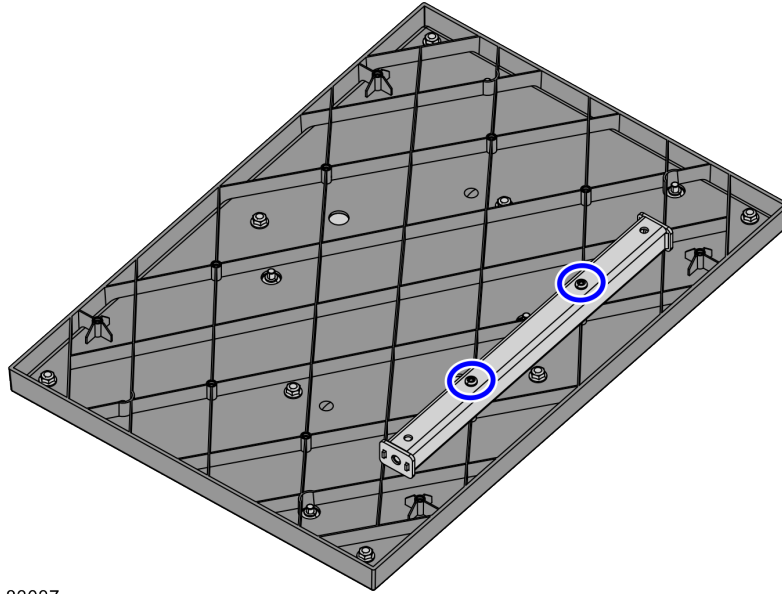
c. Remove the Scale Tray Tubes.



d. Re-attach the Scale Tray Tube using three (3) screws, as shown in the image below.

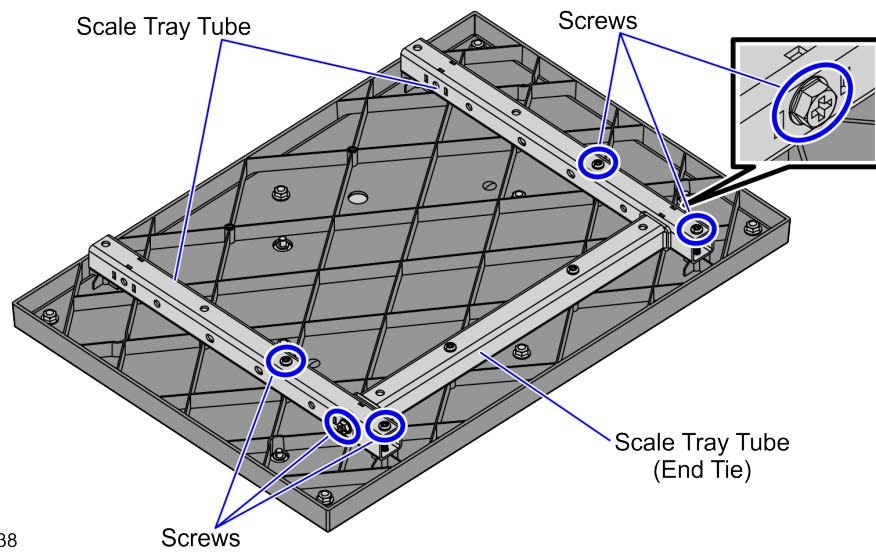


2. Under the Scale Tray Expansion, attach the tubes by doing the following:
  - a. Attach one (1) Scale Tray Tube (End Tie) using two (2) screws.



CCP-83037

- b. Attach a Scale Tray Tube at each end of the Scale Tray Tube (End Tie) and secure each tube using three (3) screws, as shown in the image below.

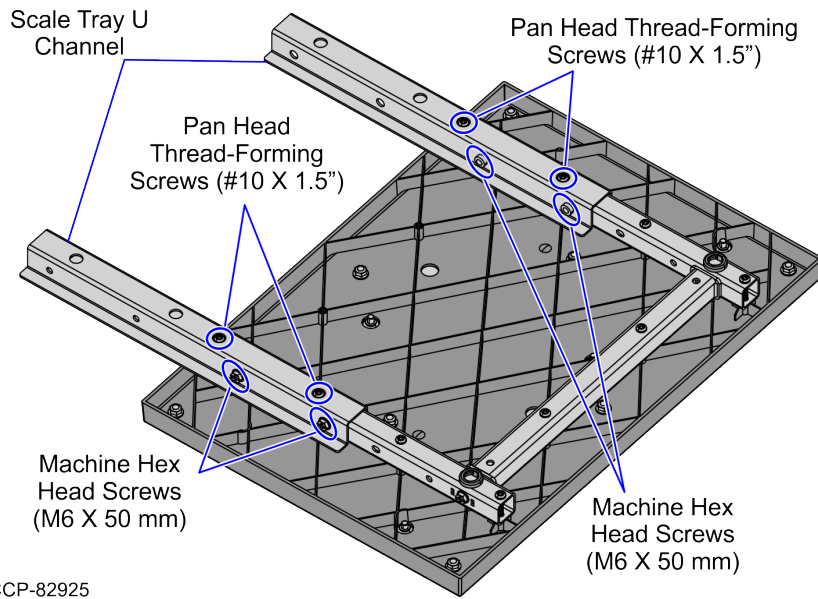


CCP-83038

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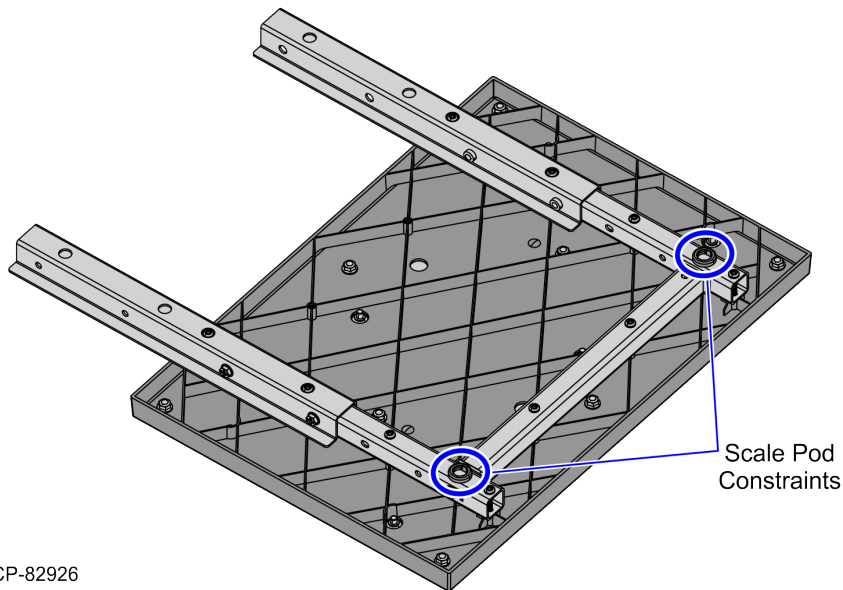


- c. Attach a Scale Tray U Channel at each end of the Scale Tray Tube and secure each channel using four (4) screws, as shown in the image below.



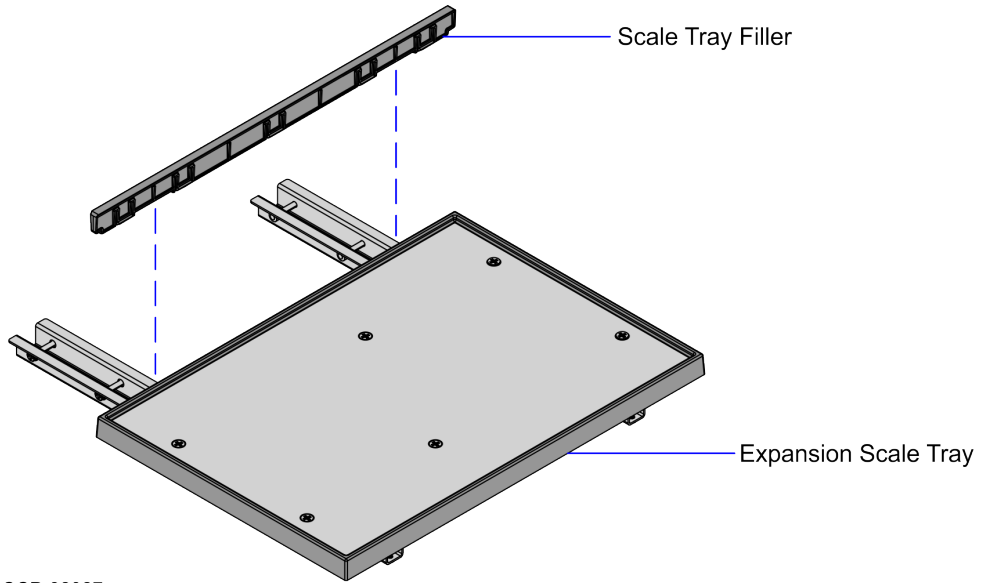
CCP-82925

- d. Install two (2) Scale Pod Constraints by using your fingers to push and attach each Constraint into the corresponding cutouts on the Scale Tray Tubes.



CCP-82926

- e. Place the Scale Tray Filler on the edge of the Scale Tray Expansion, as shown in the image below.

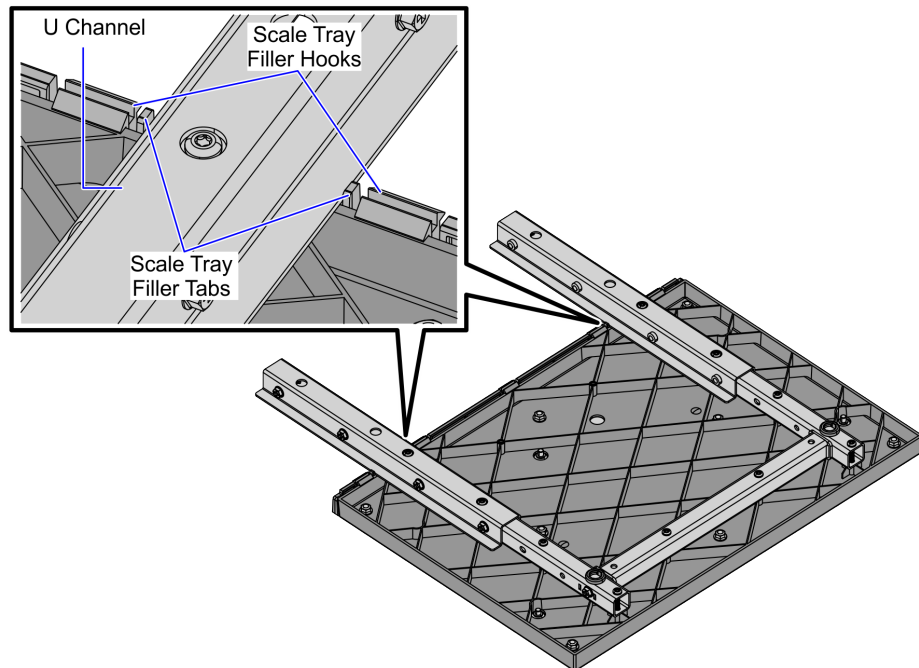


CCP-82927



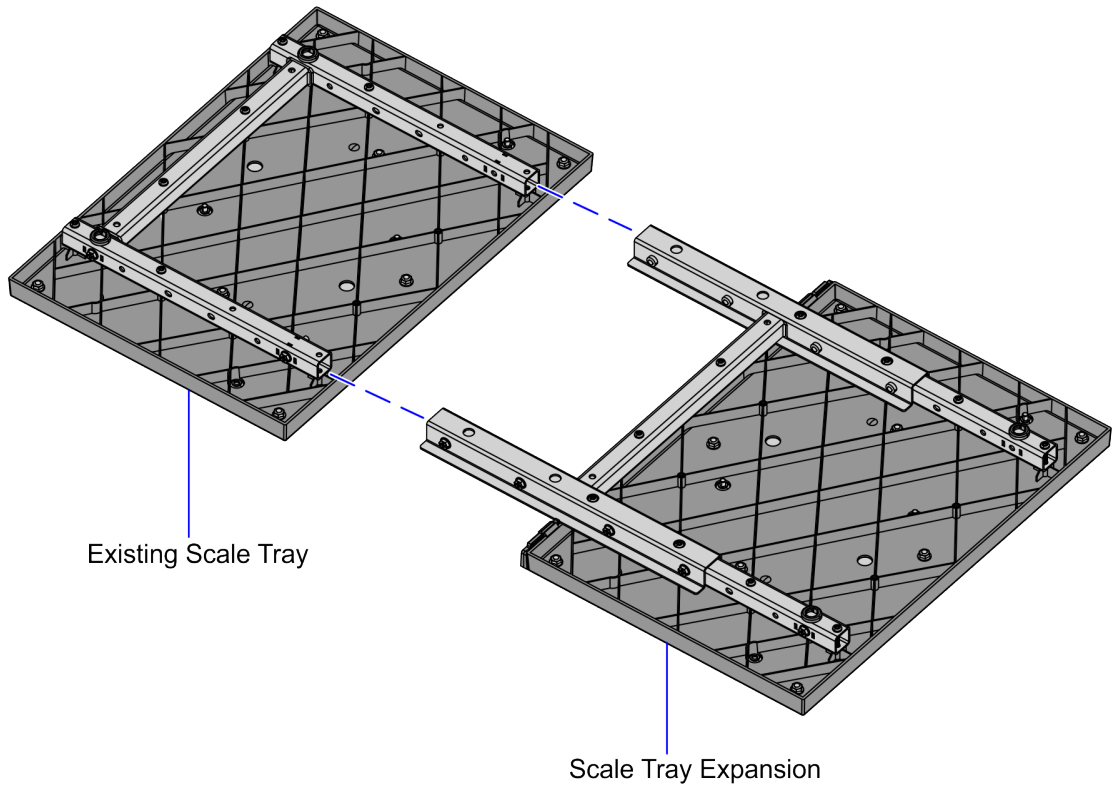
**Note**

The Scale Tray Filler tabs should attach to each U Channel and the Scale Tray Filler hooks should attach to the Scale Trays on each side. Refer to the image below for the tabs and hooks.



CCP-83039

3. Insert the Scale Tray Tube of the existing Scale Tray into each Scale Tray U Channel on the Scale Tray Expansion.

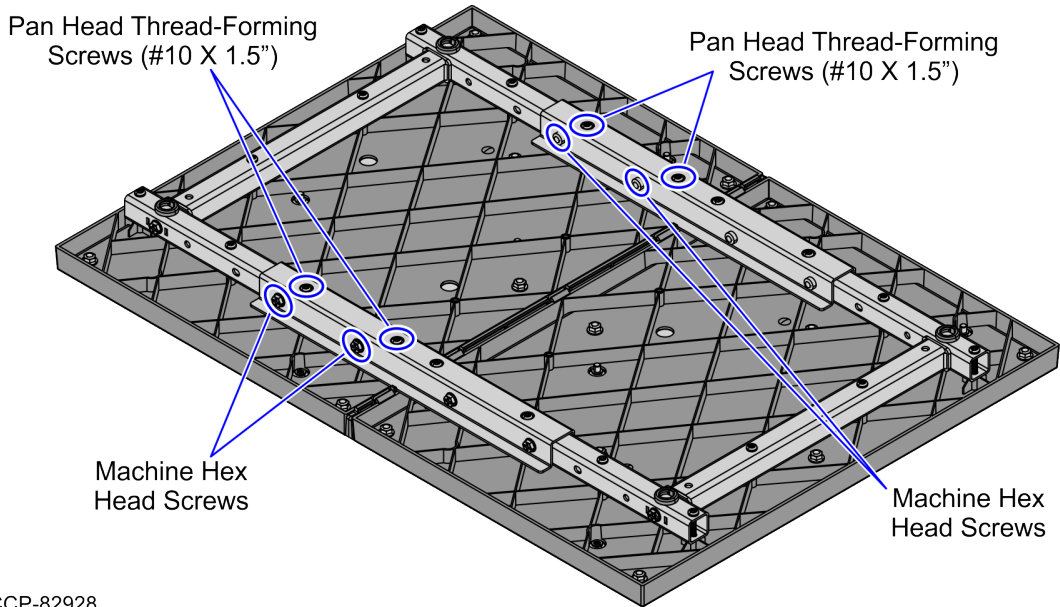


CCP-83040

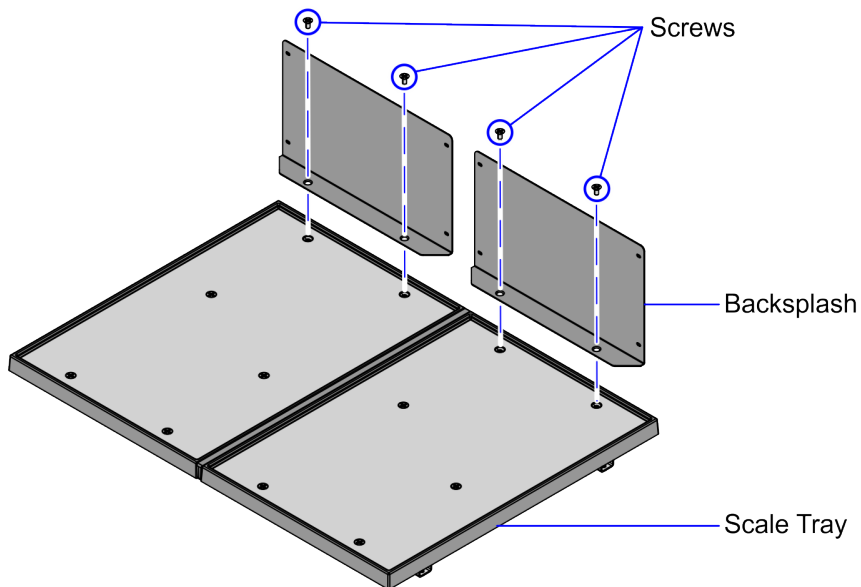
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- Secure the Scale Tray assembly using eight (8) screws, as shown in the image below.

**Note**  
The Scale Tray Filler sits between the existing Scale Tray and Expansion Scale Tray.



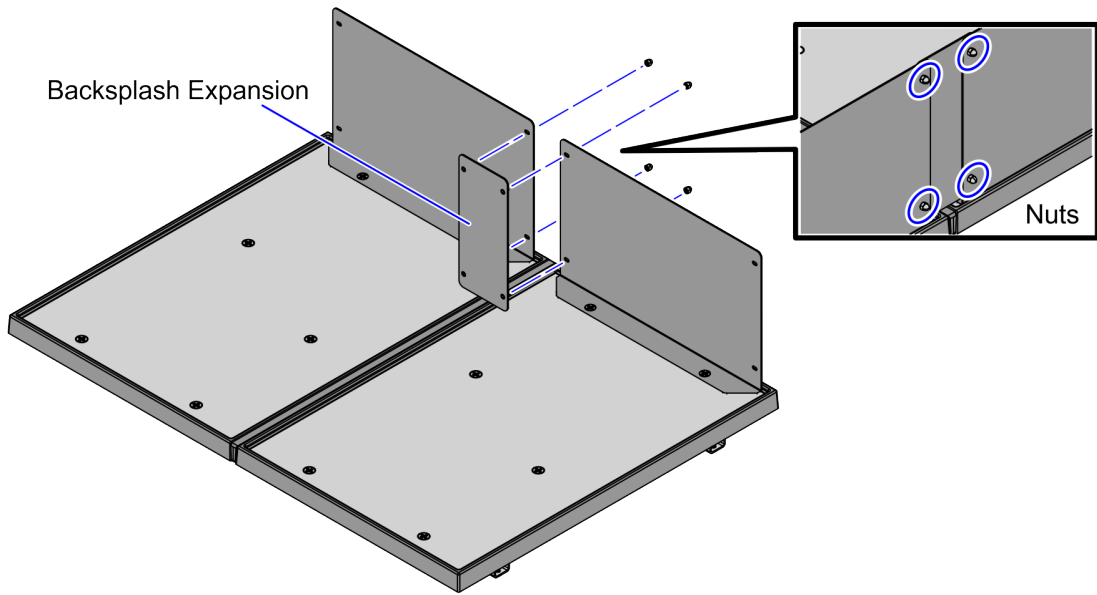
- Attach two (2) Backsplash to the Scale Tray Expansion assembly. Each Backsplash has two (2) screws.



- Attach the Backsplash Expansion in between the two (2) Backsplash using four (4)

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acorn nuts.



CCP-82917

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# Calibrating the Security Scale

The Security Scale must be calibrated with the required measurement units (pounds or kilograms) after a new installation, or if the system has been moved to a new location.

**i Note**  
Before performing a zero-weight calibration on the Security Scale ensure that the Backsplash is installed.

Zero-Weight Calibration or Soft Calibration should be performed any time the hardware infrastructure of the Security Scale Tray is changed such as in the following instances:

- Screws were tightened.
- Scale Pods or the Security Scale Controller were replaced.
- The bagging platform changed.
- A Bagwell Fence is added.

**i Note**  
For more information, refer to the 7371-K004 Bagwell Fence.

To perform a zero-weight calibration on the Security Scale, follow these steps:

**i Note**  
Remove any products that are placed on the scale.

1. Access Profile Manager to display the Profile Manager screen. Each device is displayed on the screen.

**i Note**  
A USB key, ID, and password are required.

2. Select **Scale**. The Scale parameters are displayed in a new window.
3. From the Scale window, select **BagScaleFlintec**. The Scale health check window is displayed.

Health Check: Scale using RegistryProfile NCR\_Bag

Service Object Description:	NCR Flintec Scale SO: (c) 2016 NCR		
Service Object Version:	Version 1.14.24	Internal:	V173 040417
Device Name:	Security Scale		
Device Description:	NCR 7350 Scale , Pods=3S_37pt5LB		
Software Build Version:	11.5.289.1	Reg Config Units:	Pound
Firmware Versions. Main:	497-0474615	Boot:	497-0465768
Load Cells. Expected:	4	Detected:	4
Sample Rate:	87	CKH3 Rate(ms):	150
Controller Serial Number:	81-10293911		
Pods Serial Number:	P1:01239513	P2:01235070	P3:01237195 P4:01237045
Pods Model	P1:497-0511500A	P2:497-0511500A	P3:497-0511500A P4:497-0511500A
Pods Capacity:	P1:37.5	P2:37.5	P3:37.5 P4:37.5
Pods Resistance:	P1:350.89999	P2:350.92001	P3:350.88000 P4:350.89999
Pods Sensitivity:	P1:0.900170	P2:0.900240	P3:0.900100 P4:0.900050
Pods Status at Init:	Known: 4 3S 37.5LB loadcells (3S Ver3: Locktight Screw + new Manuf Calib)		

Live Weight:	<input type="text" value="-1.080"/>
Status:	<input type="text" value="Stable Under Zero"/>
Last Stable Weight:	<input type="text" value="-1.080"/>
Stable Time (seconds):	<input type="text" value="0.547"/>
Load Cell Status:	<input type="text" value="Load Cell Healthy"/>

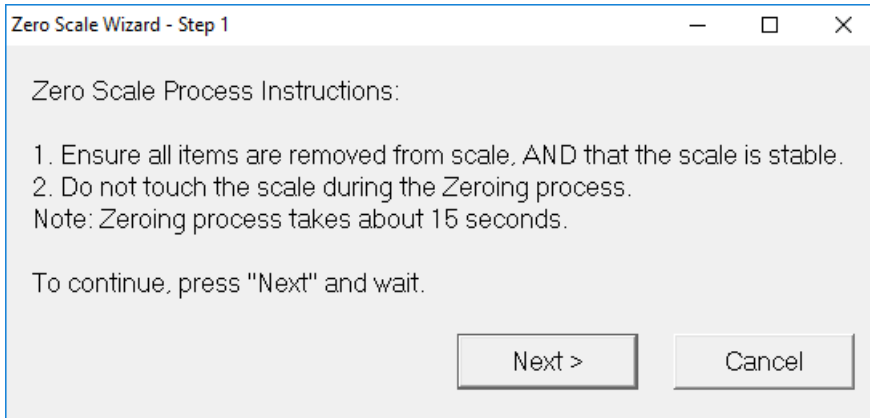
**i Note**

The Scale Health Check window shows the Version, the unit of measure as defined during the Self-Checkout installation, the expected and detected number of load cells, and the serial numbers for the load cell pods.

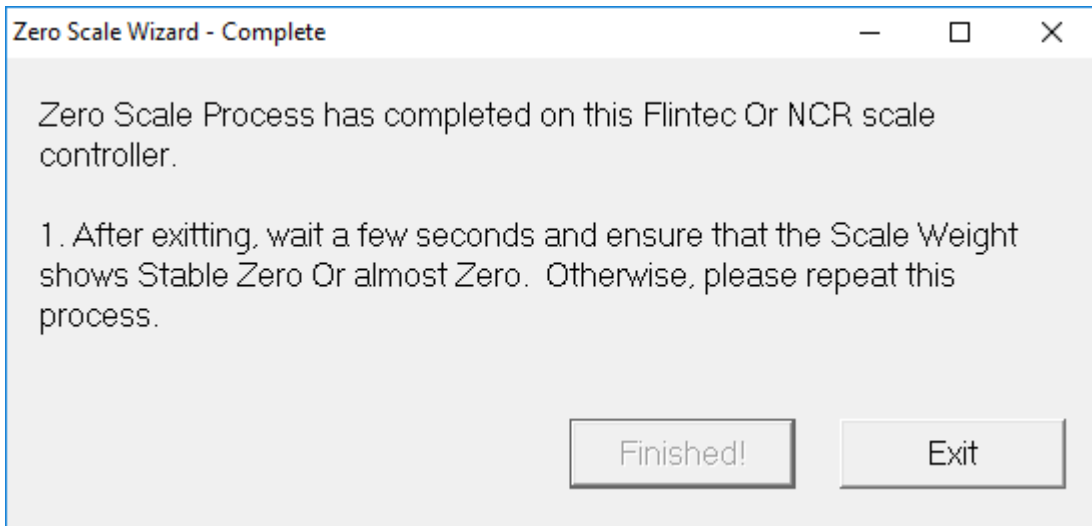
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4. Select **Zero Scale** to calibrate the Bag Scale. Since this is a zero weight calibration, no weights should be on the scale.

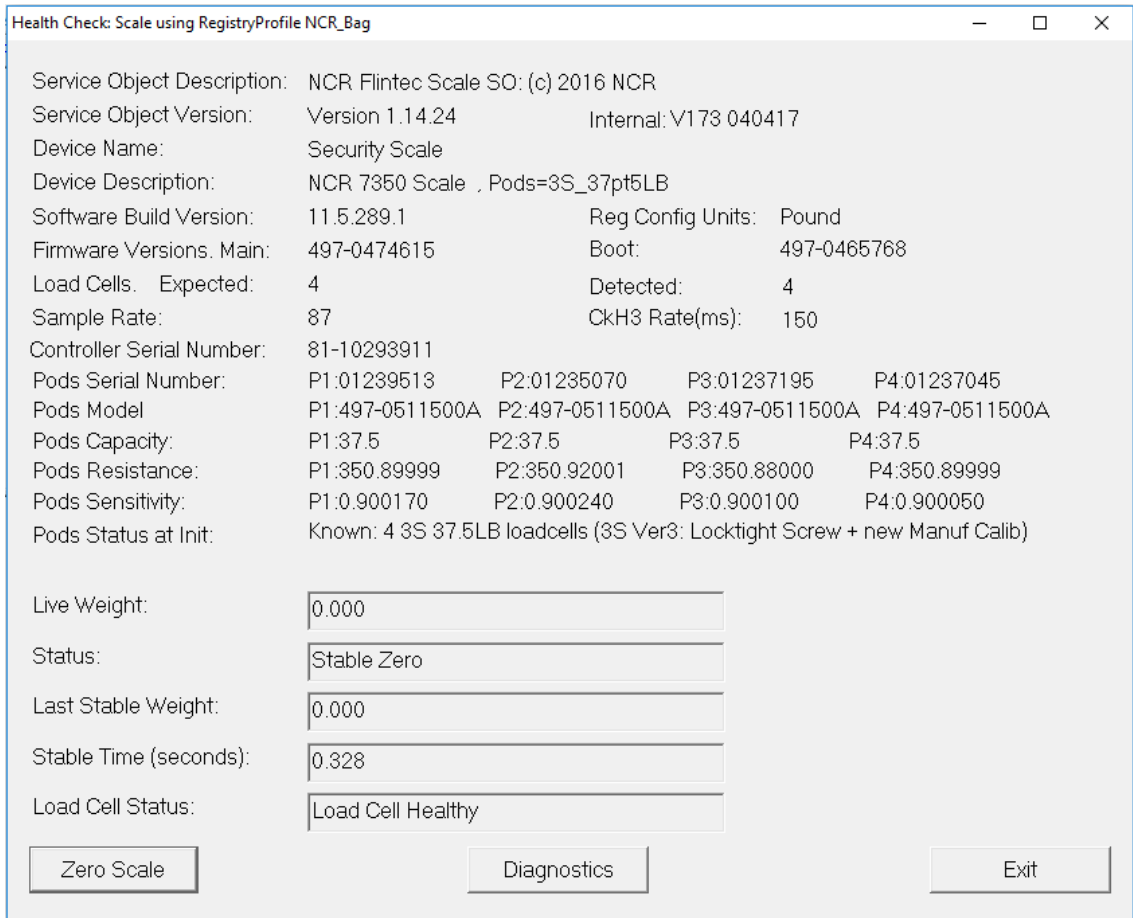


5. Select **Next** to complete the process. The following window is displayed.





6. Select **Exit**. The window shows 0.000 in the Live Weight and Last Stable Weight fields, and Stable Zero in the Status field.



7. Select **Exit** to close the window.