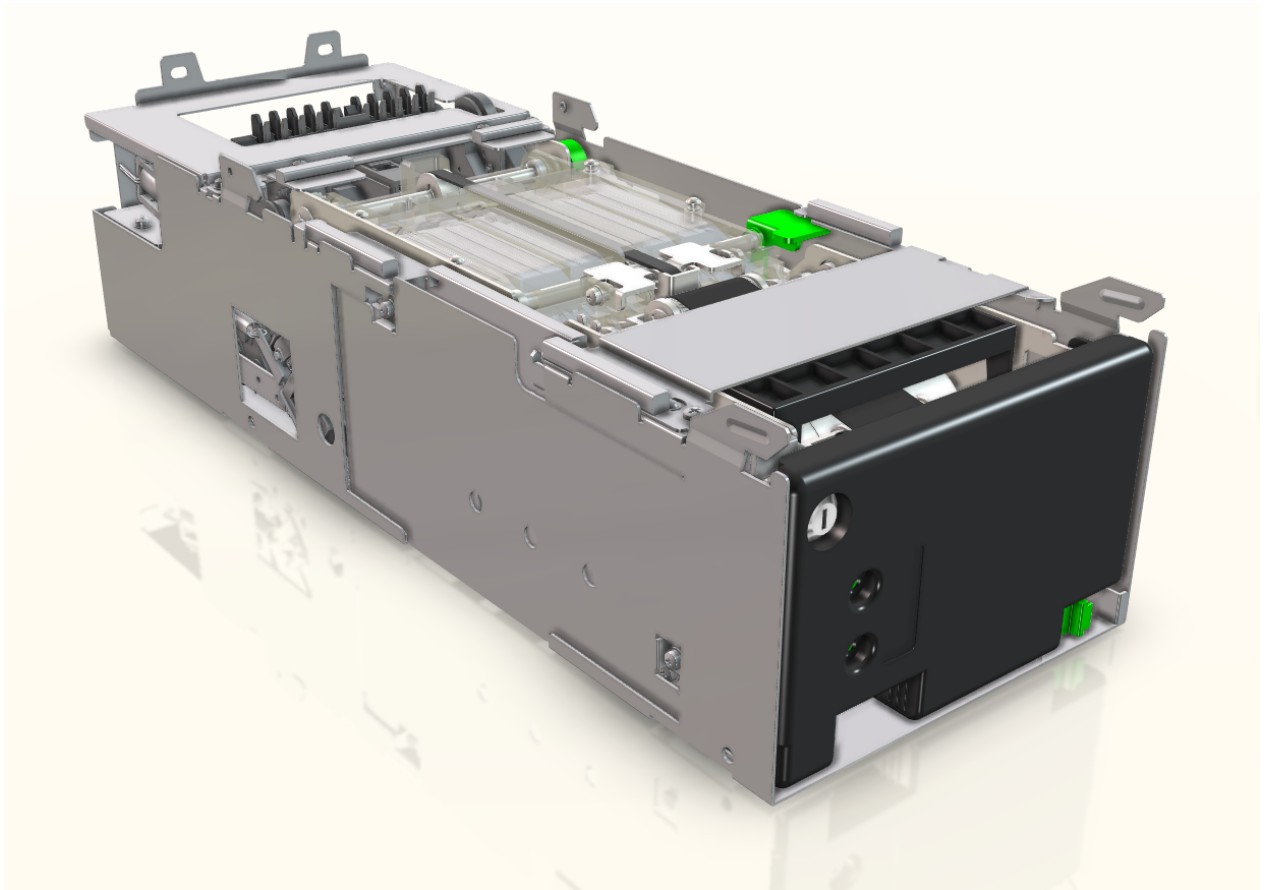


# Kit Instructions

## GSR50 Recycler Module Upgrade



7360-K102  
Issue A



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### Revision Record

Issue	Date	Remarks
A	Jan 2019	First release.

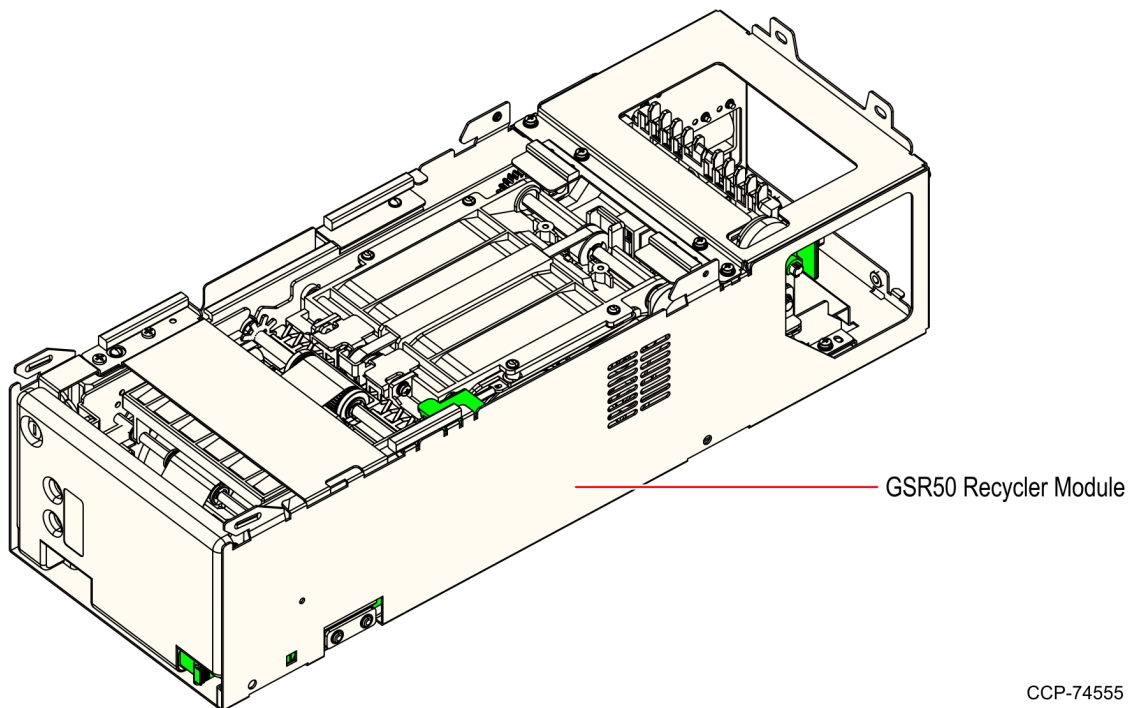
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# GSR50 Recycler Module Upgrade

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This publication provides procedures for adding a GSR50 Recycler Module to an existing GSR50 Note Recycler .

## Kit Contents



Part Number	Description
497-0523911	7360-K102 GSR50 Recycler Module Upgrade
497-0523912	GSR50 Recycler Module
* 497-0423108	Kit Instructions (Reference Sheet)

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

# Installation Procedures

Adding a GSR50 Recycler Module to an existing GSR50 Note Recycler involves the following procedures:




**Tip:** Use JIS-compatible screwdrivers to avoid screws from stripping.

1. Unpack and prepare the new GSR50 Recycler Module. For more information, refer to [Unpacking the GSR50 Recycler Module](#) on the facing page.
2. On the customer's existing GSR50 system, purge the notes from each Recycler drum to the Notebox (Cashbox). This is to ensure that the counts of all recycler drums are "0" in Profile Manager Lite (PML). For more information, refer to [Purging Notes from each Recycler Drum to the Notebox \(Cashbox\)](#) on page 4.
3. Access the GSR50 Note Recycler. For more information, refer to [Accessing the GSR50 Note Recycler](#) on page 10.
4. Depending on the existing configuration, refer to the following procedures:
  - [Removing Notebox \(Cashbox\) Module from GSR50 Note Recycler Unit without Loader Cassette Module](#) on page 13.
  - [Removing Loader Cassette Module and Notebox \(Cashbox\) Module](#) on page 17. This procedure is only applicable for GSR50 Note Recycler with Loader Cassette Module.
5. Install the GSR50 Recycler Module. Depending on the existing configuration, refer to the following procedures:
  - [Installing GSR50 Recycler Module on GSR50 Note Recycler without Loader Module](#) on page 22.
  - [Installing GSR50 Recycler Module on GSR50 Note Recycler Unit with Loader Module](#) on page 30. This procedure is only applicable for GSR50 Note Recycler with Loader Cassette Module.
6. Configure the GSR50 Recycler Module. For more information, refer to [Configuring the GSR50 Recycler Module](#) on page 39.
7. Test the GSR50 Recycler Module using Profile Manager Lite (PML). For more information, refer to [Testing GSR50 Recycler Module using Profile Manager Lite \(PML\)](#) on page 44.

## Unpacking the GSR50 Recycler Module

To unpack, follow these steps:

1. Verify that all kit components are available. For more information, refer to [Kit Contents](#) on page 1.
2. Remove the blue plastic wrap from unit.
3. Remove and discard the following materials:
  - Desiccant bag taped on the recycler frame.
  - Packaging materials (cardboard and tapes) attached to the recycler stacker.
4. Remove the small plastic bag taped on the frame.
5. Verify that the following items are available inside the small plastic bag:  
 **Note:** These items will be used in attaching the new module to an existing one.
  - Two (2) screws
  - Two (2) cables
6. Set up the module assembly by fully inserting the recycler stacker into the recycler module.

## Purging Notes from each Recycler Drum to the Notebox (Cashbox)

Before adding the GSR50 Recycler Module, it is best to purge the notes from each Recycler drum to confirm the counts of all recycler drums are "0" in Profile Manager Lite (PML). This minimizes risk of misplaced cash, or possible problems when reassigning recycler drums with notes.

Ensure to check on the *Module Status Panel* of the Profile Manager Lite (PML) to determine if the Recycler drums are empty or not. For more information, refer to [Checking Note Counts in Recycler Drums](#) on page 7.



**Note:** Skip this procedure if all Recycler drums are already empty.

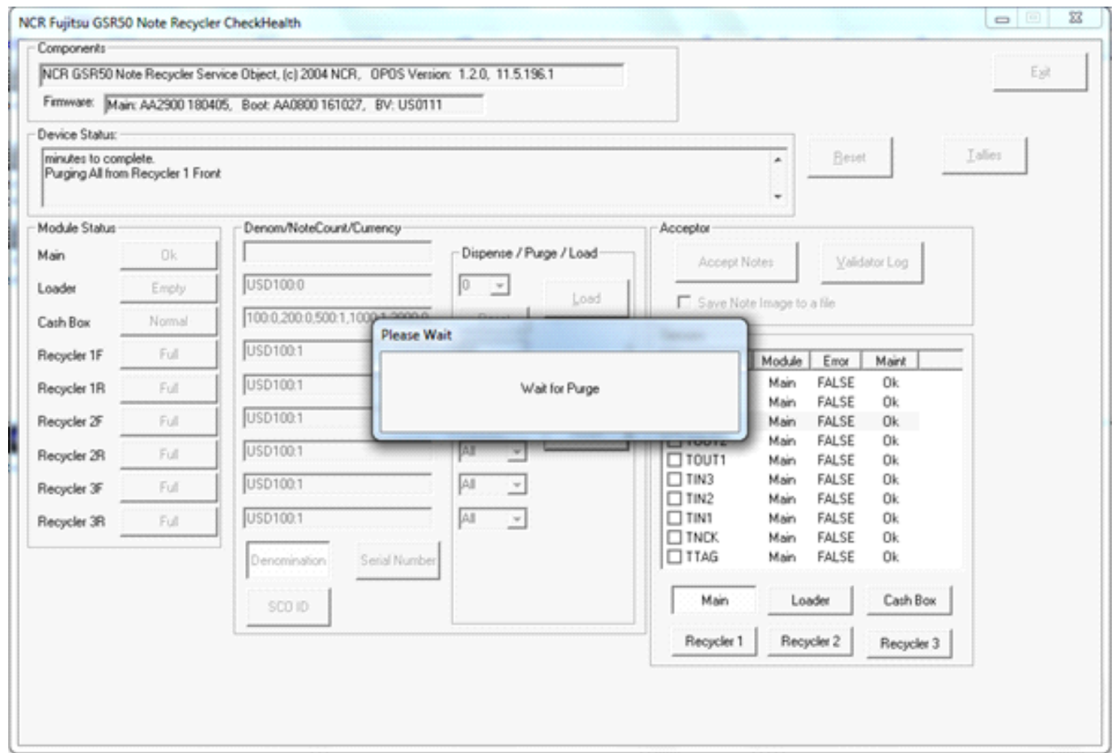
To purge a note from each Recycler drum, follow these steps:

1. Access the Profile Manager Lite (PML). For more information, refer to [Accessing the PML](#) on page 45.
2. From the *Dispense/Purge/Load* drop-down list under *Recycler*, select **All** and then select **Purge** as shown in the image below.

The ones under Recycler should be changed to All.

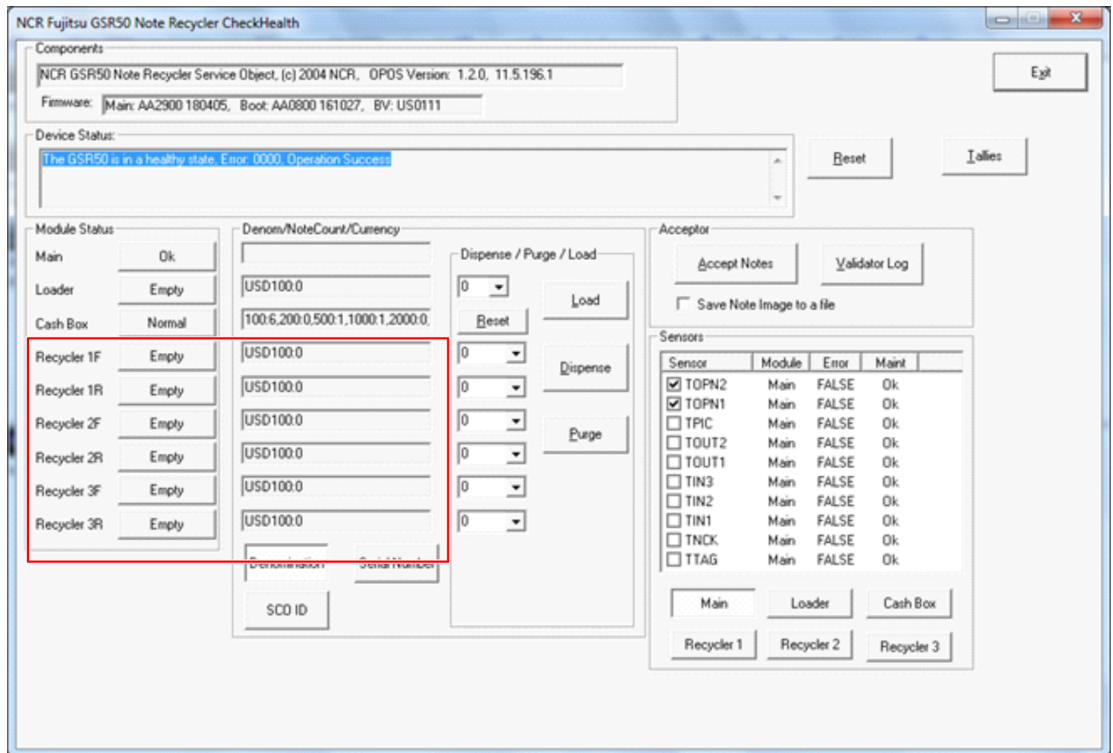
Select Purge

3. Wait while the bills are purged to the cash box.





- Verify that the Recyclers have changed to "0" bill count, as shown in the image below.



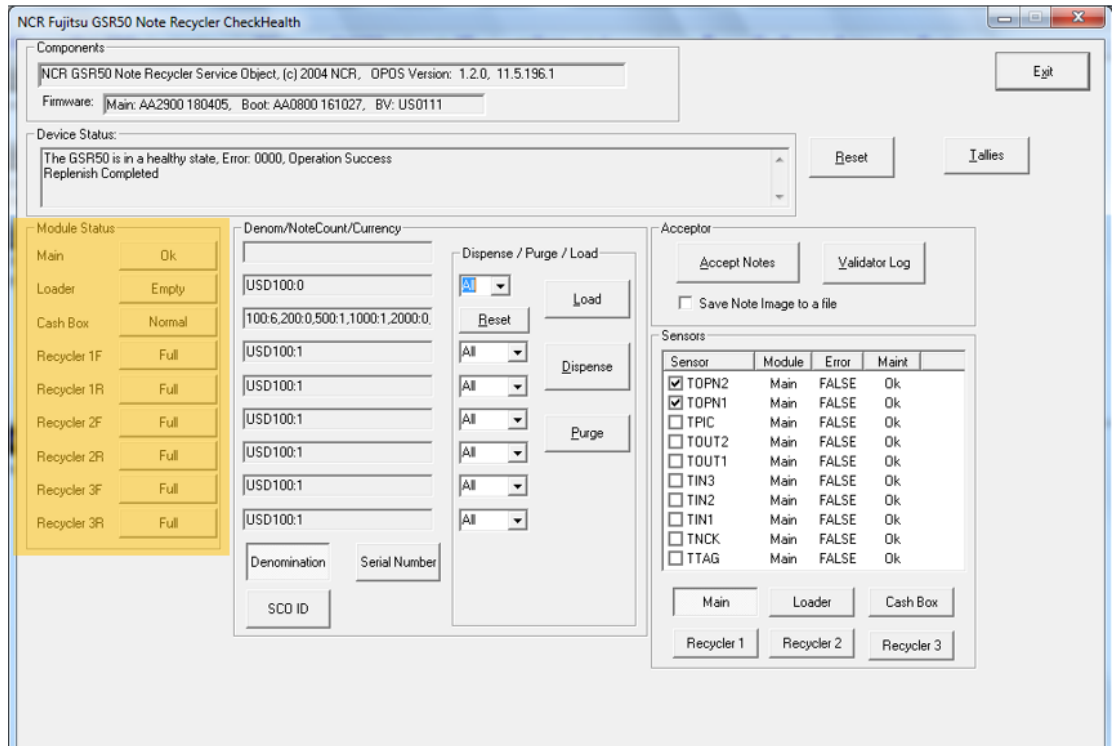
**Note:** If the Recyclers do not change to "0", there's a possibility that the notes are jammed in the Recycler drum. For more information, refer to [Jams in the Recycler Module](#).

To access the GSR50 Note Recycler, refer to [Accessing the GSR50 Note Recycler](#) on page 10.

## Checking Note Counts in Recycler Drums

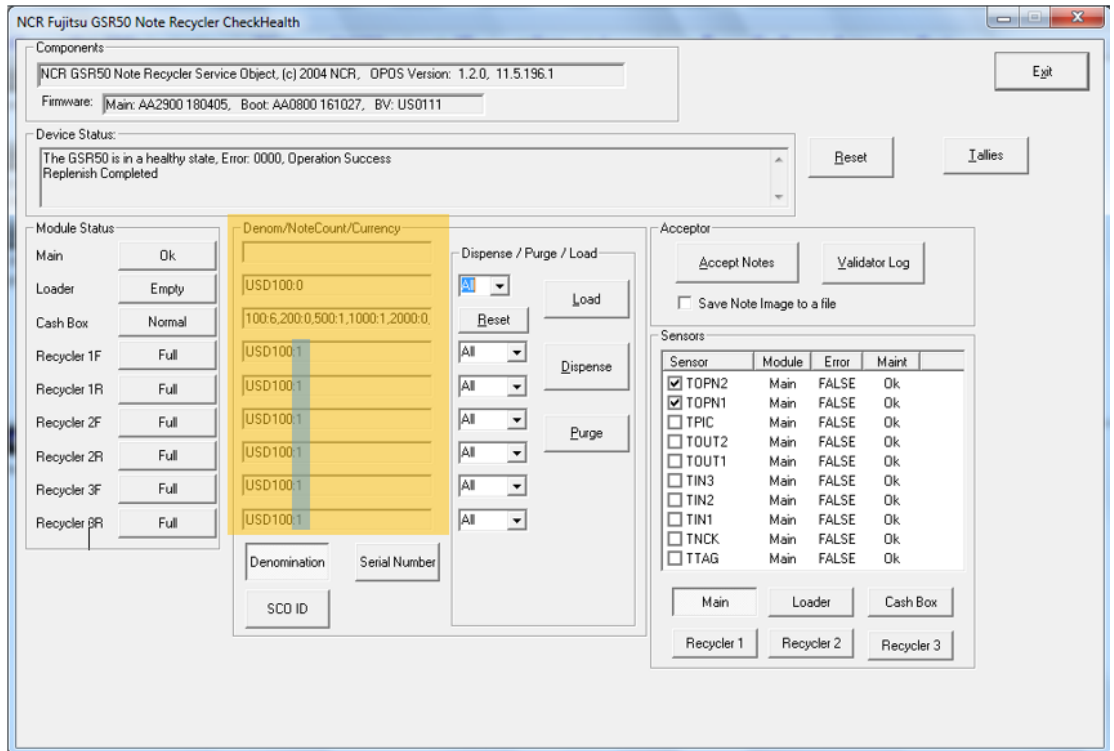
To check the note counts in the recycler drums, follow these steps:

1. Access the Profile Manager Lite (PML). For more information, refer to [Accessing the PML](#) on page 45.
2. Check the *Module Status* panel. It displays the status of the Recycler Drums. Depending on the amount in the drum, the button will display "Normal", "Near Empty", "Empty", or "Full".



3. Check the *Denom/NoteCount/Currency* panel. Depending on the country and configuration of the GSR50 Note Recycler, the panel will display the denomination, note count ":0" and currency in each corresponding Recycler Drum. The number following the denomination indicates the number of notes in the drum.

**Example:** Illustration below shows a currency for USD and denominations that indicate 100=\$1, 200=\$2, 500=\$5, 1000=\$10, 2000=\$20, 5000=\$50, and 10000=\$100. This may vary depending on the country and configuration of the GSR50 Note Recycler.





**Note:** An empty recycler drum displays “Empty” in the *Module Status* Panel and “:0” in the *Denom/NoteCount/Currency* Panel.

The screenshot displays the 'NCR Fujitsu GSR50 Note Recycler CheckHealth' application window. At the top, the 'Components' section shows the service object and firmware details. Below that, the 'Device Status' panel indicates the machine is in a healthy state. The 'Module Status' panel lists various components, with 'Main' at 'Ok' and 'Loader' at 'Empty'. The 'Denom/NoteCount/Currency' panel shows 'USD100.0' for all three recycler units (1F, 2F, 3F). The 'Dispense / Purge / Load' panel has dropdown menus set to '0' and buttons for 'Load', 'Dispense', and 'Purge'. The 'Acceptor' panel includes 'Accept Notes' and 'Validator Log' buttons. The 'Sensors' panel contains a table with columns for Sensor, Module, Error, and Maint.

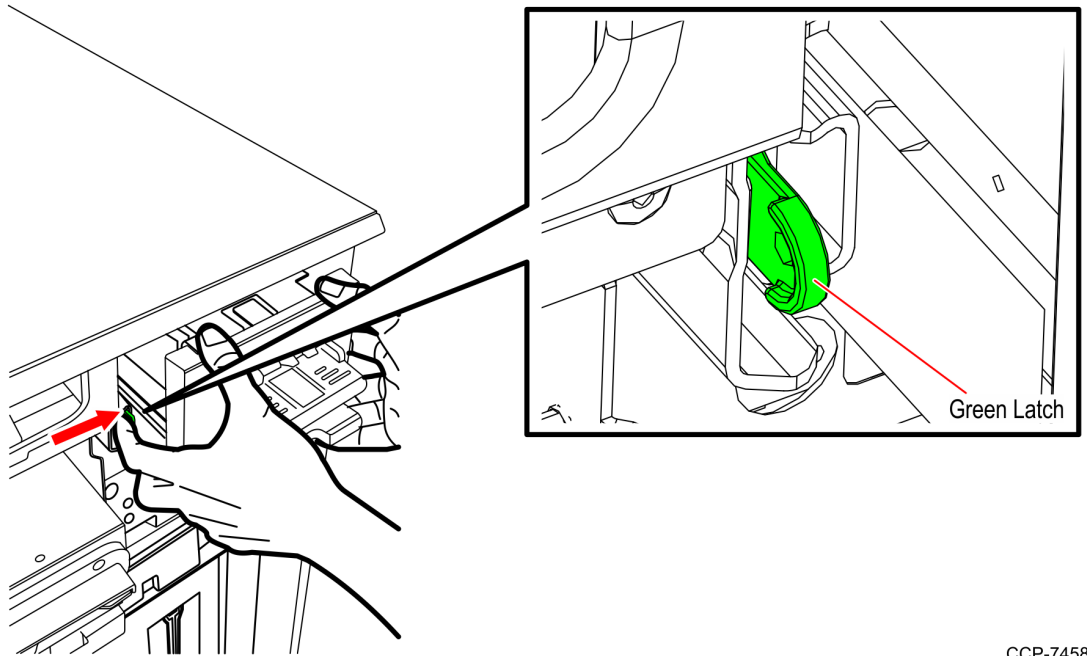
Sensor	Module	Error	Maint
<input checked="" type="checkbox"/> TOPN2	Main	FALSE	Ok
<input checked="" type="checkbox"/> TOPN1	Main	FALSE	Ok
<input type="checkbox"/> TPIC	Main	FALSE	Ok
<input type="checkbox"/> TOUT2	Main	FALSE	Ok
<input type="checkbox"/> TOUT1	Main	FALSE	Ok
<input type="checkbox"/> TIN3	Main	FALSE	Ok
<input type="checkbox"/> TIN2	Main	FALSE	Ok
<input type="checkbox"/> TIN1	Main	FALSE	Ok
<input type="checkbox"/> TNCK	Main	FALSE	Ok
<input type="checkbox"/> TTAG	Main	FALSE	Ok

For more information on understanding GSR50 Note Recycler in Profile Manager Lite (PML), refer to [Sections of the GSR50 CheckHealth Screen](#).

## Accessing the GSR50 Note Recycler

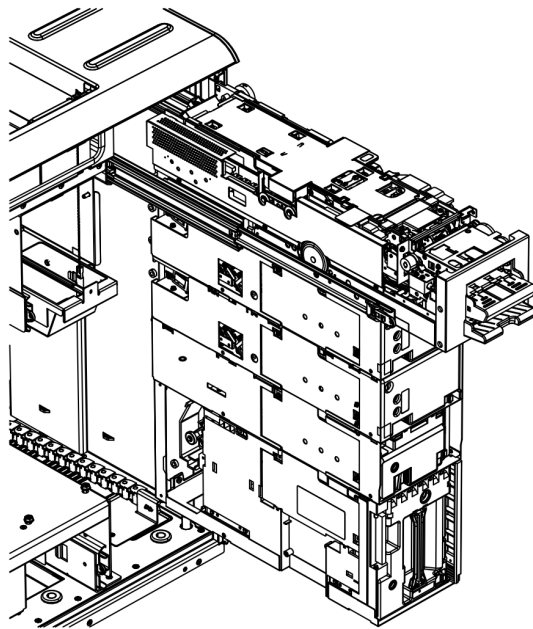
To access the GSR50 Note Recycler, follow these steps:

1. Unlock and then open the Self-Checkout External Door.
2. Push the green latch toward the Top (Main) Module.



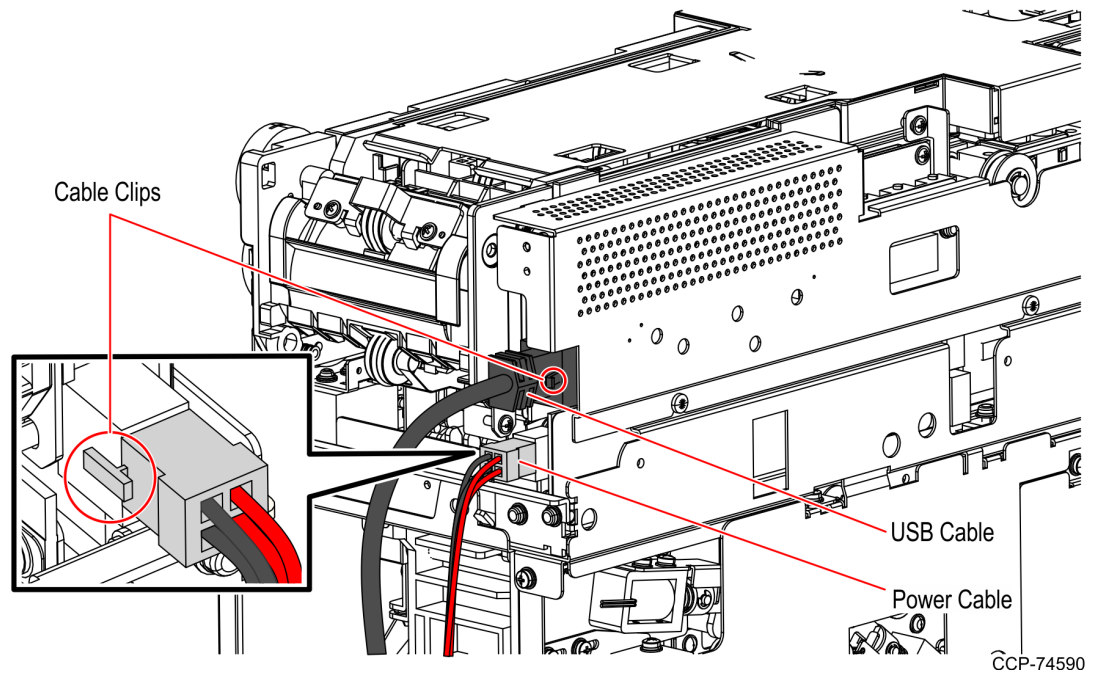
CCP-74588

3. Rack out the GSR50 Note Recycler from the cabinet.



CCP-74589

4. Disconnect the cables from the back of the Top (Main) Module by pressing down the cable clip while pulling the cables out.



Depending on the existing configuration, remove the Notebox (Cashbox) Module or Loader Cassette Module and Notebox (Cashbox) Module. For more information, refer to [Removing Notebox \(Cashbox\) Module or Loader Cassette Module and Notebox \(Cashbox\) Module](#) on the next page.

## Removing Notebox (Cashbox) Module or Loader Cassette Module and Notebox (Cashbox) Module

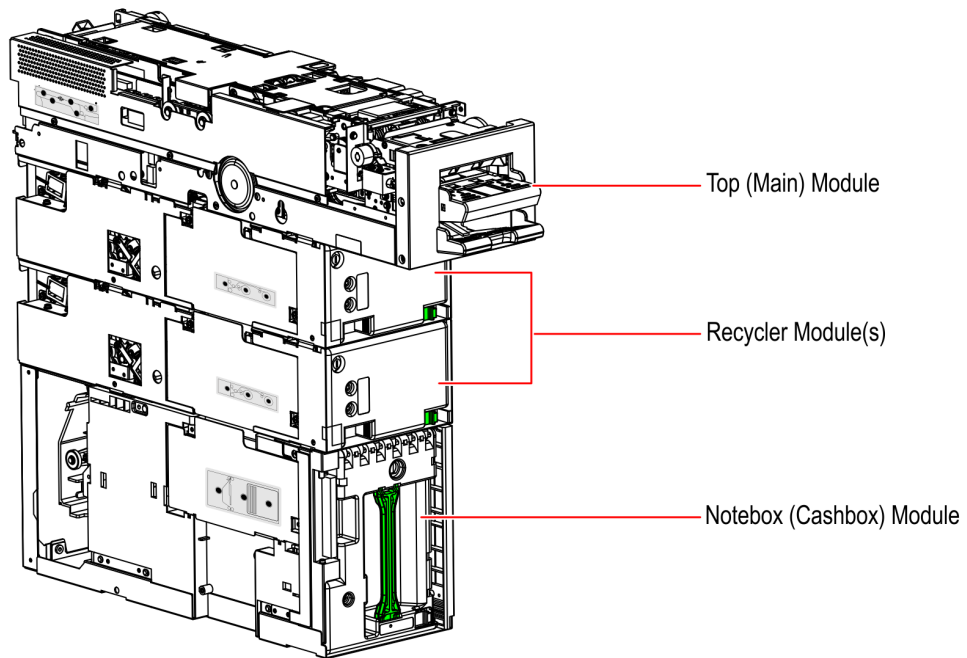
Depending on the existing configuration, do any of the following:

- [Removing Notebox \(Cashbox\) Module from GSR50 Note Recycler Unit without Loader Cassette Module](#) on the facing page.
- [Removing Loader Cassette Module and Notebox \(Cashbox\) Module](#) on page 17. This procedure is only applicable for GSR50 Note Recycler with Loader Cassette Module.

## Removing Notebox (Cashbox) Module from GSR50 Note Recycler Unit without Loader Cassette Module

The GSR50 Note Recycler has the following modules:

- a. Top (Main) Module
- b. Recycler Module (1x or 2x)
- c. Notebox (Cashbox) Module



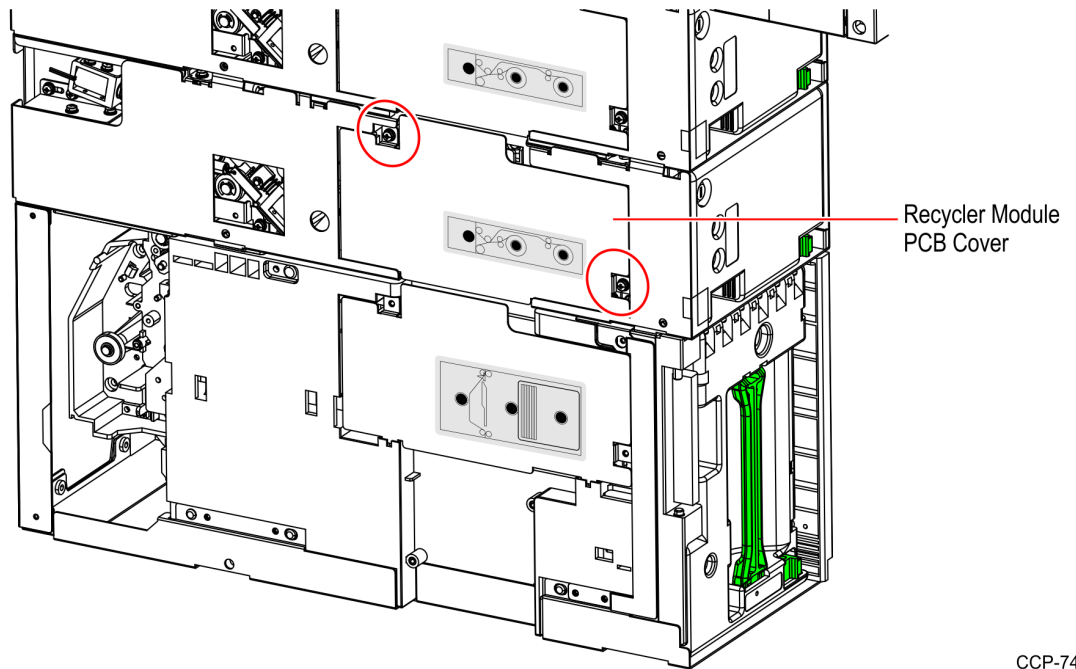
CCP-74591

To remove the Notebox (Cashbox), follow these steps:

1. Access the GSR50 Note Recycler. For more information, refer to [Accessing the GSR50 Note Recycler](#) on page 10.

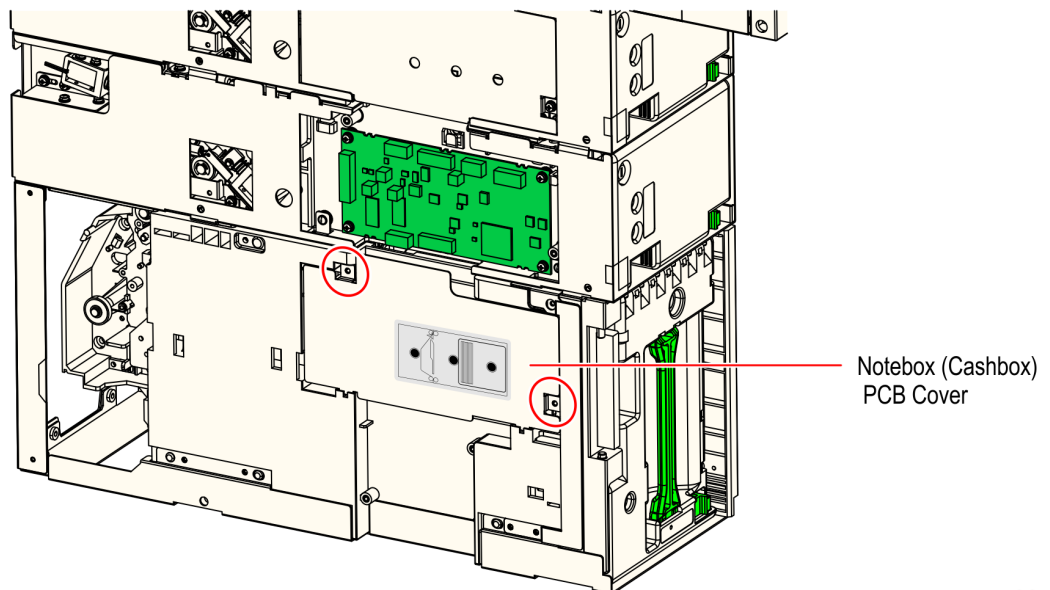


2. Remove the screws from the Lowest Recycler Frame. The PCB Cover can then be removed.



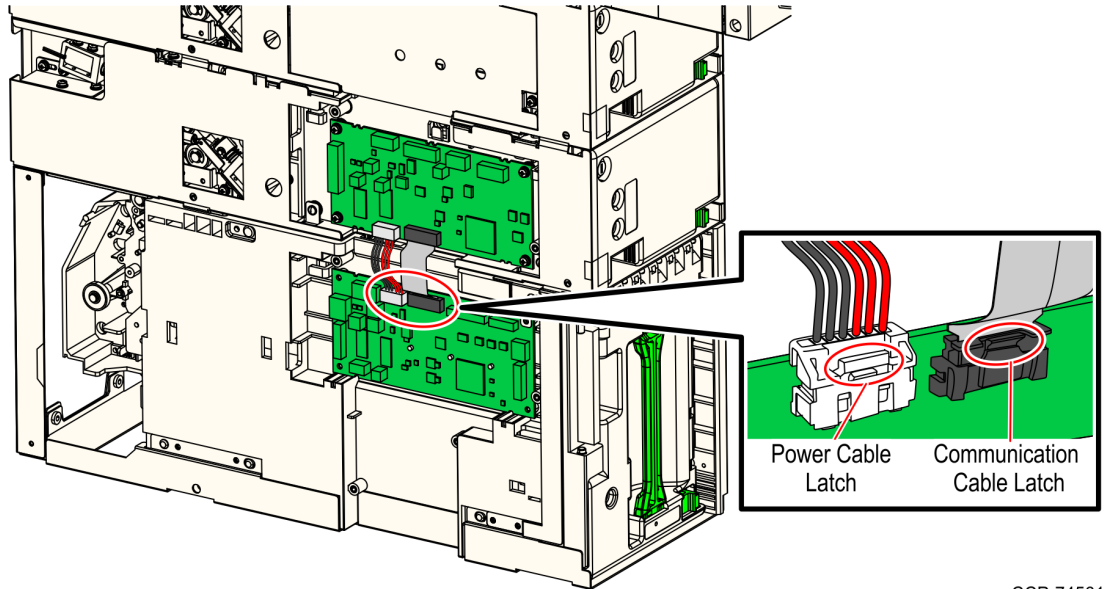
CCP-74560

3. Remove the screws from the Notebox (Cashbox) frame. The PCB Cover can then be removed.



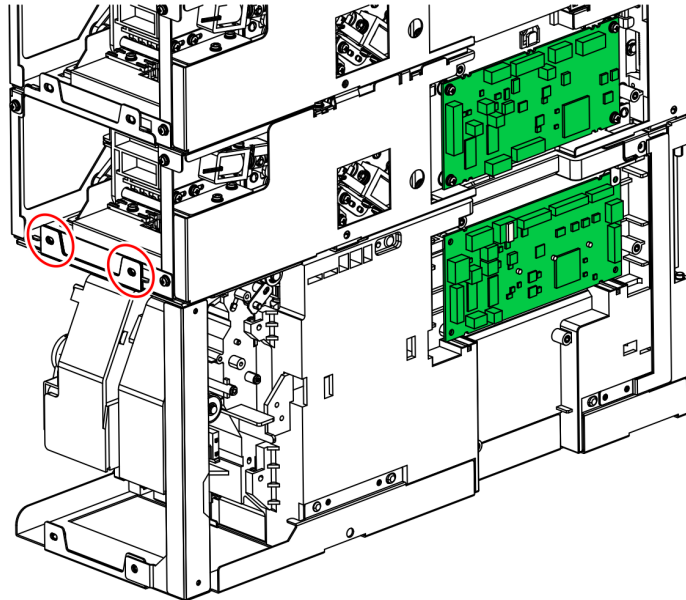
CCP-74592

4. Press the latches to remove the communication and power cables as shown in the image below.



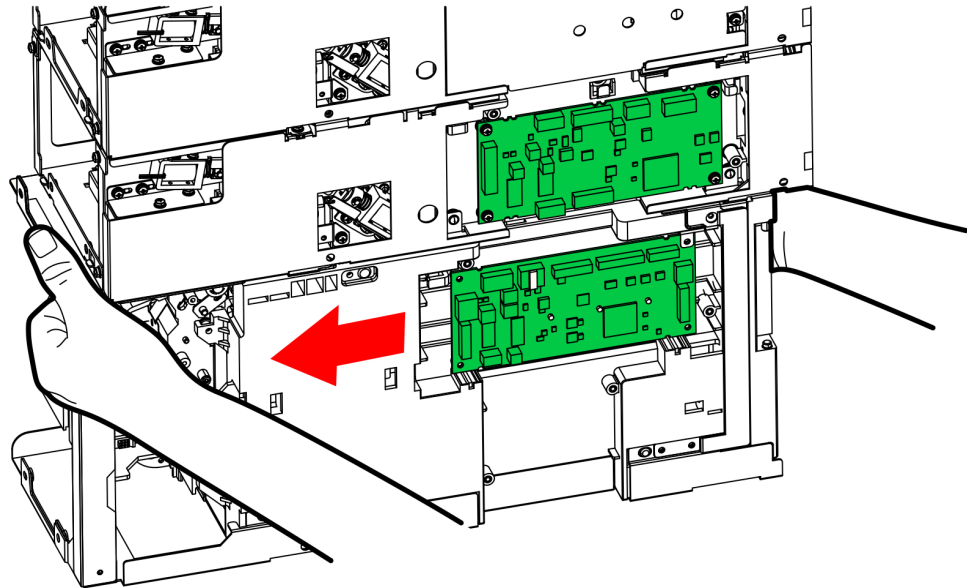
CCP-74561

5. From the back of the GSR50 Note Recycler unit, the Notebox (Cashbox) frame and Recycler frame is secured together by two screws. Remove these two screws.




CCP-74562

6. Remove the Notebox (Cashbox) module out of the Note Recycler by doing the following:
  - a. Disengage the mounting hooks from the bottom of the Recycler frame by using both hands to slide the Notebox (Cashbox) frame to the back of the Note Recycler.



CCP-74563

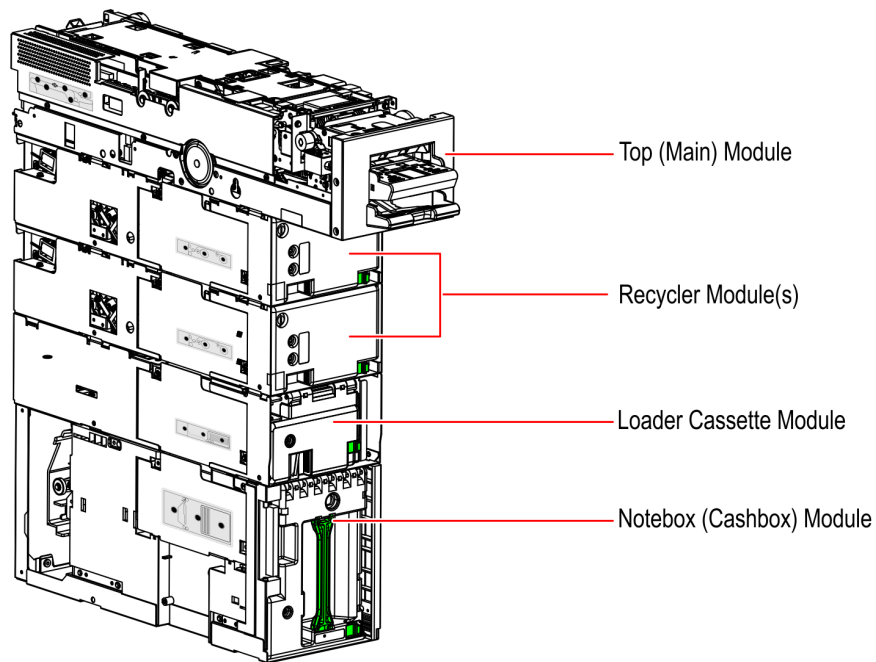
- b. Pull the Notebox (Cashbox) module out of the recycler frame.  
 **Caution:** Ensure that the Notebox (Cashbox) module is held by both hands to avoid dropping it.
7. Set aside all removed components (Notebox (Cashbox) module, screws, cables, and PCB cover plates) for future re-installation.

To install the new GSR50 Recycler Module, refer to [Installing GSR50 Recycler Module](#) on page 21.

## Removing Loader Cassette Module and Notebox (Cashbox) Module

The GSR50 Note Recycler has the following modules:

- a. Top (Main) Module
- b. Recycler Module (1x or 2x)
- c. Loader Cassette Module
- d. Notebox (Cashbox) Module

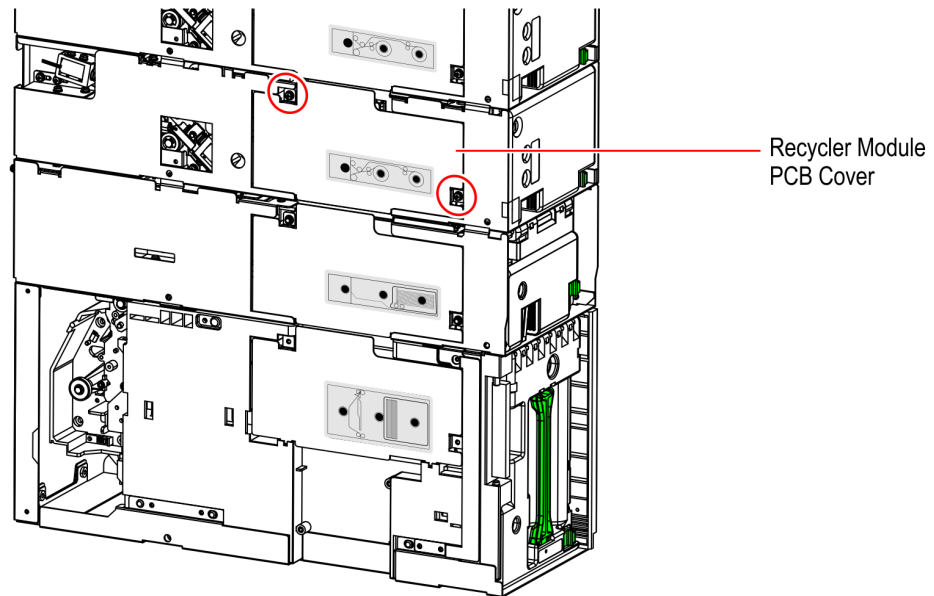


CCP-74591

To remove the Loader Cassette Module and Notebox (Cashbox) Module assembly, follow these steps:

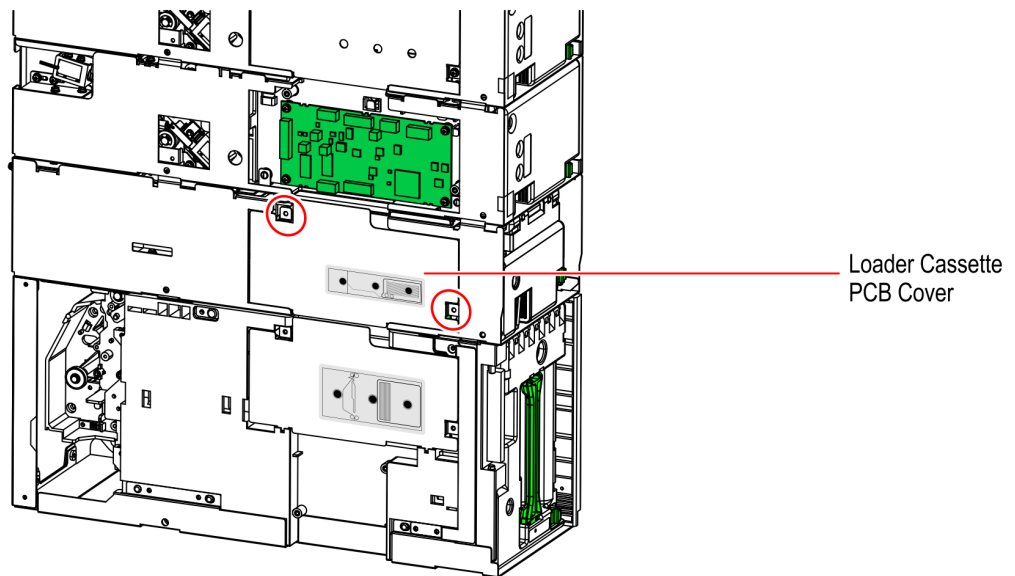
1. Access the GSR50 Note Recycler. For more information, refer to [Accessing the GSR50 Note Recycler](#) on page 10.

2. Remove the screws from the Lowest Recycler frame. The PCB Cover can then be removed.



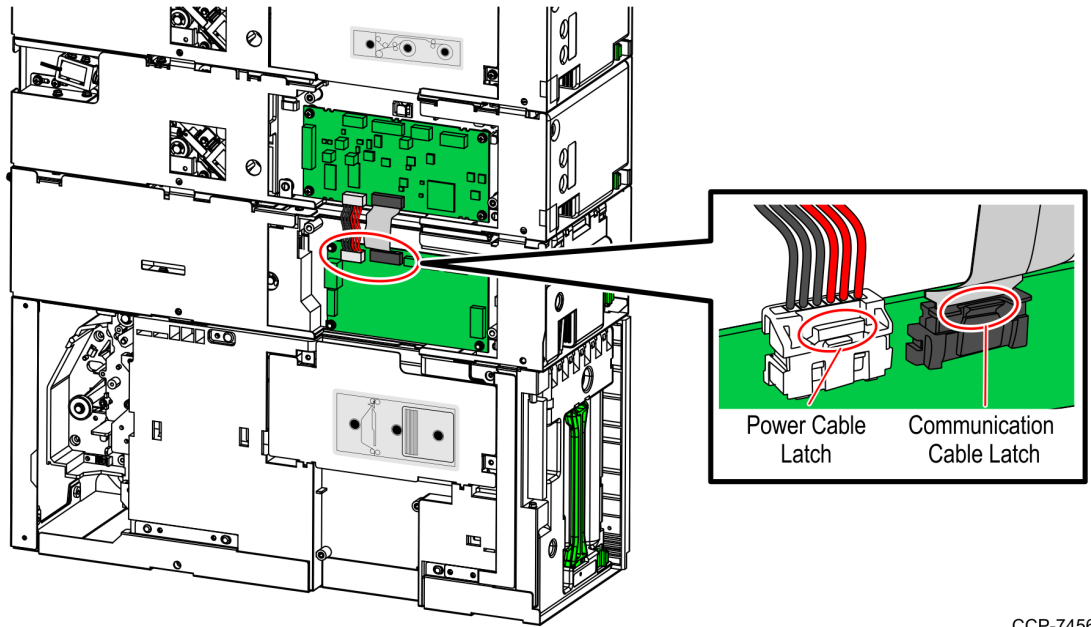
CCP-74564

3. Remove the screws from the Loader Cassette frame. The PCB Cover can then be removed.



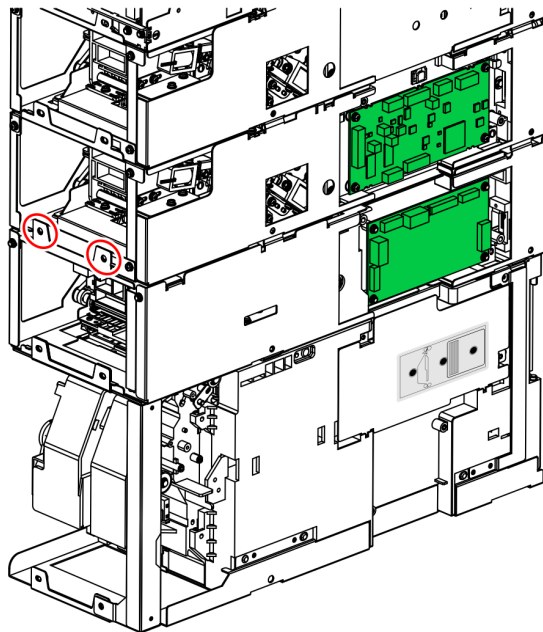
CCP-74594

4. Press the latches to remove the communication and power cables, as shown in the image below.



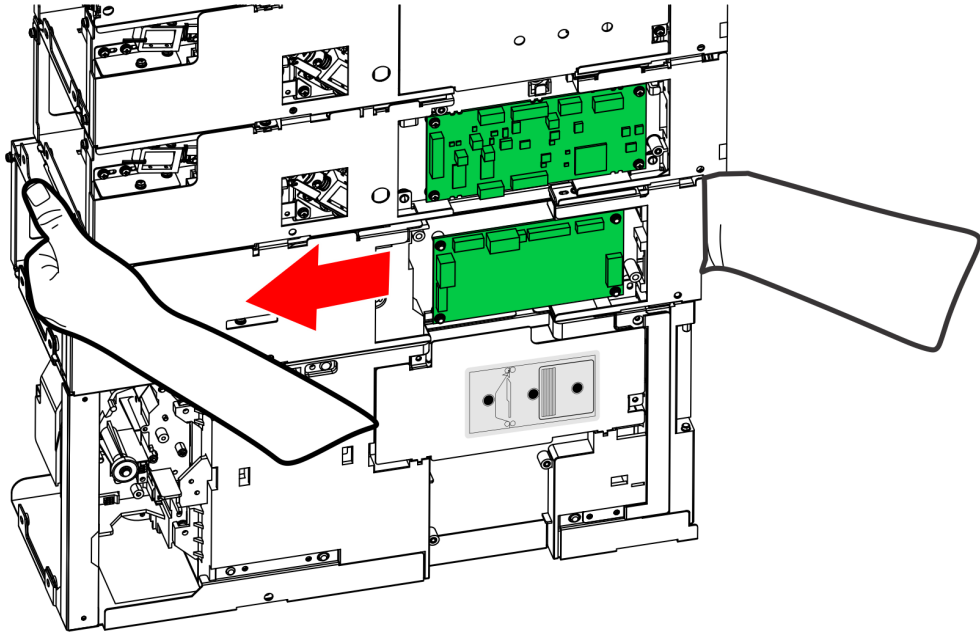
CCP-74565

5. From the back of the GSR50 Note Recycler, The Loader Cassette frame and Recycler frame is secured together by two screws. Remove these two screws.



CCP-74566

6. Remove the Loader Cassette and Notebox (Cashbox) modules out of the Note Recycler by doing the following:
  - a. Disengage the mounting hooks from the bottom of the Recycler frame by using both hands to slide the Loader Cassette and the Notebox (Cashbox) modules to the back of the Note Recycler.



CCP-74567

- b. Pull the Loader Cassette and Notebox (Cashbox) modules out of the recycler frame.



**Caution:** Ensure that the Loader Cassette frame is held by both hands to avoid dropping it.

7. Set aside all removed components (Loader Cassette and Notebox (Cashbox) modules, screws, cables, and PCB cover plates) for future re-installation.

To install the new GSR50 Recycler Module, refer to [Installing GSR50 Recycler Module](#) on the facing page.

## Installing GSR50 Recycler Module

Depending on the existing configuration, do any of the following:

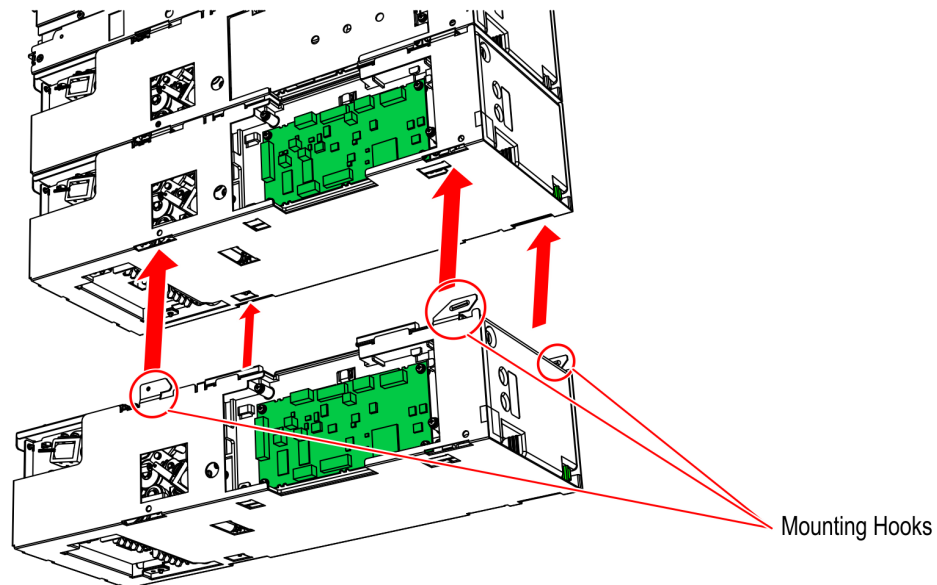
- [\*Installing GSR50 Recycler Module on GSR50 Note Recycler without Loader Module\*](#) on the next page.
- [\*Installing GSR50 Recycler Module on GSR50 Note Recycler Unit with Loader Module\*](#) on page 30. This procedure is only applicable for GSR50 Note Recycler with Loader Cassette Module.



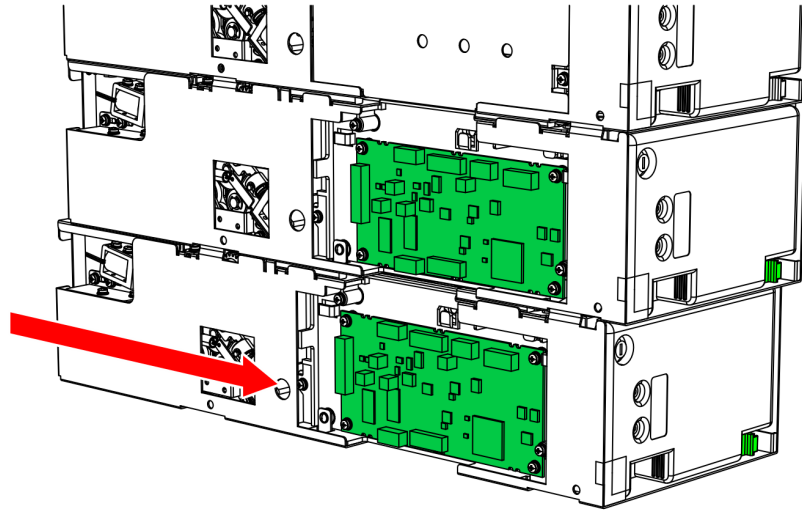
## Installing GSR50 Recycler Module on GSR50 Note Recycler without Loader Module

To install the GSR50 Recycler Module on the GSR50 Note Recycler without a Loader Module, follow these steps:

1. Ensure that the following procedures are done beforehand:
  - a. Unpack and prepare the new GSR50 Note Recycler Module to be installed. For more information, refer to [Unpacking the GSR50 Recycler Module](#) on page 3.
  - b. Purge the notes from each Recycler drum to the Notebox (Cashbox) to ensure that counts of all recycler drums are "0" in Profile Manager Lite (PML). For more information, refer to [Purging Notes from each Recycler Drum to the Notebox \(Cashbox\)](#) on page 4.
  - c. Access the GSR50 Note Recycler. For more information, refer to [Accessing the GSR50 Note Recycler](#) on page 10.
  - d. Remove the Notebox (Cashbox) Module. For more information, refer to [Removing Notebox \(Cashbox\) Module from GSR50 Note Recycler Unit without Loader Cassette Module](#) on page 13.
2. Hook up the new GSR50 Recycler Module frame to the lowest existing Recycler Module frame. Insert the mounting hooks to its corresponding slots.

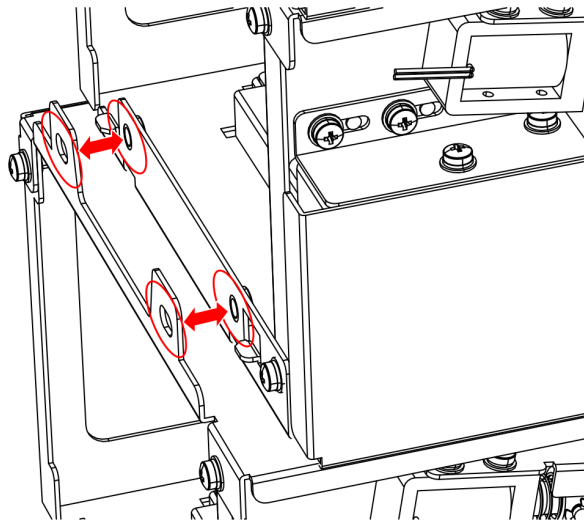


- Slide the GSR50 Recycler Module to the front of the Note Recycler. This engages the mounting hooks of the Recycler frame to the bottom of the other Recycler frame.



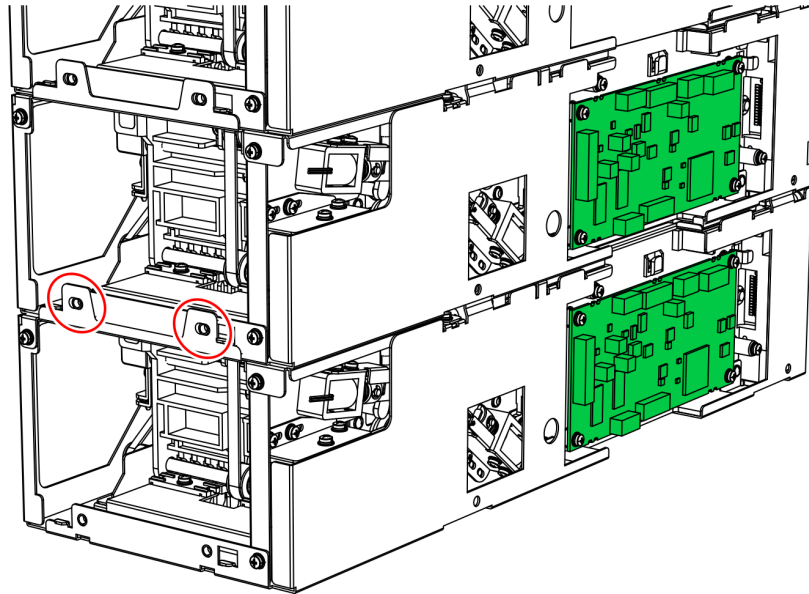
CCP-74569

- Ensure that there is NO gap between the two sets of rear mounting tabs by pushing the lower module as far forward as possible.



CCP-74595

- Secure both Recycler frames with two screws as shown in the image below.

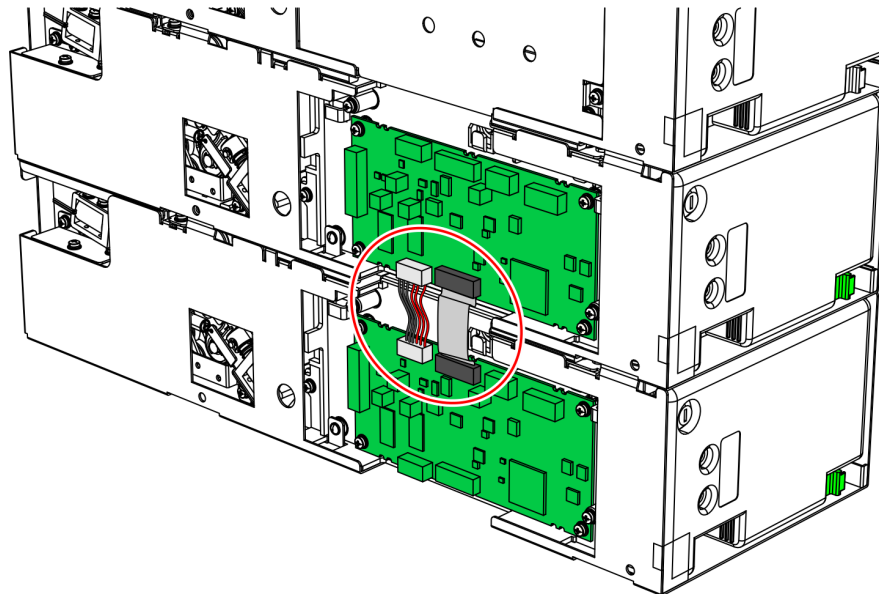


CCP-74570

- Connect the communication and power cables on the PCBs, as shown in the image below.

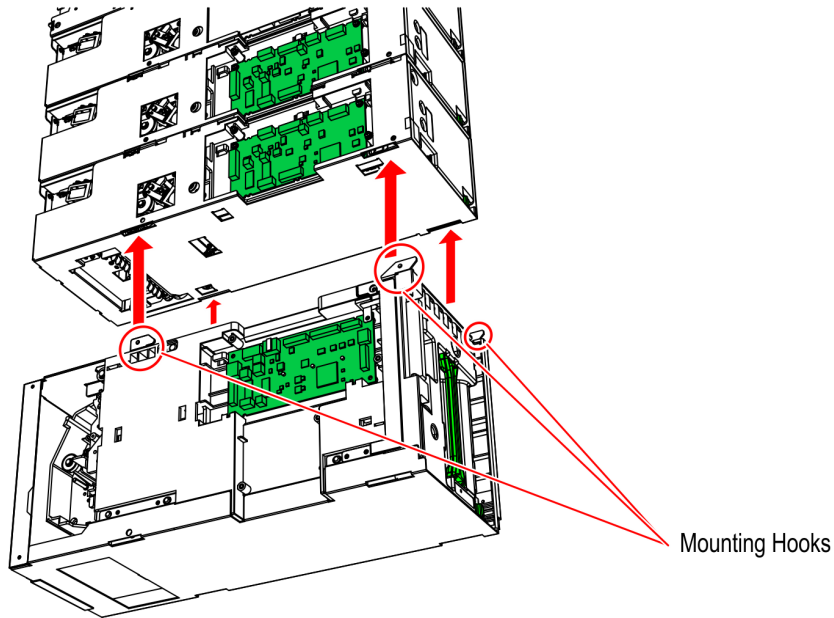


**Note:** In connecting the cables, insert the cables until a "click" sound is heard. It indicates that the cables are properly connected to the PCBs.



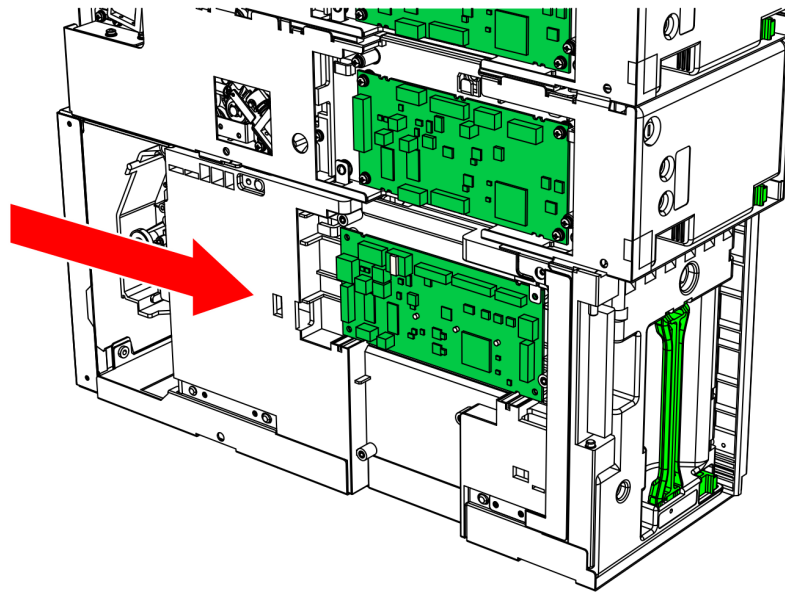
CCP-74571

- Hook up the Notebox (Cashbox) frame to the GSR50 Recycler frame. Insert the mounting hooks to its corresponding slots.



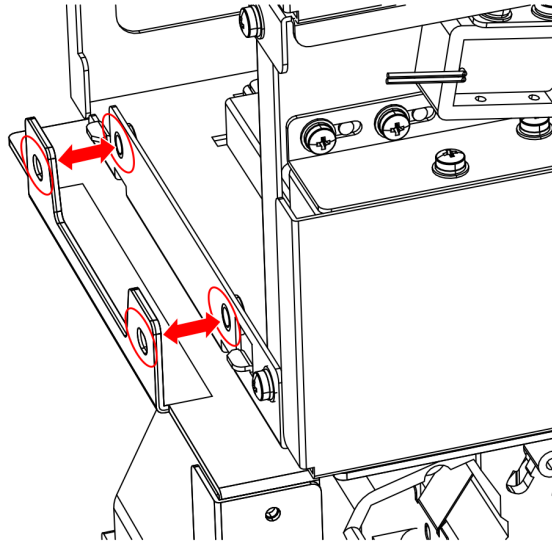
CCP-74572

- Slide the Notebox (Cashbox) to the front of the Note Recycler. This engages the mounting hooks of the Notebox (Cashbox) frame to the bottom of the GSR50 Recycler module frame.



CCP-74573

9. Ensure that there is NO gap between the two sets of rear mounting tabs by pushing the lower module as far forward as possible.

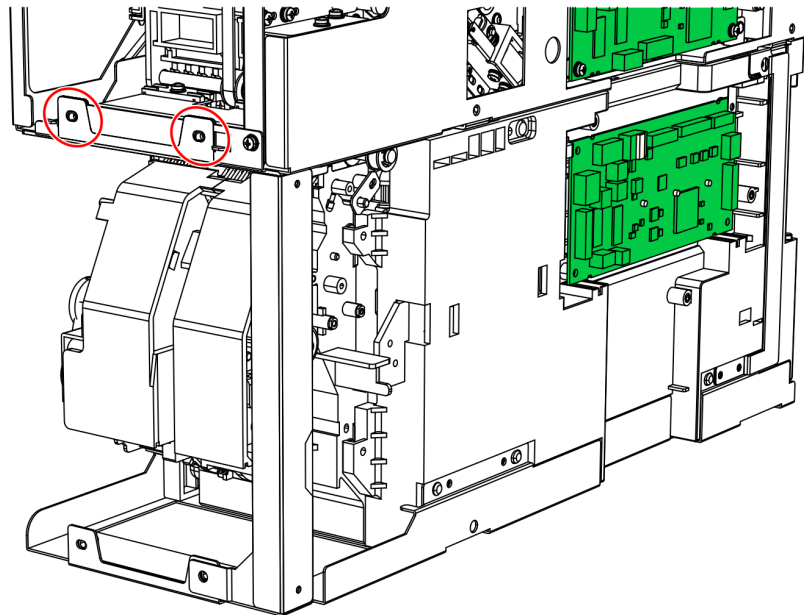


CCP-74596

10. Secure the Notebox (Cashbox) frame to the back of the GSR50 Recycler Module frame using two screws, as shown in the image below.



**Note:** Reuse the two large screws (larger than the PCB cover screws) previously set aside during removal of modules.



CCP-74574

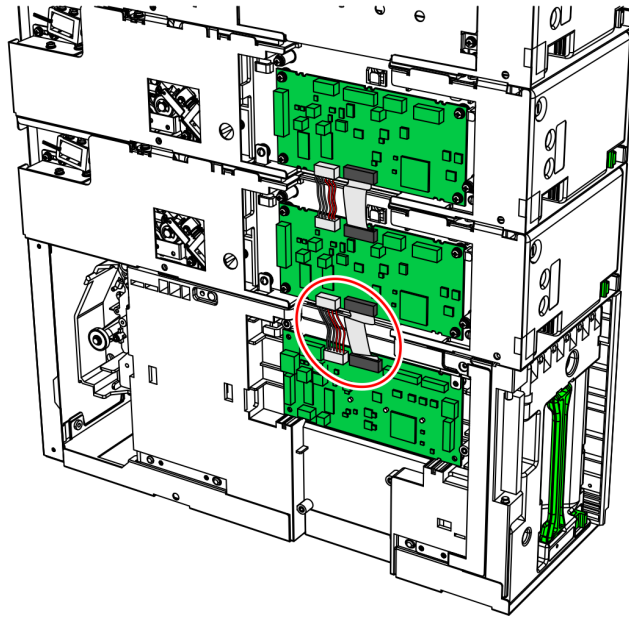
11. Connect the communication and power cables on the PCB as shown in the image below.



**Note:** Reuse the communication and power cables previously set aside during removal of modules.

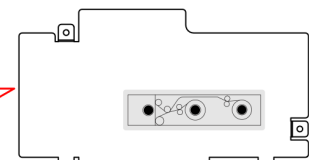
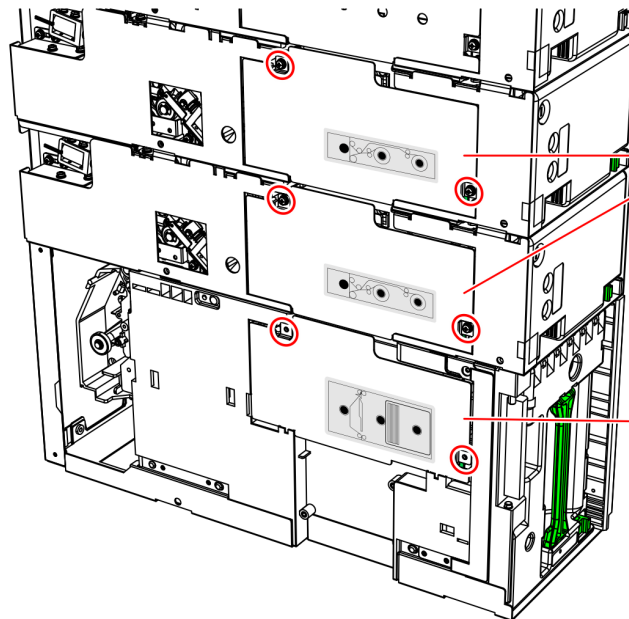


**Note:** In connecting the cables, insert the cables until a "click" sound is heard. It indicates that the cables are properly connected to the PCBs.

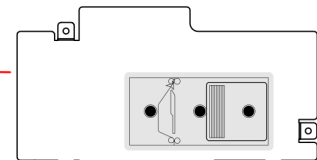


CCP-74575

12. Cover each modules with the appropriate PCB covers and secure using screws as shown in the image below.



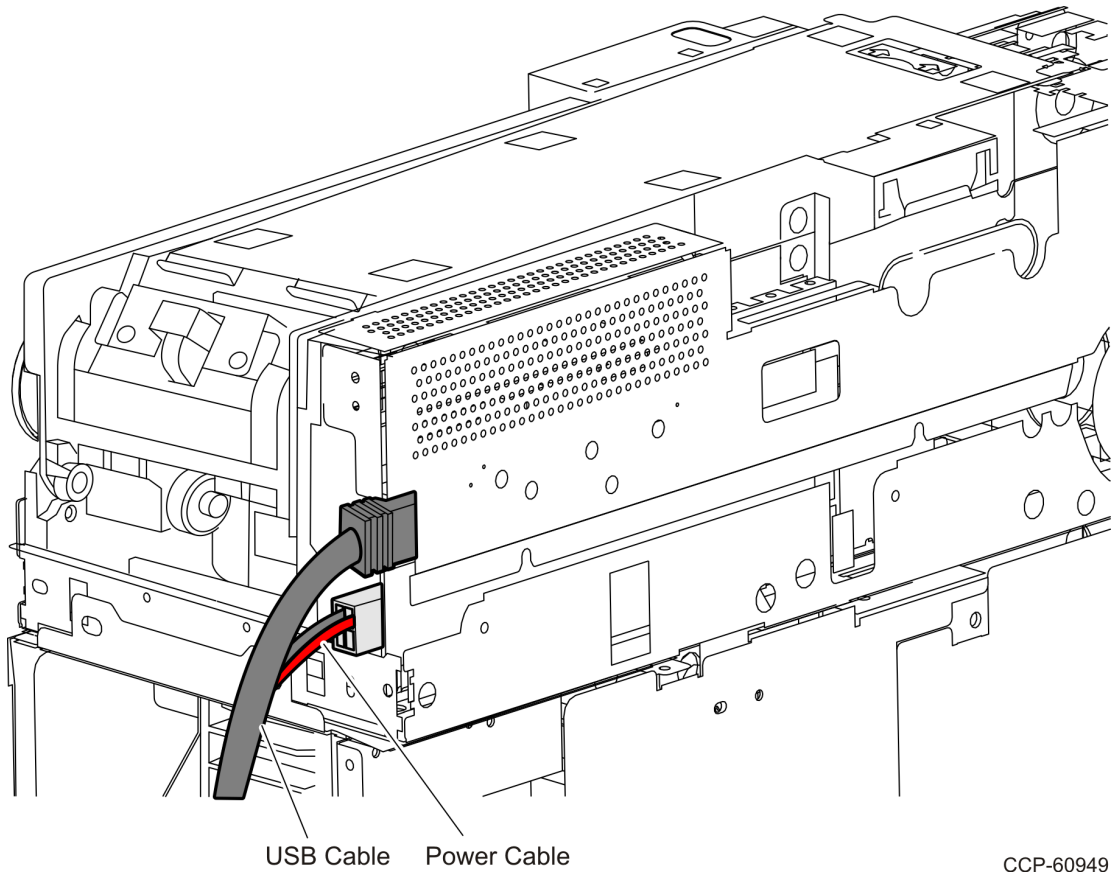
Recycler Module PCB Cover



Notebox (Cashbox) PCB Cover

CCP-74576

13. Reconnect the power and communication cables to the back of the Top (Main) Module.

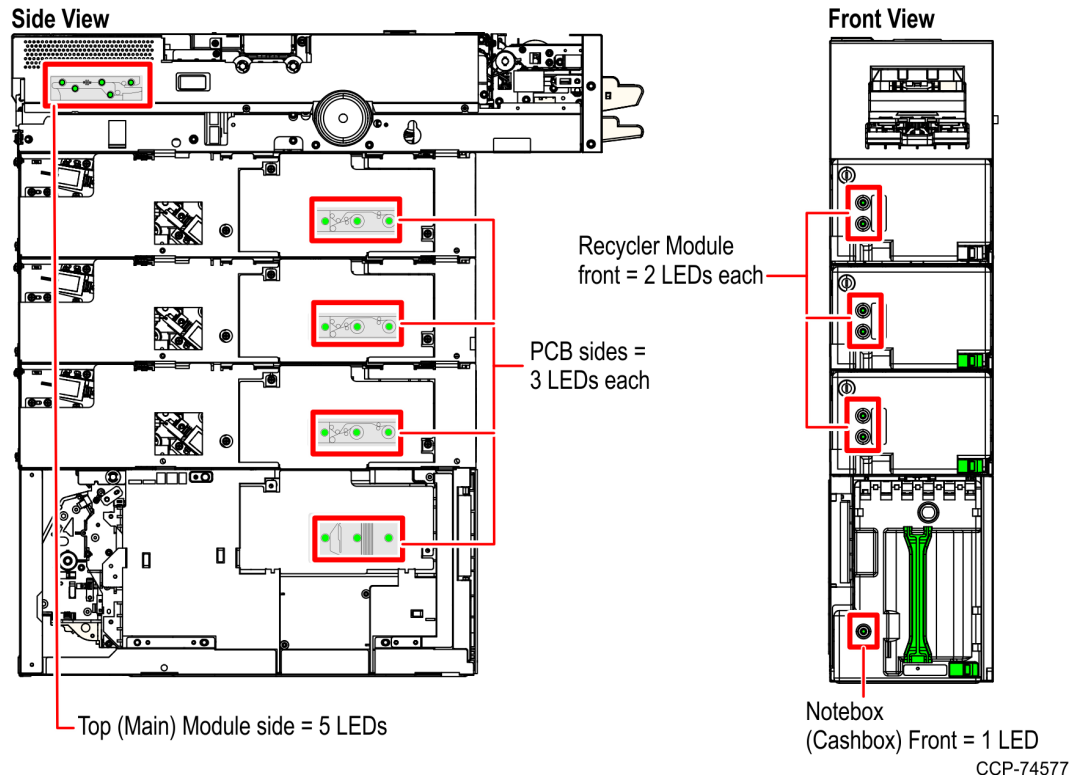


CCP-60949

14. Ensure that all LEDs are green in color on all modules as located in the image below.



**Note:** LEDs flashing is okay as long as they are all green in color. If the LEDs are in different color, refer to [GSR50 Note Recycler Problems](#).



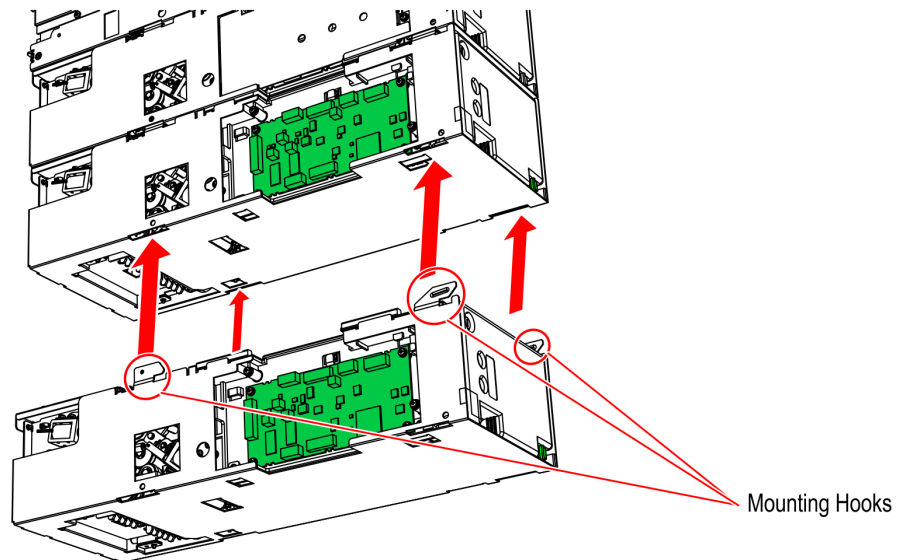
To configure the new GSR50 Recycler Module, refer to [Configuring the GSR50 Recycler Module](#) on page 39.



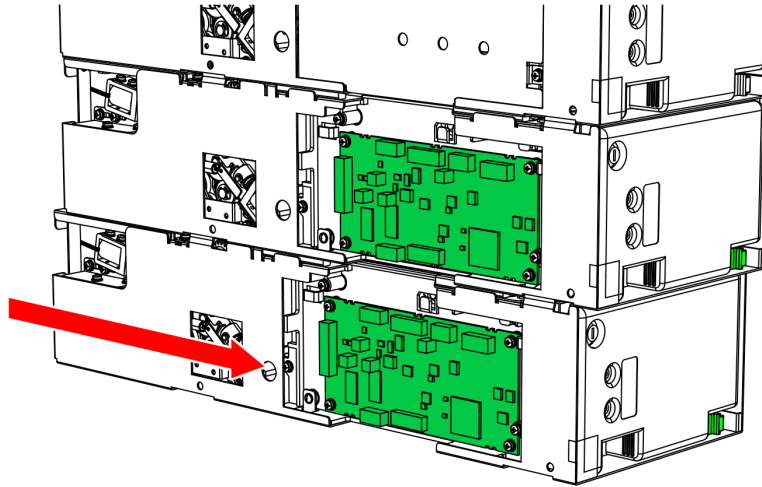
## Installing GSR50 Recycler Module on GSR50 Note Recycler Unit with Loader Module

To install the GSR50 Recycler Module on the GSR50 Note Recycler unit with Loader Module, follow these steps:

1. Ensure that the following procedures are done beforehand:
  - a. Unpack and prepare the new GSR50 Note Recycler Module to be installed. For more information, refer to [Unpacking the GSR50 Recycler Module](#) on page 3.
  - b. Purge the notes from each Recycler drum to the Notebox (Cashbox) to ensure that counts of all recycler drums are "0" in Profile Manager Lite (PML). For more information, refer to [Purging Notes from each Recycler Drum to the Notebox \(Cashbox\)](#) on page 4.
  - c. Access the GSR50 Note Recycler. For more information, refer to [Accessing the GSR50 Note Recycler](#) on page 10.
  - d. Remove the Loader Module and Notebox (Cashbox) Module. For more information, refer to [Removing Loader Cassette Module and Notebox \(Cashbox\) Module](#) on page 17.
2. Hook up the new GSR50 Recycler Module frame to the lowest existing Recycler Module frame. Insert the mounting hooks to its corresponding slots.

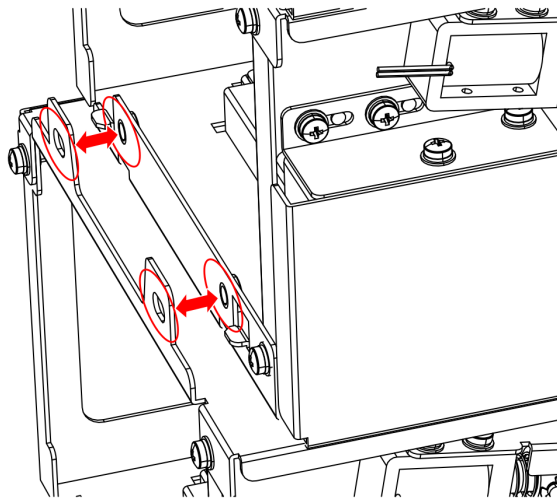


3. Slide the GSR50 Recycler Module to the front of the Note Recycler. This engages the mounting hooks of the Recycler frame to the bottom of the other Recycler frame.



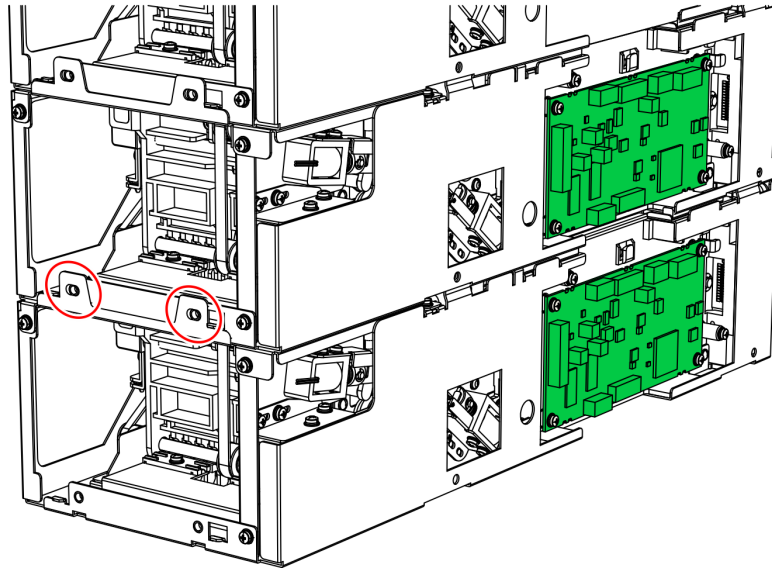
CCP-74569

4. Ensure that there is NO gap between the two sets of rear mounting tabs by pushing the lower module as far forward as possible.



CCP-74595

5. Secure both Recycler frames with two screws as shown in the image below.

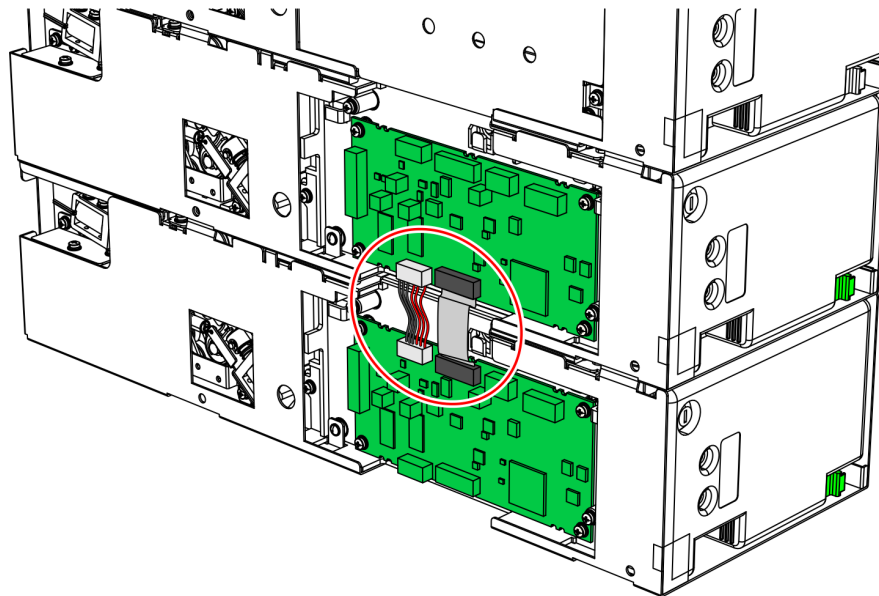


CCP-74570

6. Connect the communication and power cables on the PCBs as shown in the image below.

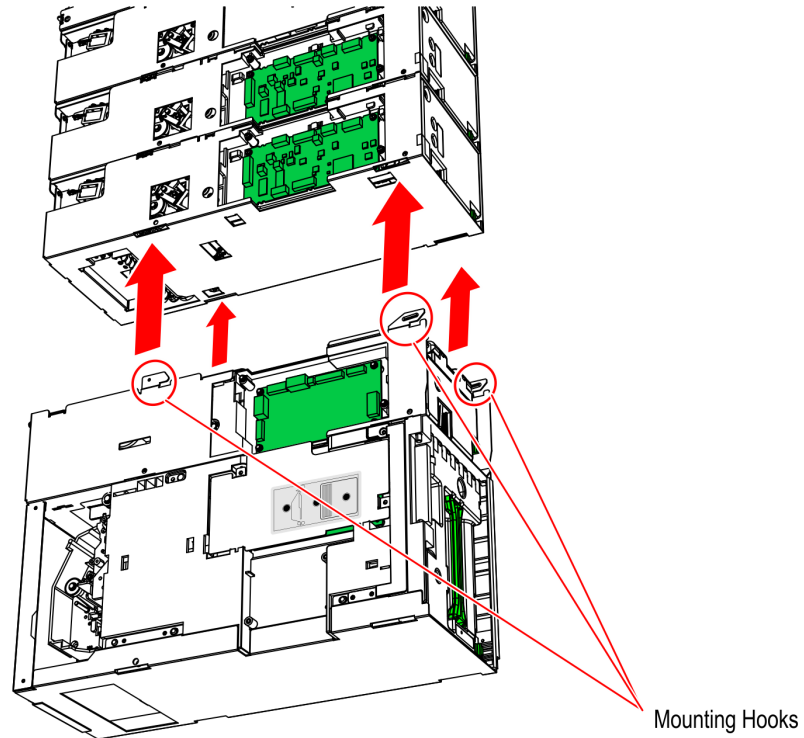


**Note:** In connecting the cables, insert the cables until a "click" sound is heard. It indicates that the cables are properly connected to the PCBs.



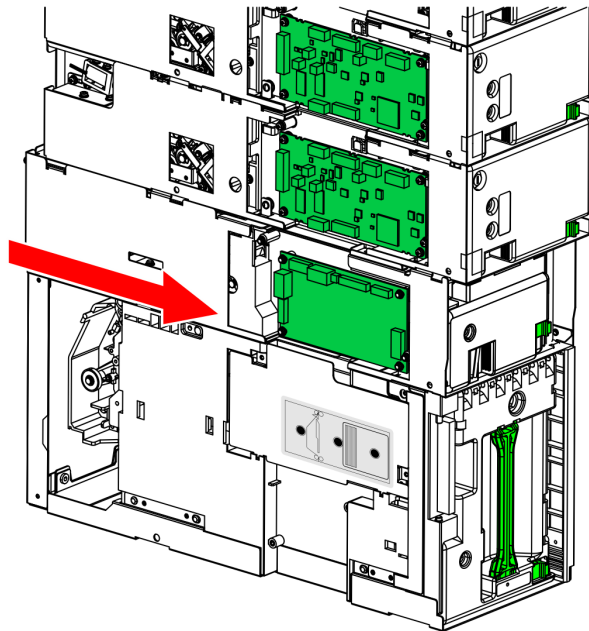
CCP-74571

- Hook up the Loader Cassette frame and Notebox (Cashbox) frame to the GSR50 Recycler frame. Insert the mounting hooks to its corresponding slots.



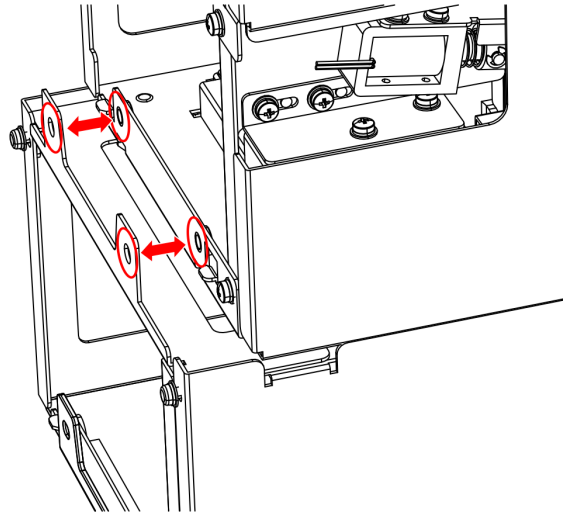
CCP-74578

- Slide the Loader Cassette frame and Notebox (Cashbox) frame to the front of the Note Recycler. This engages the mounting hooks of the Loader Cassette frame and Notebox (Cashbox) frame to the bottom of the GSR50 Recycler module frame.



CCP-74579

9. Ensure that there is NO gap between the two sets of rear mounting tabs by pushing the lower module as far forward as possible.

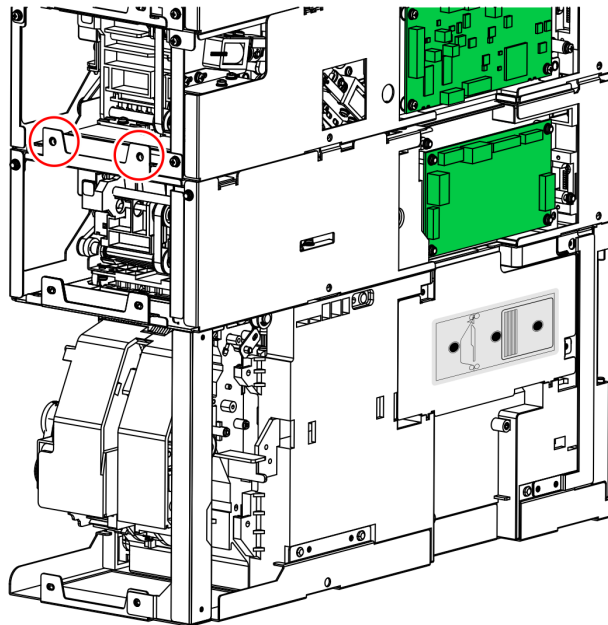


CCP-74597

10. Secure the Loader Cassette frame and Notebox (Cashbox) frame to the back of the GSR50 Recycler module frame with two screws as shown in the image below.



**Note:** Reuse the two large screws (larger than the PCB cover screws) previously set aside during removal of modules.



CCP-74580

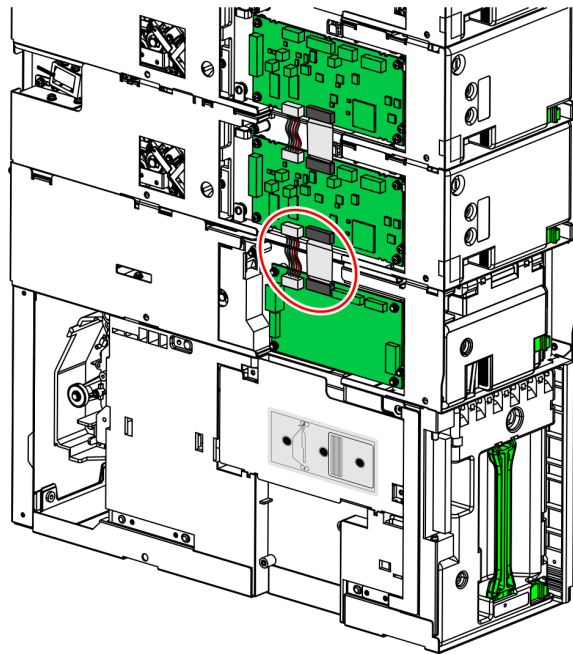
11. Connect the communication and power cables to the PCBs as shown in the image below.



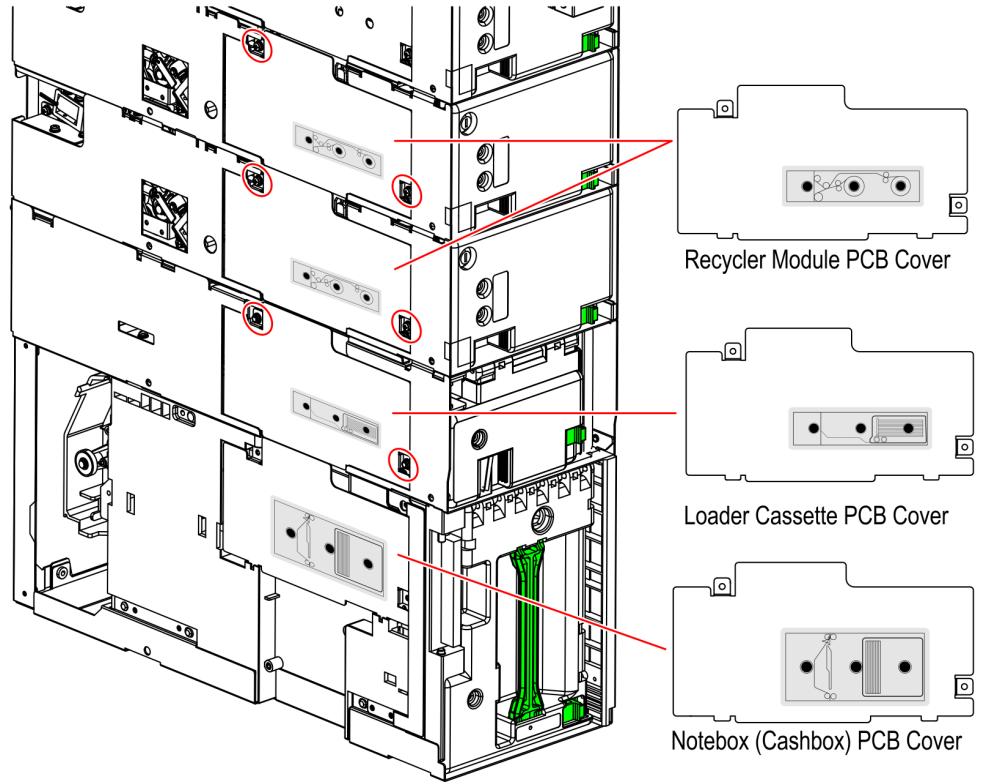
**Note:** Reuse the communication and power cables previously set aside during removal of modules.



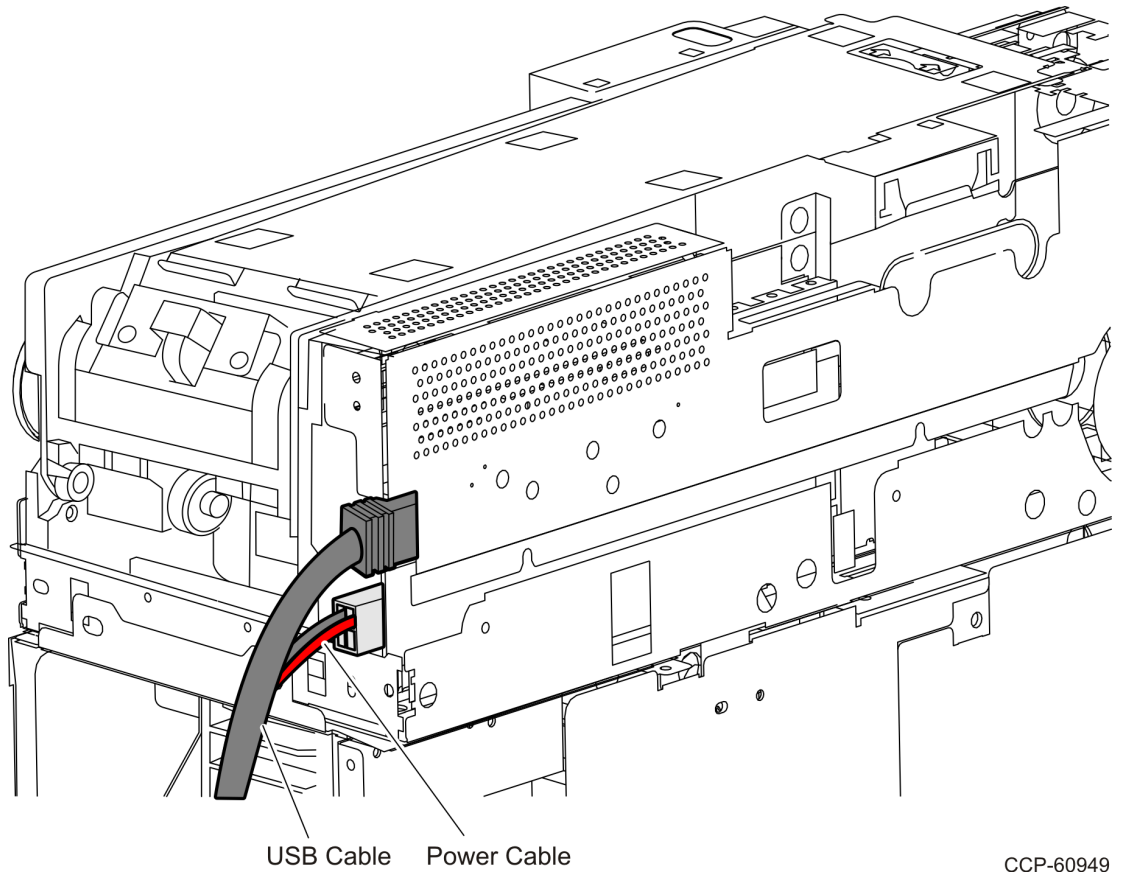
**Note:** In connecting the cables, insert the cables until a "click" sound is heard. It indicates that the cables are properly connected to the PCBs.



12. Cover each modules with the appropriate PCB covers and secure using screws as shown in the image below.



13. Reconnect the power and communication cables to the back of the Top (Main) Module.

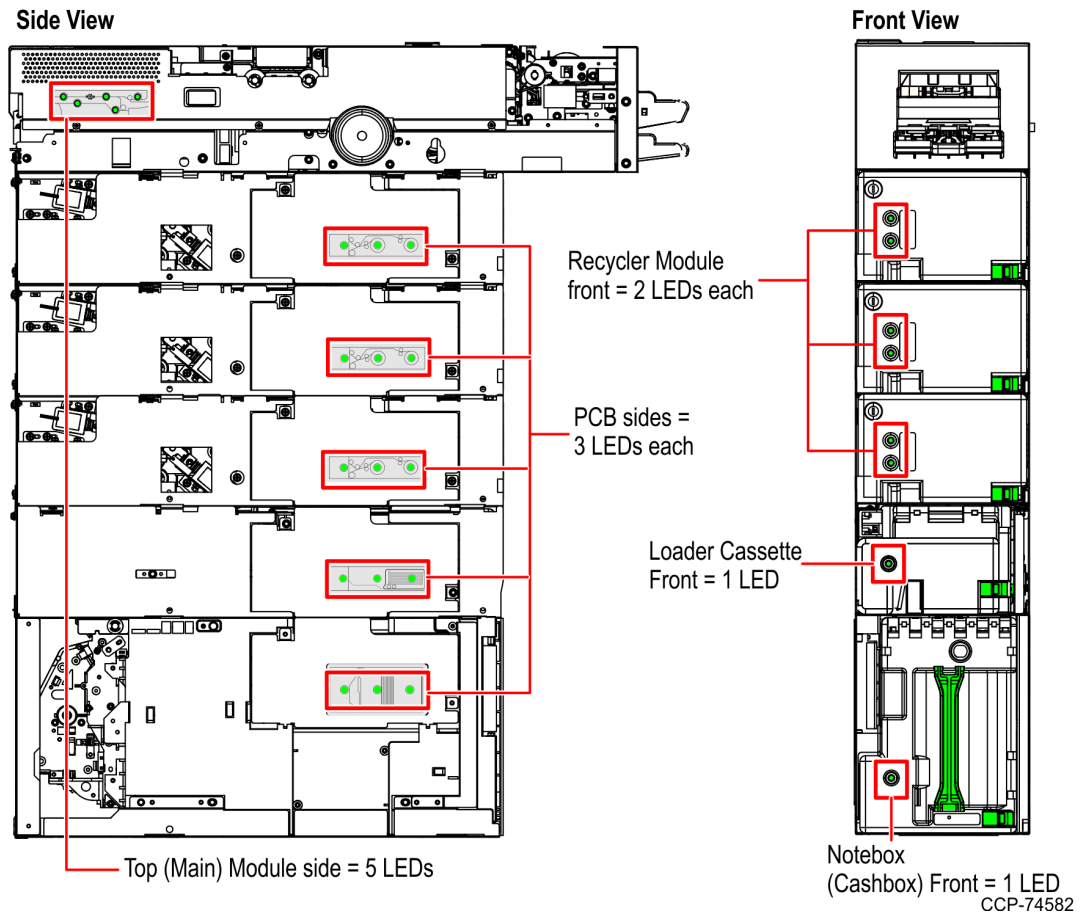




14. Ensure that all LEDs are green in color on all modules as located in the image



**Note:** LEDs flashing is okay as long as they are all green in color. If the LEDs are in different color, refer to [GSR50 Note Recycler Problems](#).



Configure the new GSR50 Recycler Module. For more information, refer to [Configuring the GSR50 Recycler Module](#) on the facing page.

## Configuring the GSR50 Recycler Module

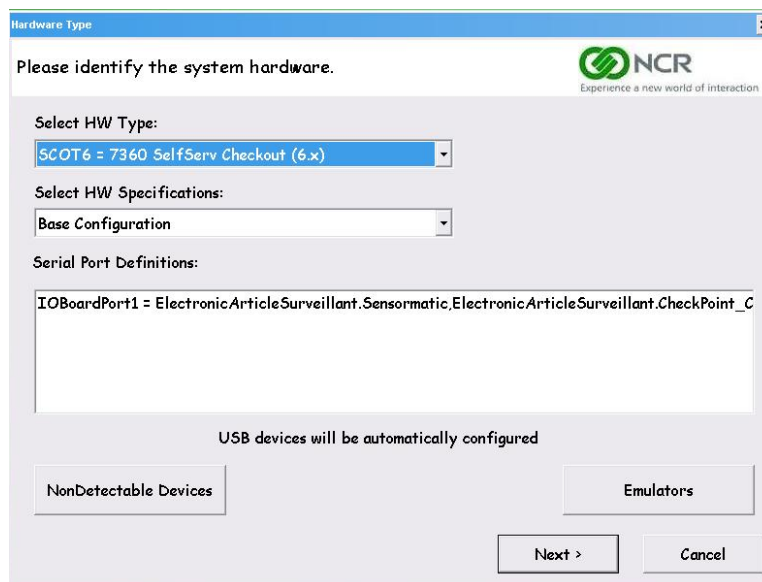
After installing the GSR50 Recycler Module, ensure that it is configured using the CADD application.



**Note:** It is extremely important that the re-assembled GSR50 Note Recycler be reconfigured through the software and functionally tested to ensure that the whole system is in good working order. Configuring the GSR50 Recycler Module and testing GSR50 in Profile Manager Lite (PML) must be completed.

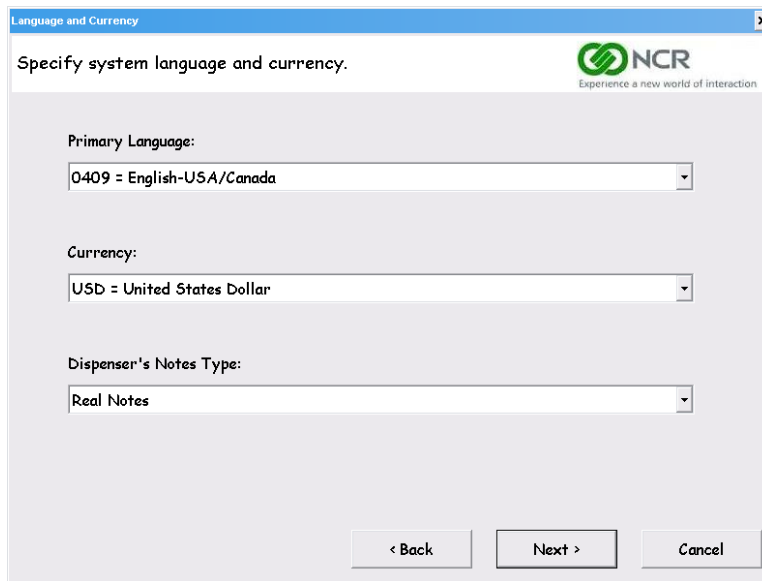
To configure the GSR50 Recycler Module, follow these steps:

1. Open the **CADDConfigure** application from the `C:\scot\bin` directory. The *Hardware Type* window is displayed.



2. Select **SCOT6 = 7360 SelfServ Checkout (6.x)** for the *HW Type*.

3. Select **Next** . *The Language and Currency* window is displayed.



Language and Currency


Specify system language and currency.

Primary Language:  
0409 = English-USA/Canada

Currency:  
USD = United States Dollar

Dispenser's Notes Type:  
Real Notes

< Back    Next >    Cancel

4. Specify the *Primary Language* and *Currency* for the unit by selecting an option from the following drop-down lists:
    - **Primary Language** – the language in which screens and messages display on the unit.
    - **Currency** – the country currency accepted and dispensed by the unit's currency devices.
    - **Note Type** – the type of notes dispensed by the note dispenser.
-  **Note:** Unless the unit is used in a development environment, the *Note Type* is set to **Real Notes**.

5. Select **Next**. The Note Acceptor and Note Dispenser HW Configuration window is displayed.



**Note:** The *Loader* check box is selected by default, uncheck if it is a no loader configuration.



**Note:** To make use of the new recycler module, modify the numbers in the input fields under the *Notes to dispense* section. It is important to increase the number of total denominations dispensed by two in order to make use of both the new recycler drums on the added recycler module.

Note Acceptor and Note Dispenser HW Configuration

Please select notes to accept and/or dispense:

Currency = USD  
Decimal places = 2

Configure Note Acceptor

Configure Note Dispenser

Loader

Enter number of bins per denomination and 0 as disable

Notes to accept:

<input checked="" type="checkbox"/>	100
<input checked="" type="checkbox"/>	200
<input checked="" type="checkbox"/>	500
<input checked="" type="checkbox"/>	1000
<input checked="" type="checkbox"/>	2000
<input checked="" type="checkbox"/>	5000
<input checked="" type="checkbox"/>	10000

Notes to dispense:

<input type="text" value="1"/>	100
<input type="text" value="1"/>	500
<input type="text" value="1"/>	1000
<input type="text" value="0"/>	2000
<input type="text" value="0"/>	5000
<input type="text" value="0"/>	10000

Note: Some of the devices do not support configuring notes (i.e BNR)

< Back    Next >    Cancel

6. Select **Next**. The *Coin Acceptor and Dispenser HW Configuration* window is displayed.

Coin Acceptor and Dispenser HW Configuration

Please select coins to accept and/or dispense:

**NCR**  
Experience a new world of interaction

Currency = USD

Configure Coin Acceptor       Configure Coin Dispenser

Coins to accept:      Coins to dispense:

1       1  
 5       5  
 10       10  
 25       25  
 50       50  
 100       100

Decimal places = 2

< Back      Next >      Cancel

7. Select **Next**. The *Device Specific Options* window is displayed.

Device Specific Options

Select Device specific options.

**NCR**  
Experience a new world of interaction

HWType: SCOT6      Language: 0409

HWSpec:      Currency: USD

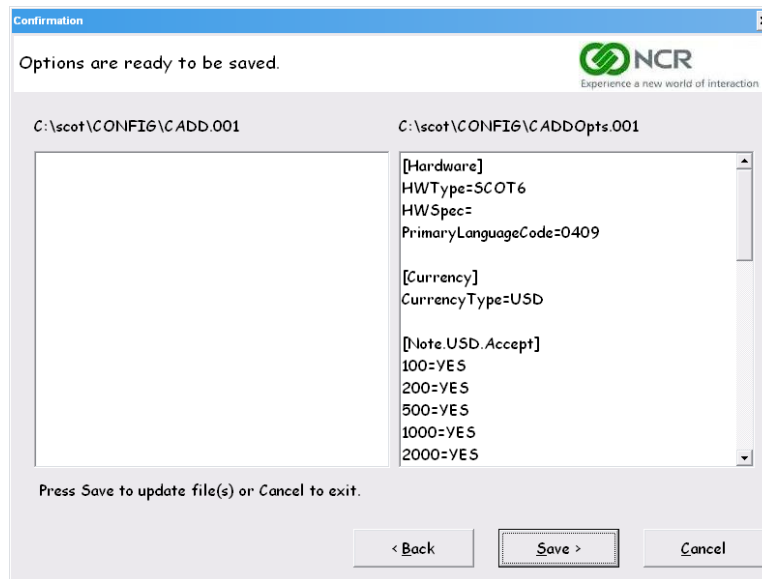
Device: 56xx Note Dispenser      IniModel: AnyModel

Option	Value	Comment
There are no options to show for this selection.		

Add      Delete

< Back      Next >      Cancel

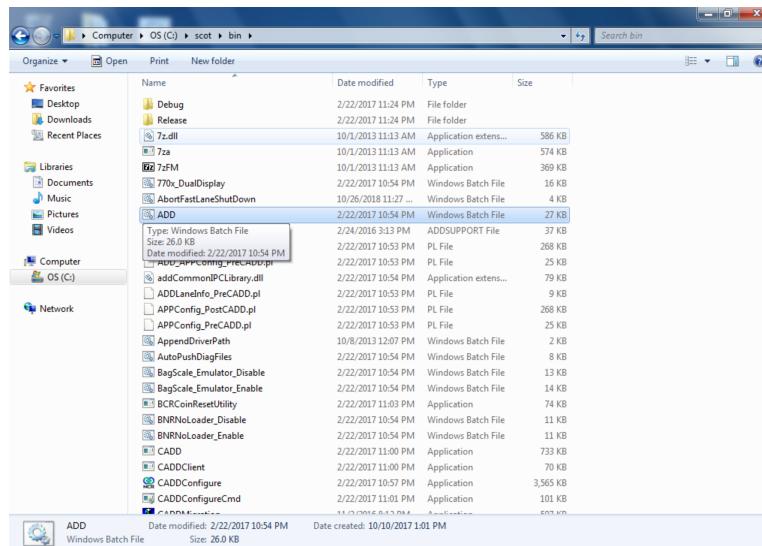
8. Select **Next**. The *Confirmation* window is displayed.



9. Select **Save** to update the files. The application will automatically close.
10. Go to `C:\scot\bin` and double-click **ADD** batch file. The application runs and checks the devices configured with the SelfServ Checkout unit and updates the firmware as necessary. When the process is completed, the application automatically closes.



**Caution:** Do not interrupt the configuration to avoid damaging the device.



Test the GSR50 Recycler Module using Profile Manager Lite (PML). For more information, refer to [Testing GSR50 Recycler Module using Profile Manager Lite \(PML\)](#) on the next page.

## Testing GSR50 Recycler Module using Profile Manager Lite (PML)

To test the GSR50 Recycler Module using PML, follow these steps:

1. Access the PML. For more information, refer to [Accessing the PML](#) on the facing page.
2. Using PML, test the GSR50 Recycler Module functions. For more information, refer to [Testing the GSR50 Recycler Module Functions](#) on page 56.

## Accessing the PML

Depending on the log on method, refer to the following procedures:

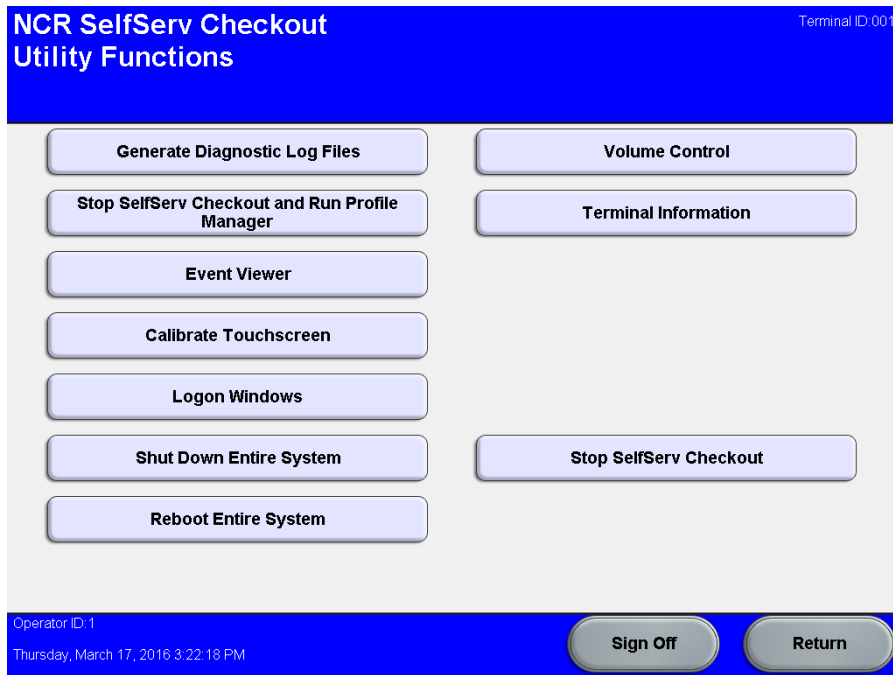
- Logging on to PML using login credentials. For more information, refer to [Logging on to PML using Login Credentials](#) on the next page.
- Logging on to PML using a USB dongle. For more information, refer to [Logging on to PML with a USB dongle](#) on page 49.
- Logging on to PML using an encrypted key. For more information, refer to [Logging on to PML with an encrypted key](#) on page 51.



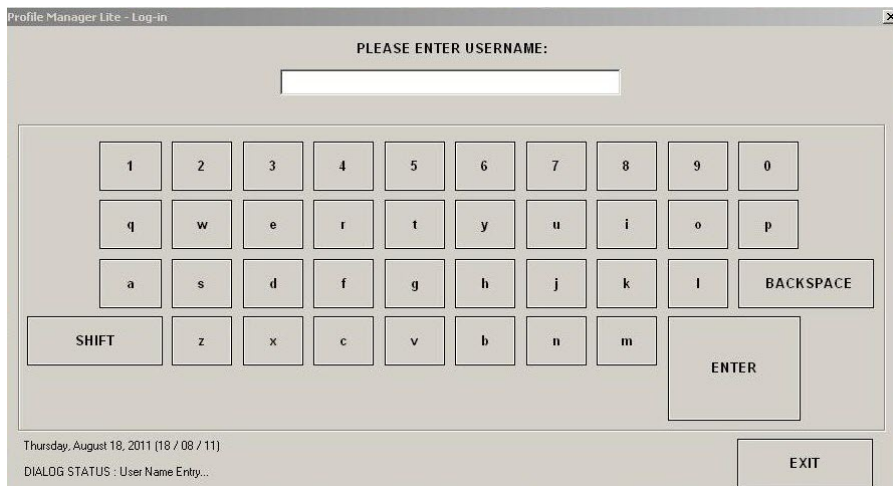
### Logging on to PML using Login Credentials

To log on to PML using login credentials (username and password), follow these steps:

1. Press the **Supervisor Switch** or log on to **Supervisor Mode**.
2. Enter your **ID** and **Password**. The *Utility Functions* screen is displayed.



3. Select **Stop SelfServ Checkout and Run Profile Manager**.
4. Log on to PML. The following login screen is displayed.

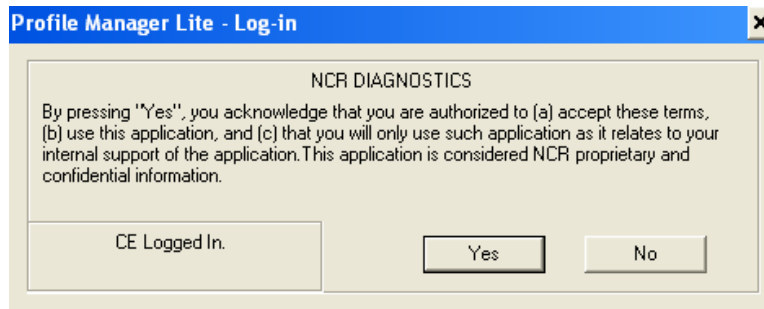


5. In the username field, enter **nccretailer**.

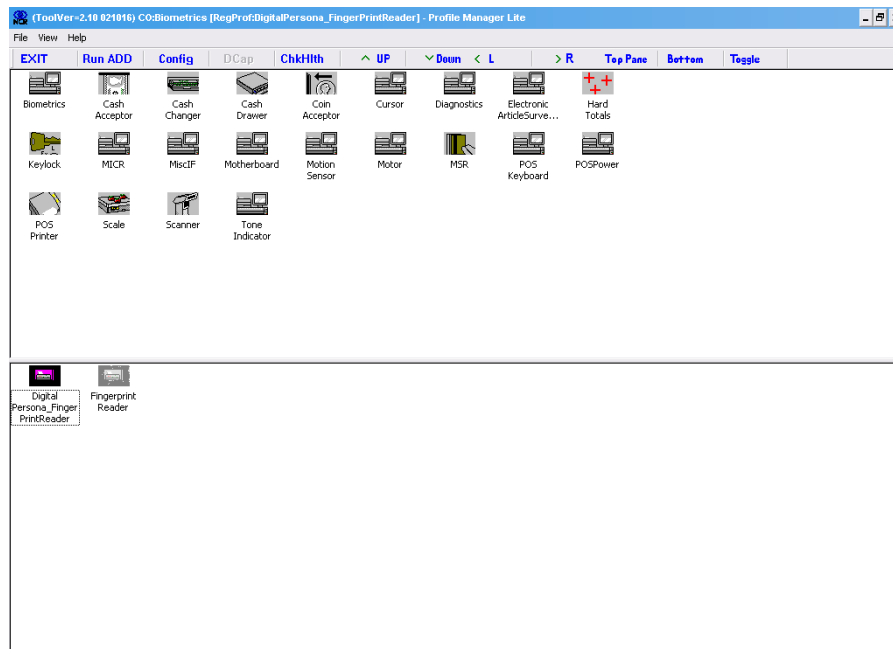
- In the password field, enter **rsm<current month><current day multiplied by 2>**.

**Example:** If the current date is August 14<sup>th</sup>, the password would be "rsm828".

The following screen is displayed.

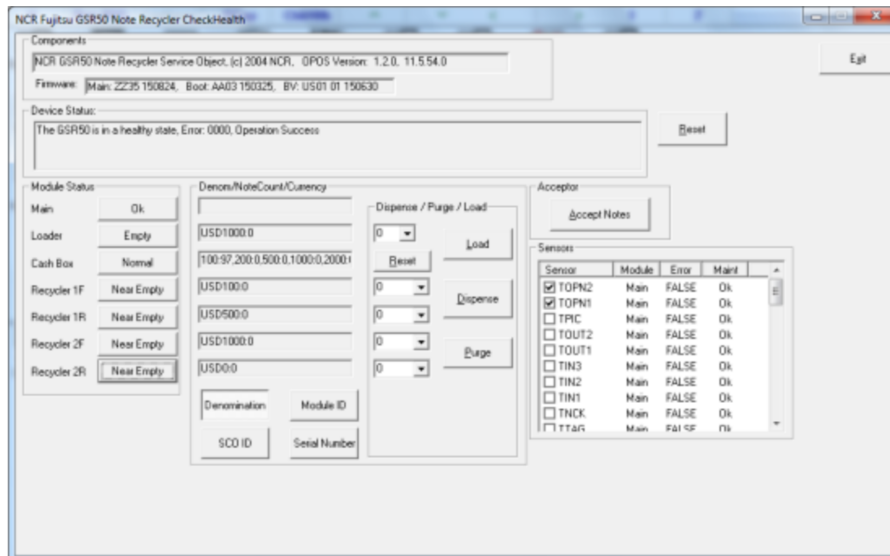


- Select **Yes**. The *Profile Manager Lite* window is displayed.



- From the top section of the PML window, select **Cash Changer**.

9. From the bottom section of the PML window, select **Fujitsu GSR50**. The following window is displayed.



Test the GSR50 Recycler Module functions using PML. For more information, refer to [Testing the GSR50 Recycler Module Functions](#) on page 56.



### Logging on to PML with a USB dongle

**Note:** Upon release to a CE or an authorized person, a USB dongle is valid only for one year. It must then be renewed annually. This expiration and renewal process is required to keep invalid users from using NCR Diagnostics. For information on renewing the USB dongle, refer to the *NCR FastLane SelfServ™ Checkout Profile Manager Lite (PML) User Guide for ADD 3.X (B005-0000-2279)*.

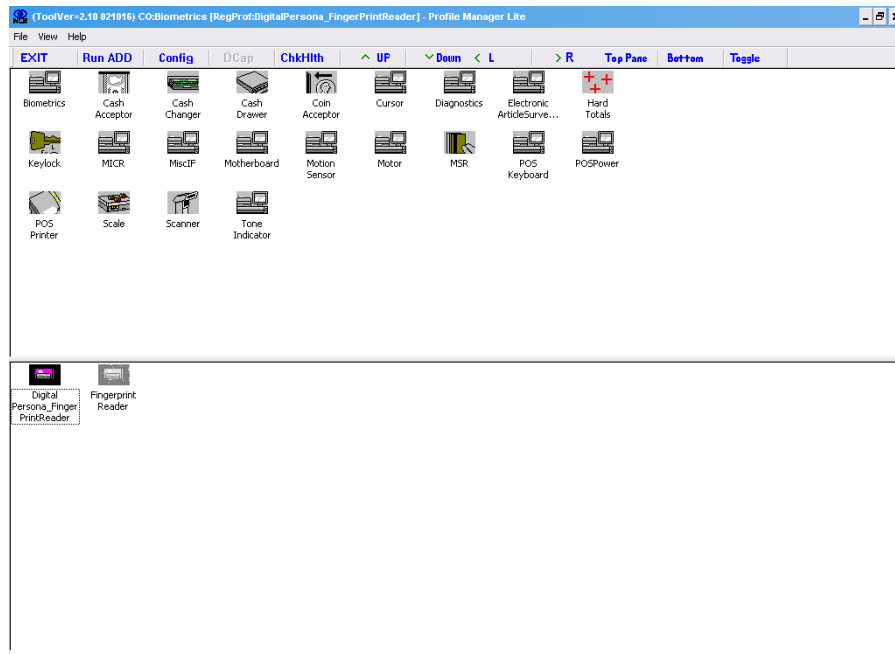
To log on to PML using a USB dongle, follow these steps:

1. Plug the USB dongle into one of the USB ports on the SelfServ Checkout unit where the PML tests will be performed. The following login window is displayed.
2. Press the **Supervisor Switch** or log on to **Supervisor Mode**.
3. Enter your **ID** and **Password**. The *Utility Functions* screen is displayed.
4. Select **Stop SelfServ Checkout and Run Profile Manager**.

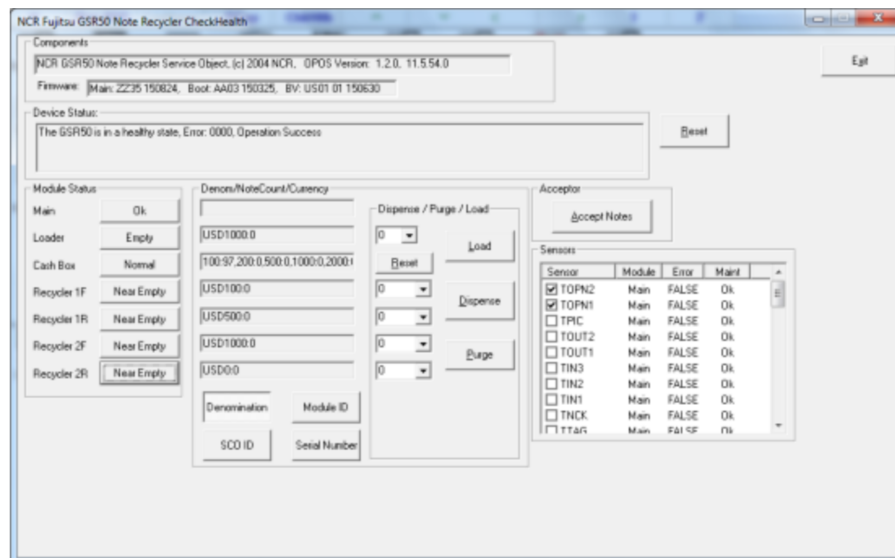
The following login window is displayed.

5. Enter your NCR QuickLook ID. The following screen is displayed.

6. Select **Yes**. The *PML* window is displayed.



7. From the top section of the PML window, select **Cash Changer**.
8. From the bottom section of the PML window, select **Fujitsu GSR50**. The following window is displayed.



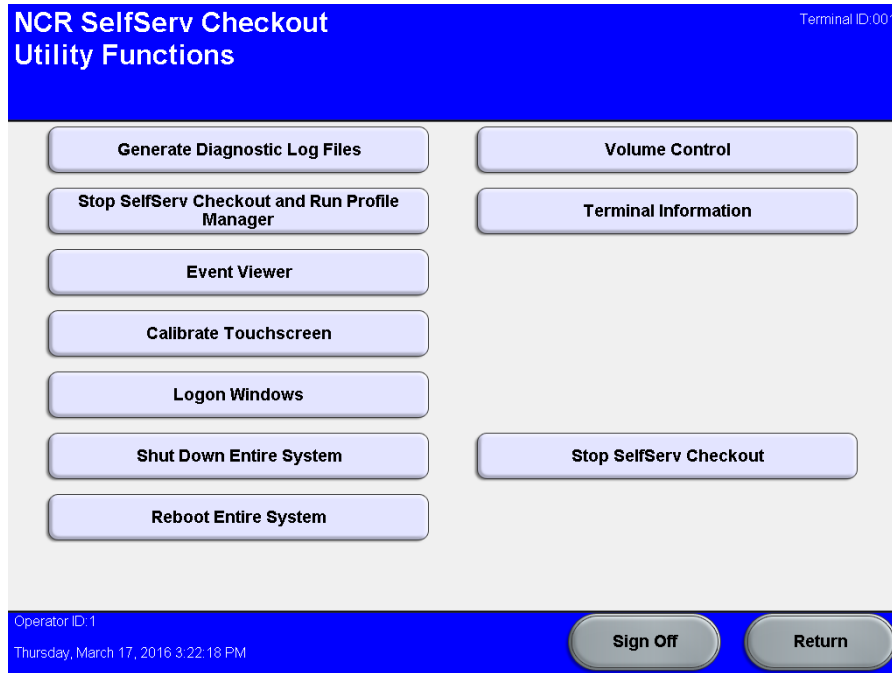
Test the GSR50 Recycler Module functions using PML. For more information, refer to [Testing the GSR50 Recycler Module Functions](#) on page 56.

### Logging on to PML with an encrypted key

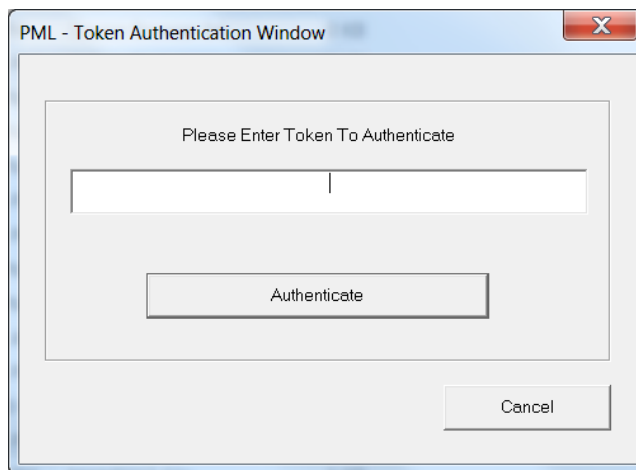
This procedure requires generating an encrypted key using a USB dongle. For more information, refer to [Generating an encrypted key](#) on page 54.

To log on to PML using an encrypted key, follow these steps:

1. Press the **Supervisor Switch** or log on to **Supervisor Mode**.



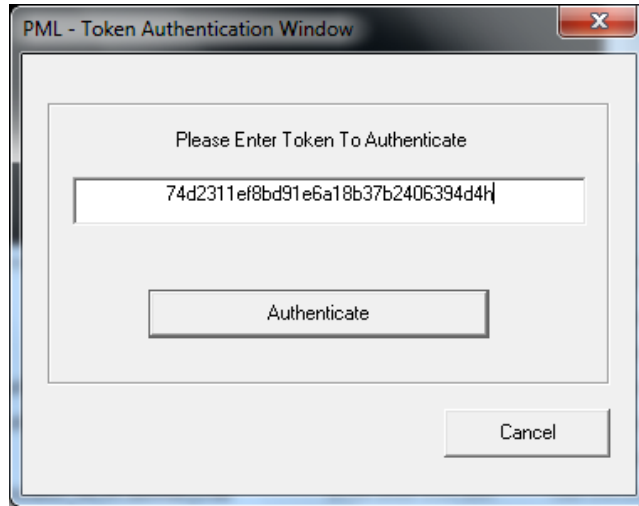
2. Enter your **ID** and **Password**. The *Utility Functions* screen is displayed.
3. Select **Stop SelfServ Checkout and Run Profile Manager**. The system detects that a USB dongle is not plugged in. The *PML - Token Authentication* window is displayed.



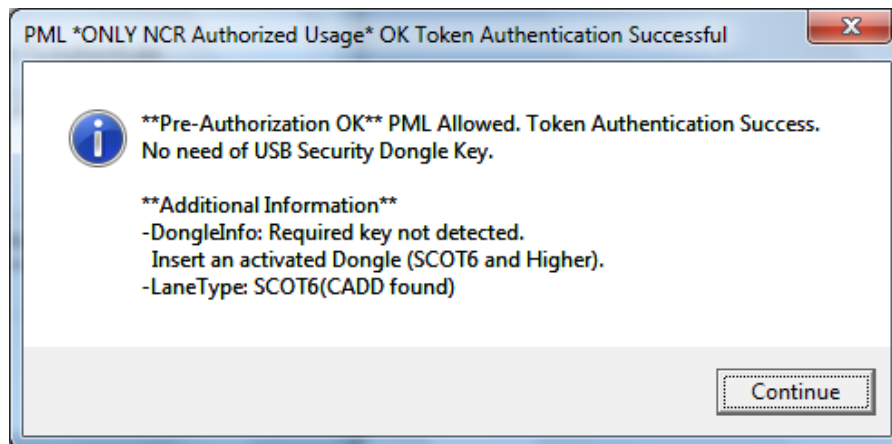
4. Enter the encrypted key that is generated from the PML Remote Key Generator Tool. For more information, refer to the *NCR FastLane SelfServ™ Checkout Profile Manager Lite (PML) User Guide for ADD 3.X (B005-0000-2279)*.



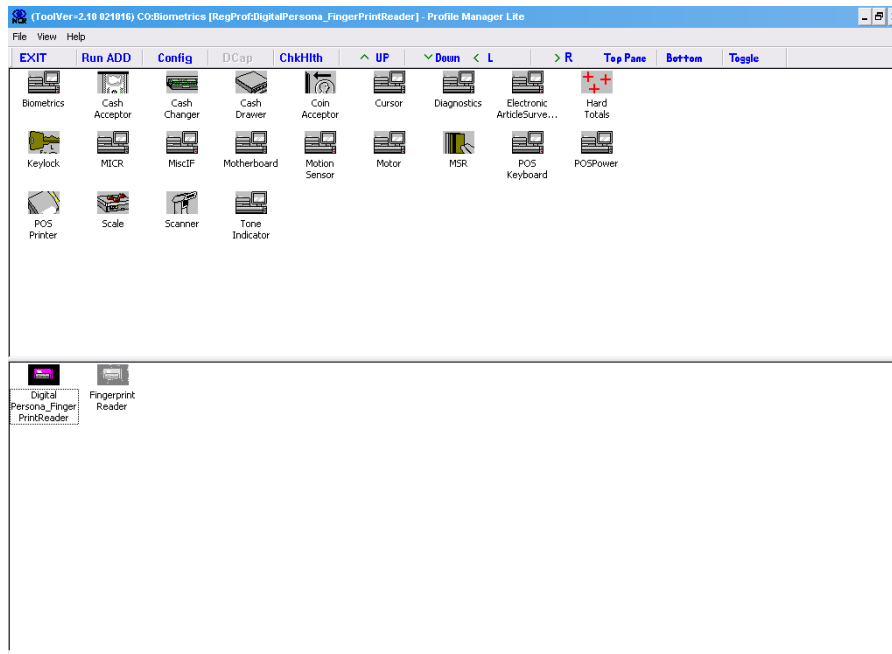
**Note:** Make sure the encrypted key is not expired. If the key is expired, generate another key.



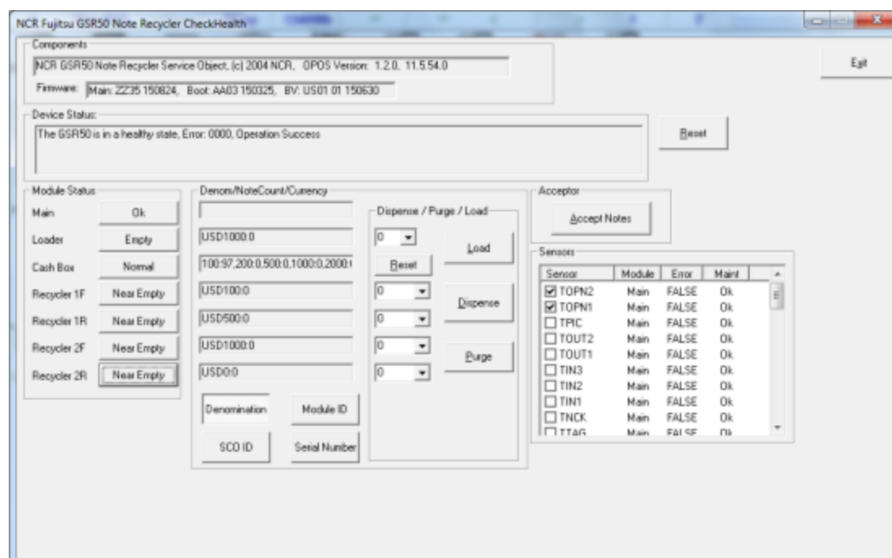
5. Select **Authenticate**. The PML application validates the key. If the key is valid, the following message is displayed.



6. Select **Continue**. The *PML* window is displayed.



7. From the top section of the PML window, select **Cash Changer**.
8. From the bottom section of the PML window, select **Fujitsu GSR50**. The following window is displayed.



Test the GSR50 Recycler Module functions using PML. For more information, refer to [Testing the GSR50 Recycler Module Functions](#) on page 56.



### ***Generating an encrypted key***

To generate an encrypted key, follow these steps:

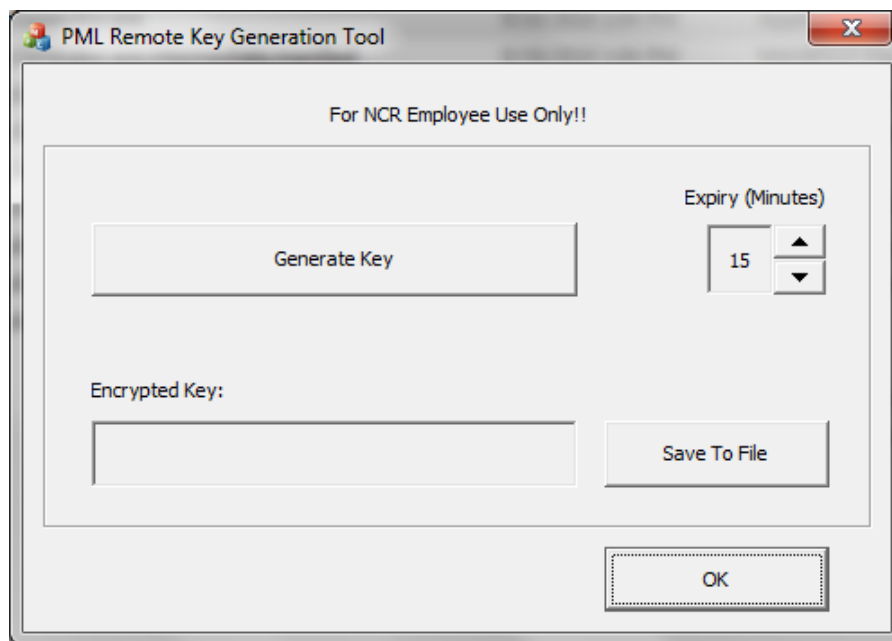
1. Plug a USB dongle into one of the USB ports on the computer.



**Note:** Make sure the USB dongle is valid and unexpired.

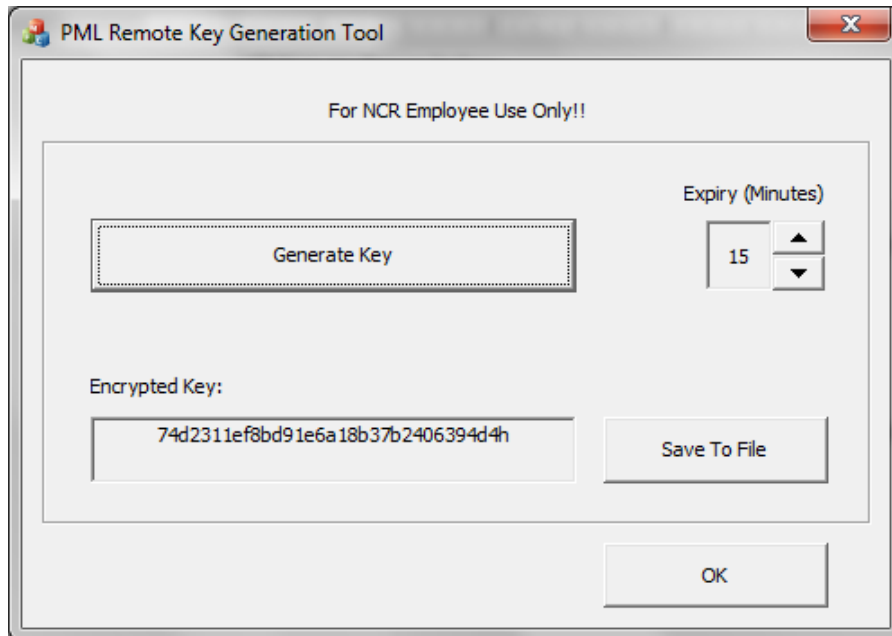
2. Double-click the PML Remote Key Generator Tool. If the following are true, the PML Remote Key Generation Tool window is displayed.

- The dongle authentication library file exists in the same location of the tool.
- The USB dongle is plugged in.
- The USB dongle is not expired.



3. Set the expiration limit of the encrypted key in the Expiry (Minutes) spin box. The default value is 15 minutes. The maximum value that can be set is 60 minutes.

4. Select **Generate Key**. The encrypted key is displayed in the Encrypted Key field.



5. To save the key, do one of the following:
  - Highlight the encrypted key text and then press CTRL + C from the keyboard.
  - Select the **Save To File** button, and then browse for the location where the file will be saved.

The default file name is PMLRemoteKey.txt. Change the file name if needed.

## Testing the GSR50 Recycler Module Functions

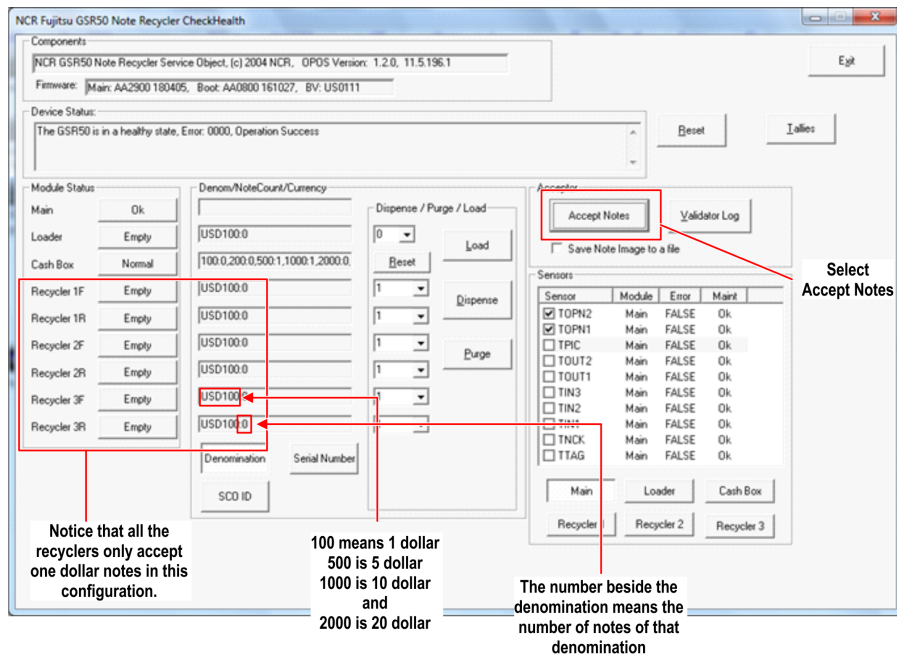
To test the GSR50 Recycler Module functions using PML, do the following:

1. [Accepting Notes into each Recycler Drum](#), on the facing page.
2. [Dispensing Notes from each Recycler Drum to the Exit Slot](#), on page 58.
3. [Purging Notes from each Recycler Drum to the Notebox \(Cashbox\)](#) on page 62.
4. [Replenishing Notes from the Loader Cassette to the Recycler Drum](#) on page 65. This procedure is only applicable for GSR50 Note Recycler with Loader Cassette Module.
5. [Removing Notes from the Notebox \(Cashbox\)](#) on page 69.

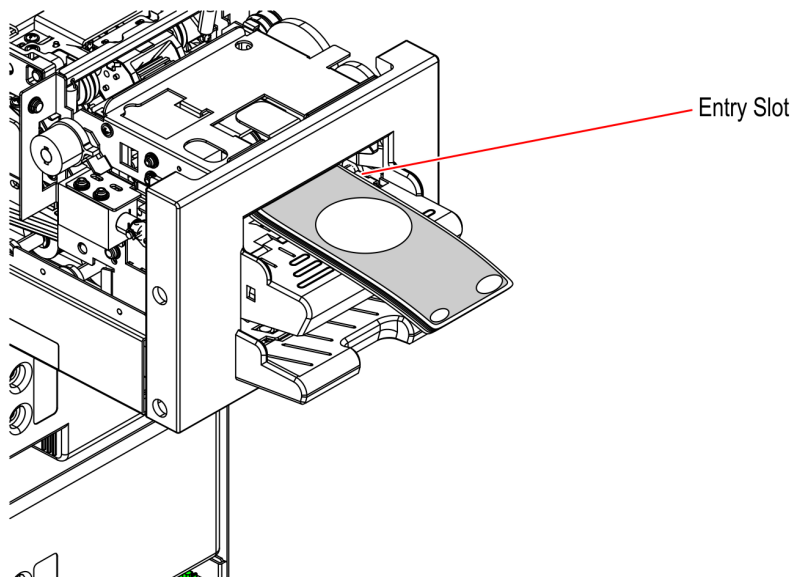
## Accepting Notes into each Recycler Drum.

To accept a note into each Recycler drum, follow these steps:

- From the Fujitsu GSR50 window, select **Accept Notes**.



- As shown in the image below. Insert the notes into the *Entry Slot* of the Note Acceptor.



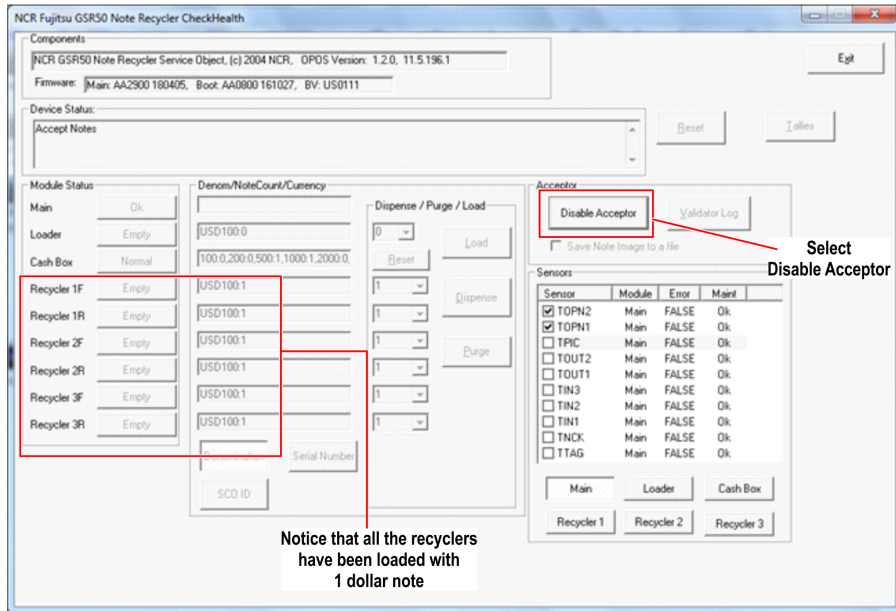
CCP-74584

To dispense the notes from the Recycler drum to the exit slot, refer to [Dispensing Notes from each Recycler Drum to the Exit Slot](#), on the next page.

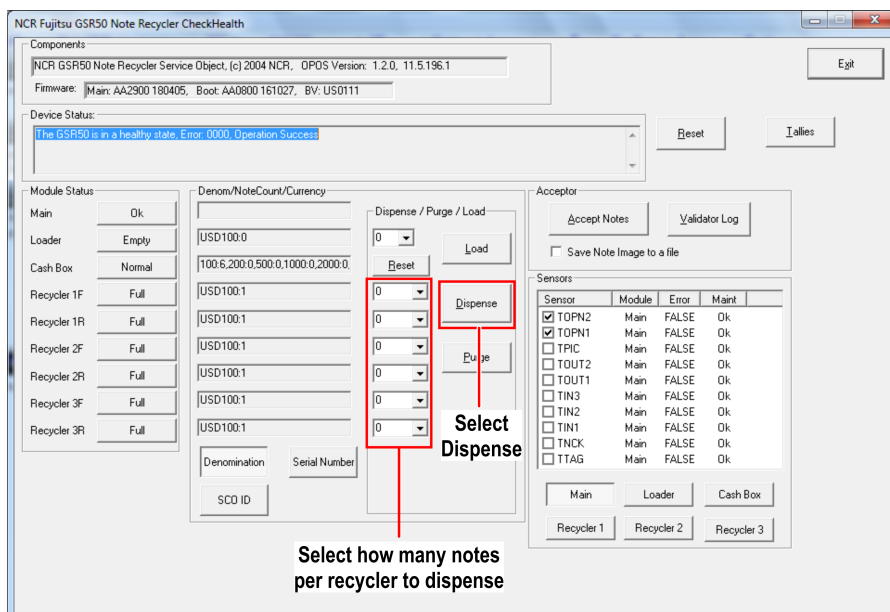
### Dispensing Notes from each Recycler Drum to the Exit Slot.

Now that the bills have been loaded to the recycler, try to dispense the notes from the Recycler. To dispense a note from each Recycler drum to the exit, follow these steps:

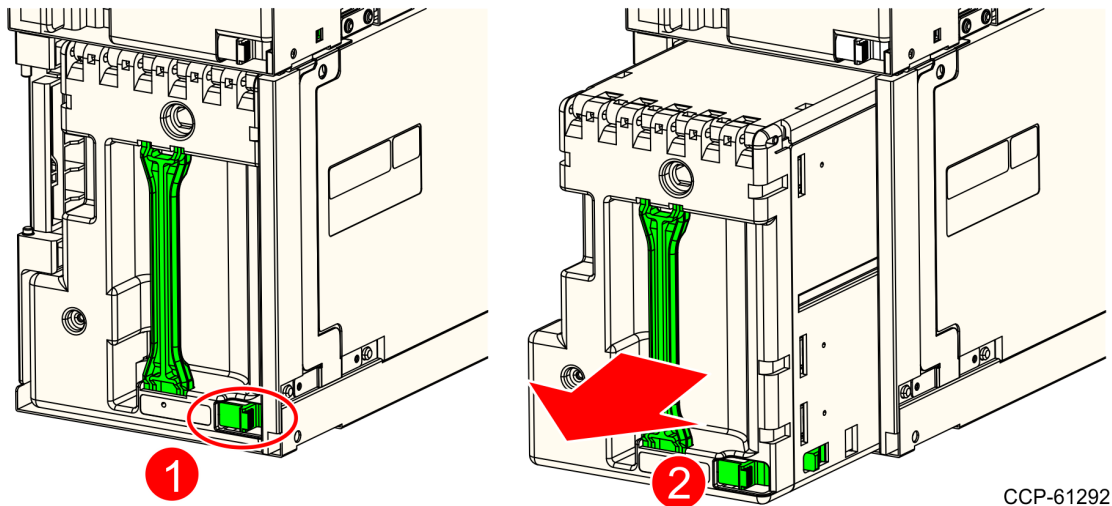
1. From the Fujitsu GSR50 window, select **Disable Acceptor**.



2. From the *Dispense/Purge/Load* drop-down list under *Recycler*, select how many notes per recycler to dispense then select **Dispense**. The *Remove the Cash Box Verification* window is displayed.

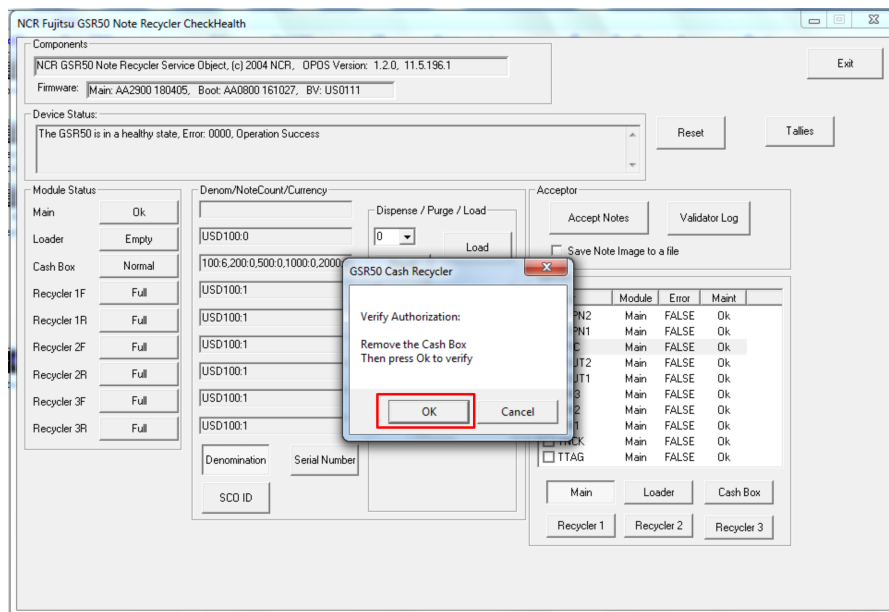


- Remove the Notebox (Cashbox) Module by moving the green latch to the left and then pulling the Notebox (Cashbox) Module from the chassis, as shown in the image below.

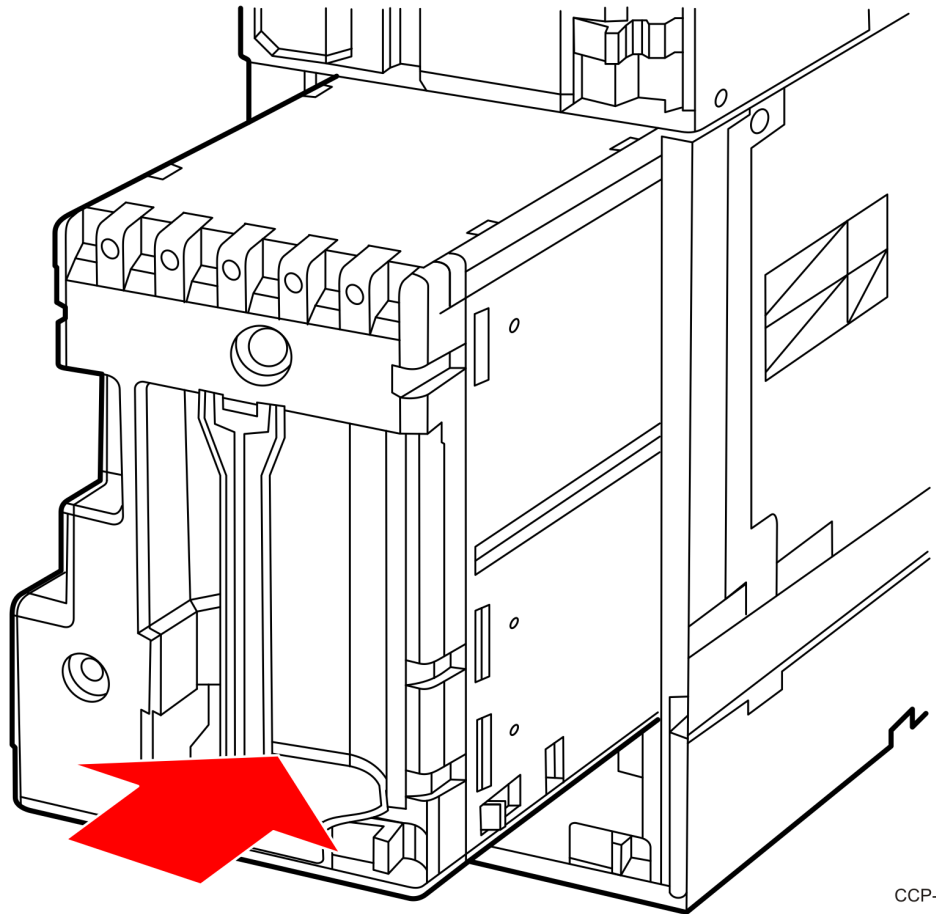


CCP-61292

- In the Remove the Cash Box Verification window, Select **OK** to verify that the Notebox (Cashbox) Module has been removed. The *Re-insert the Cash Box and lock the Cabinet* window is displayed.

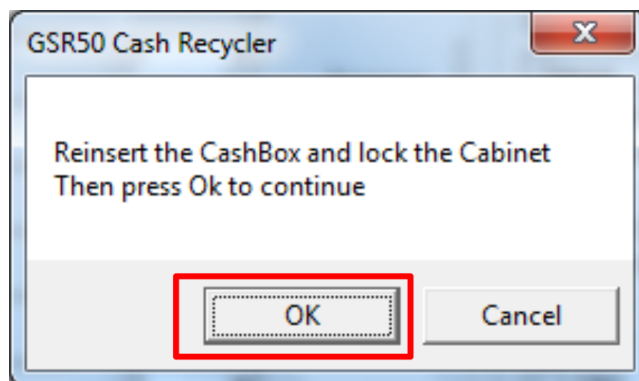


5. Re-insert and then push the Notebox (Cashbox) Module into the corresponding frame until it snaps in place.

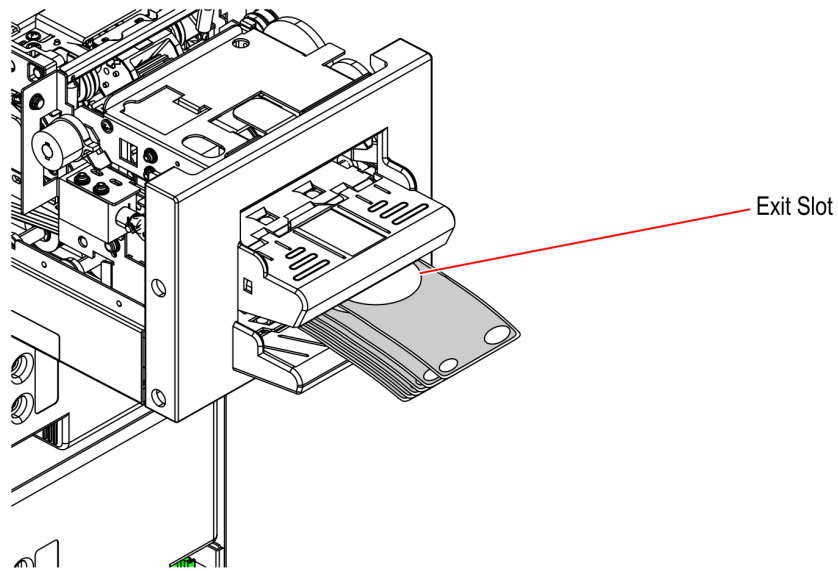


CCP-61340

6. On the Reinsert the CashBox and lock the Cabinet window, select **OK** to verify that the Notebox (Cashbox) has been inserted back to the GSR50 Note Recycler.



7. Remove the notes from the *Exit Slot* of the Note Acceptor.



CCP-74585

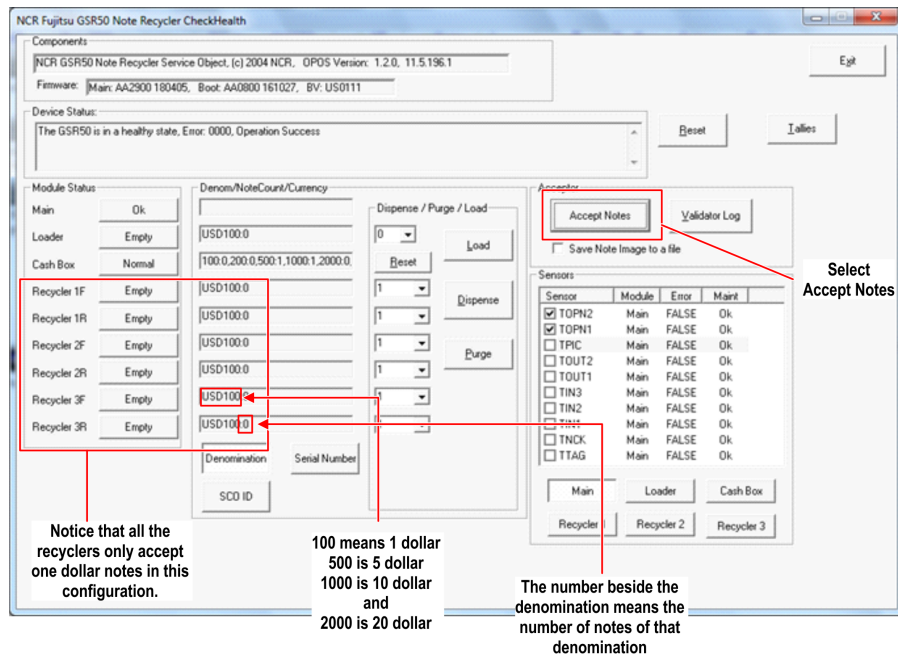
To purge the note from each *Recycler drum* to the *Notebox (Cashbox)*, refer to [Purging Notes from each Recycler Drum to the Notebox \(Cashbox\)](#) on the next page.



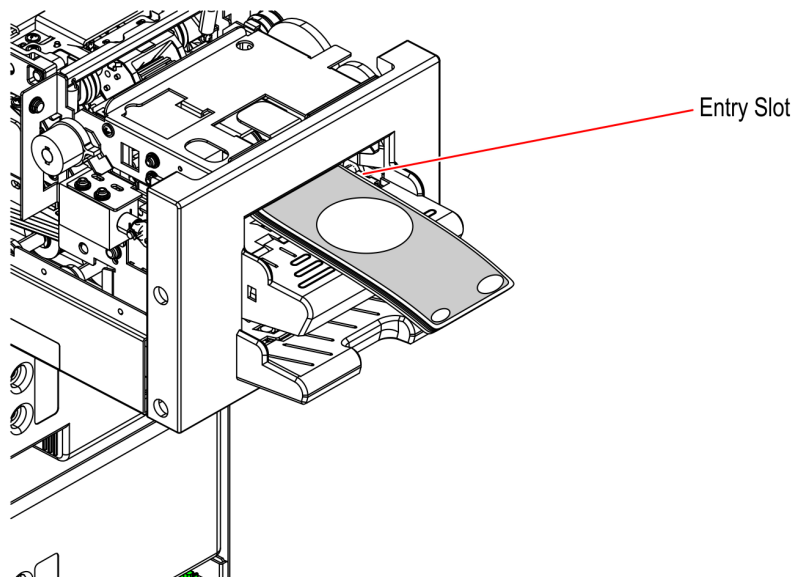
## Purging Notes from each Recycler Drum to the Notebox (Cashbox)

To purge a note from each Recycler drum, follow these steps:

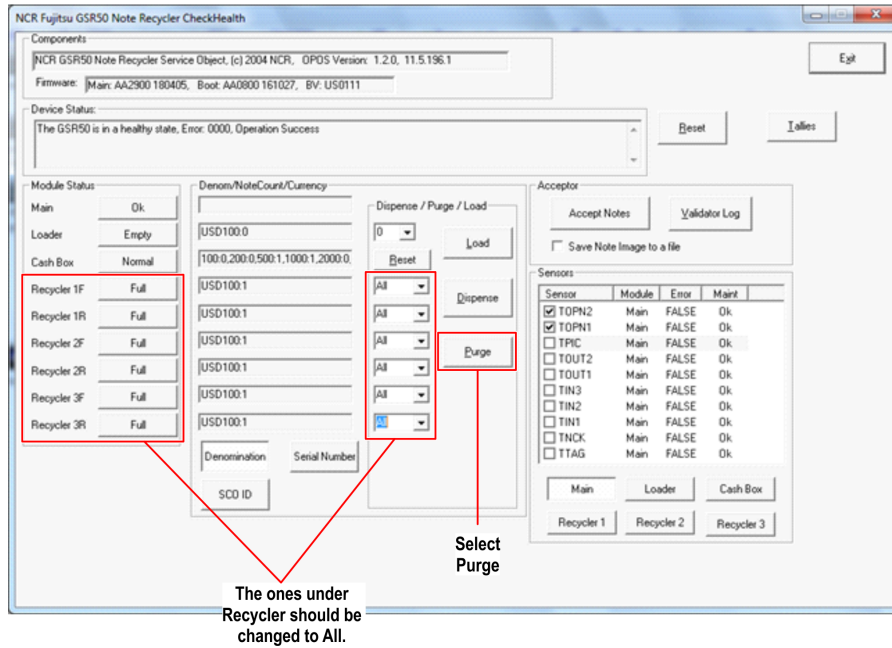
1. In the Fujitsu GSR50 window, select **Accept Notes**.



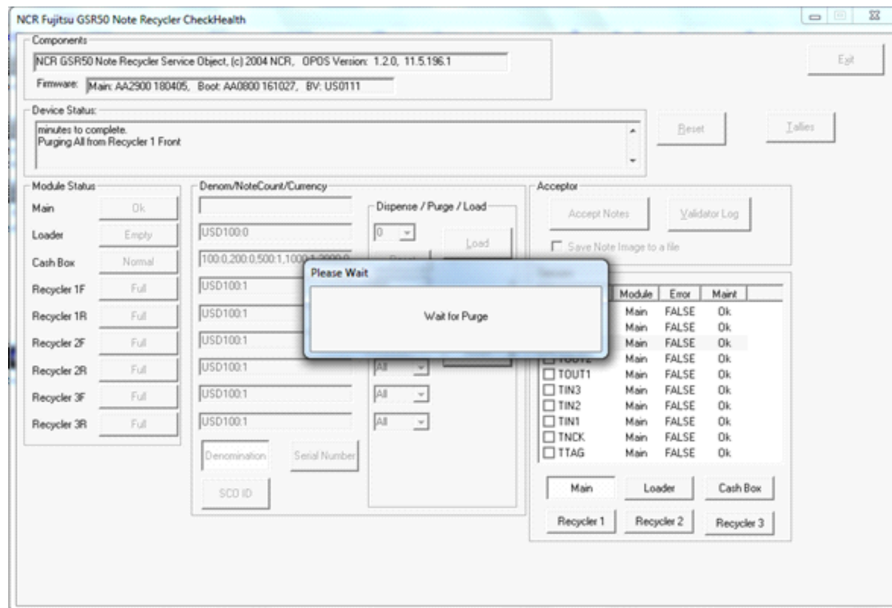
2. Insert the notes into the *Entry Slot* of the Note Acceptor as shown in the image below.



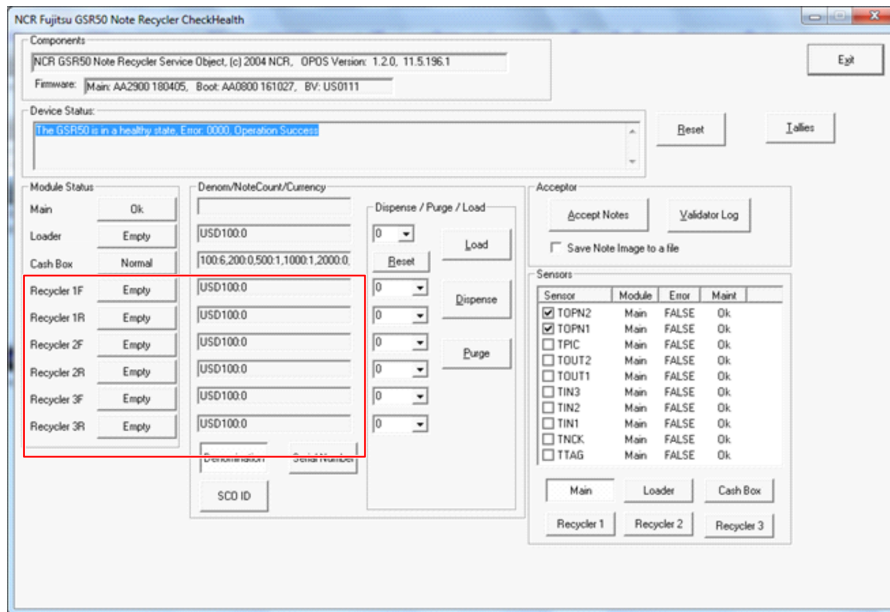
3. From the *Dispense/Purge/Load* drop-down list under *Recycler*, select **All** and then select **Purge** as shown in the image below.



4. Wait while the bills are purged to the cash box.



- Verify that the Recyclers have changed to "0" note count and the increase of notes in the Notebox (Cashbox) matches the notes that were in the Recycler drums prior to purging.



**Note:** If the Recyclers doesn't change to "0", there's a possibility that the notes are jammed in the Recycler drum. For more information, refer to [Jams in the Recycler Module](#).

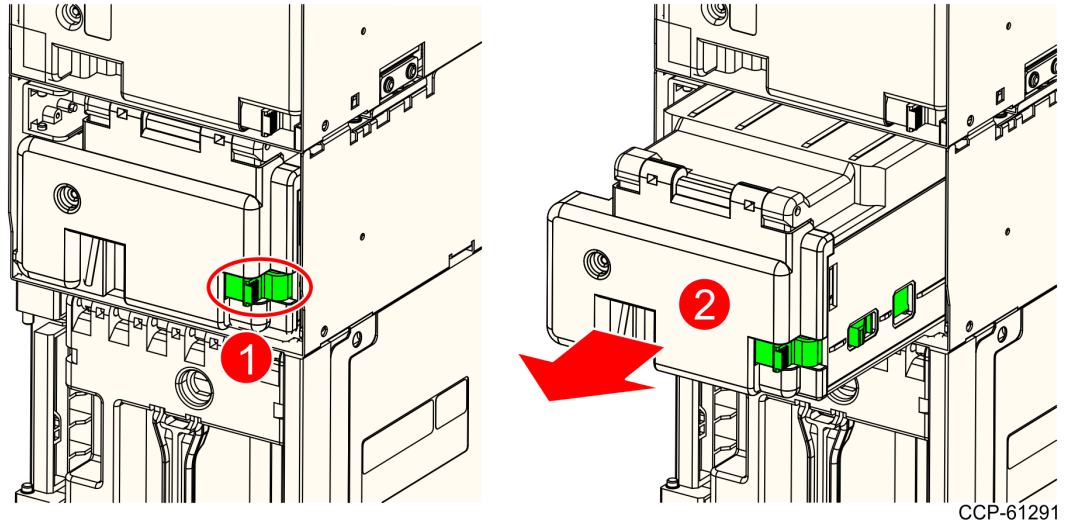
Depending on the existing configuration, do any of the following:

- Replenish a note from the Loader Cassette from the Recycler drum. For more information, refer to [Replenishing Notes from the Loader Cassette to the Recycler Drum](#) on the facing page. This procedure is only applicable for GSR50 Note Recycler with Loader Cassette Module.
- Remove the notes from the Notebox (Cashbox). For more information, refer to [Removing Notes from the Notebox \(Cashbox\)](#) on page 69.

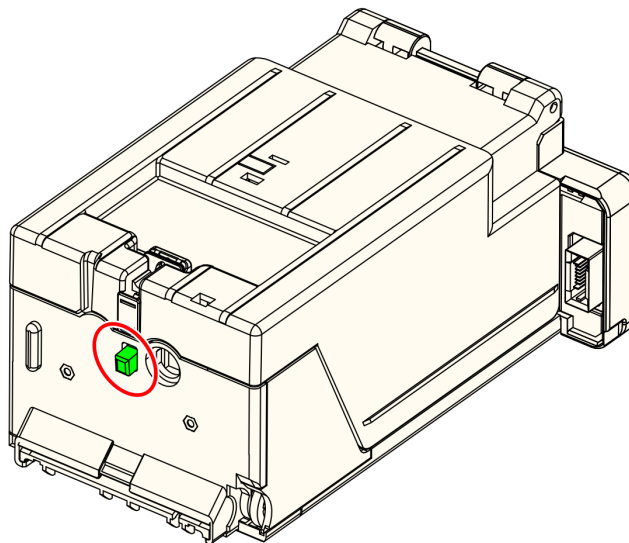
### ***Replenishing Notes from the Loader Cassette to the Recycler Drum***

This procedure is only applicable to GSR50 Note Recycler with Loader Cassette Module. To replenish a note from the Loader Cassette to a Recycler drum, follow these steps:

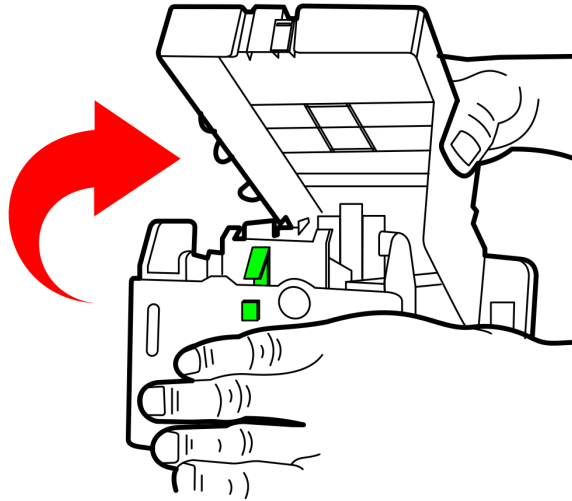
1. Place the notes to the Loader Cassette by doing the following:
  - a. Remove the Loader Cassette from the GSR50 Note Recycler unit by moving the green latch to the left and then pull the Loader Cassette from the chassis, as shown in the image below.



- b. At the back of the Loader Cassette, push down the green button to release the lid.

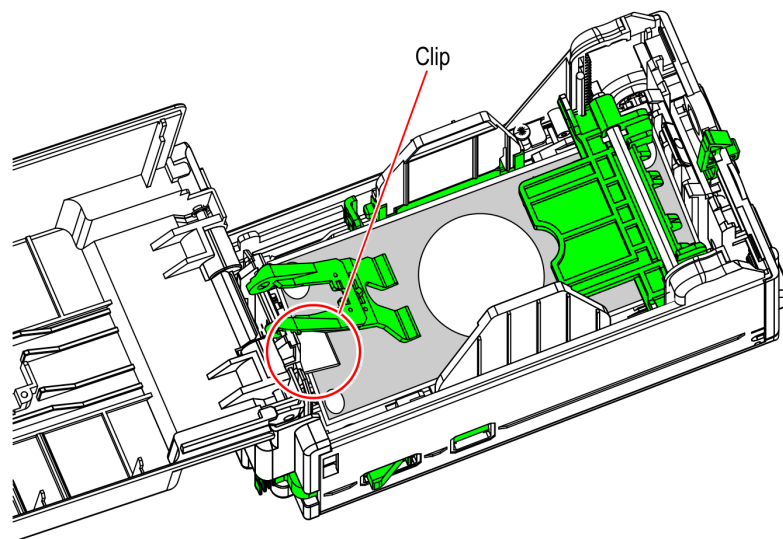


- c. Lift the lid to open the Loader Cassette.



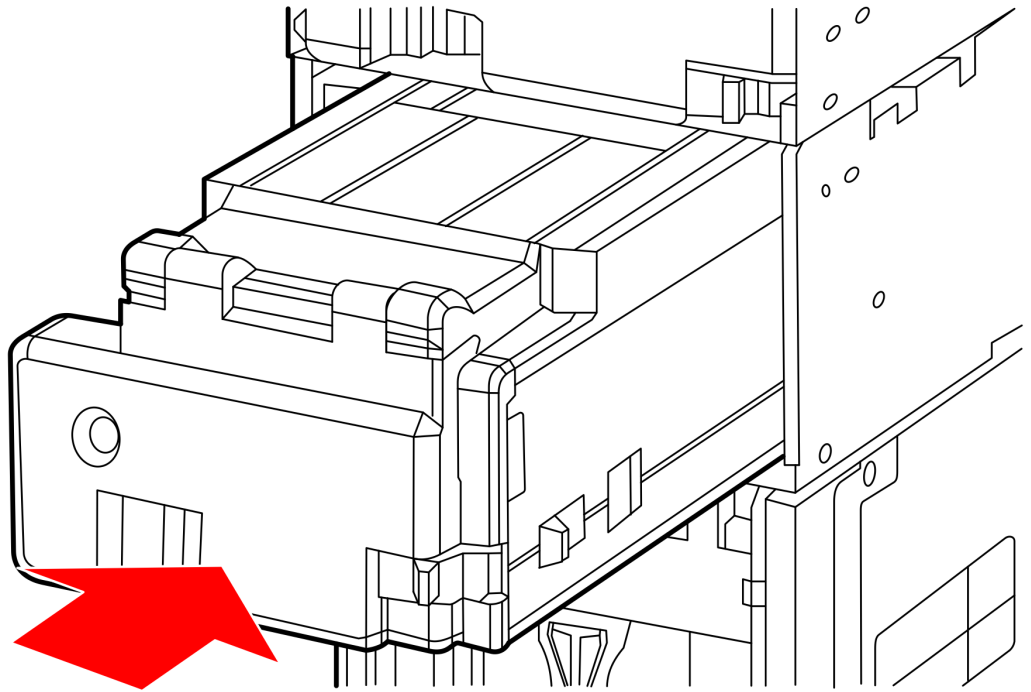
CCP-61295

- d. Place the notes in the Loader Cassette. Make sure that the notes are under the clip as shown in the image below.



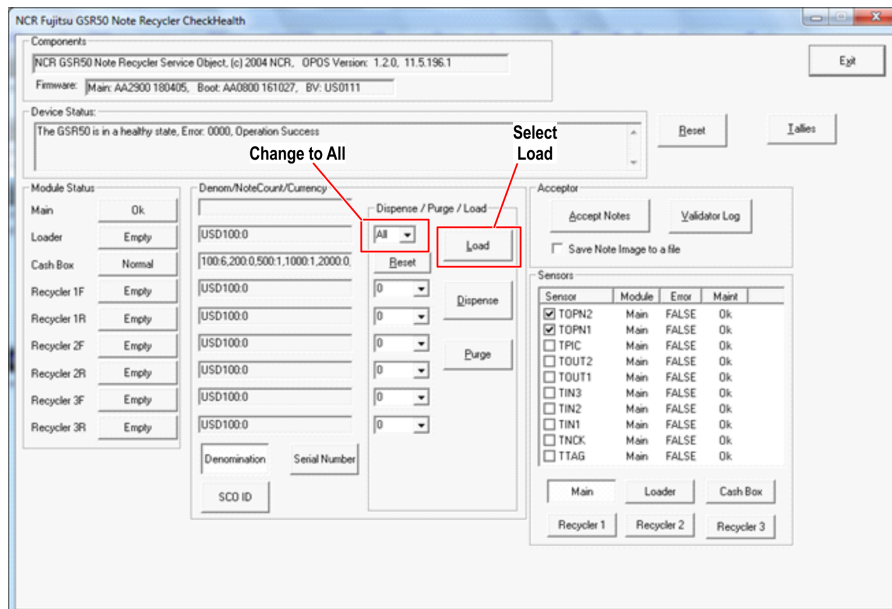
CCP-74587

- e. Close the lid of the Loader Cassette. Insert and then push the Loader Cassette into the Loader Frame until it snaps in place.

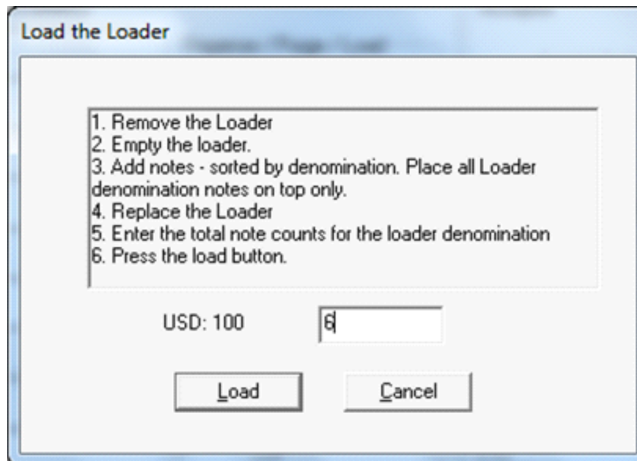


CCP-61341

2. In the Fujitsu GSR50 window under Dispense/Purge/Load, change the Loader drop-down list to **All** and select **Load** as shown in the image below.

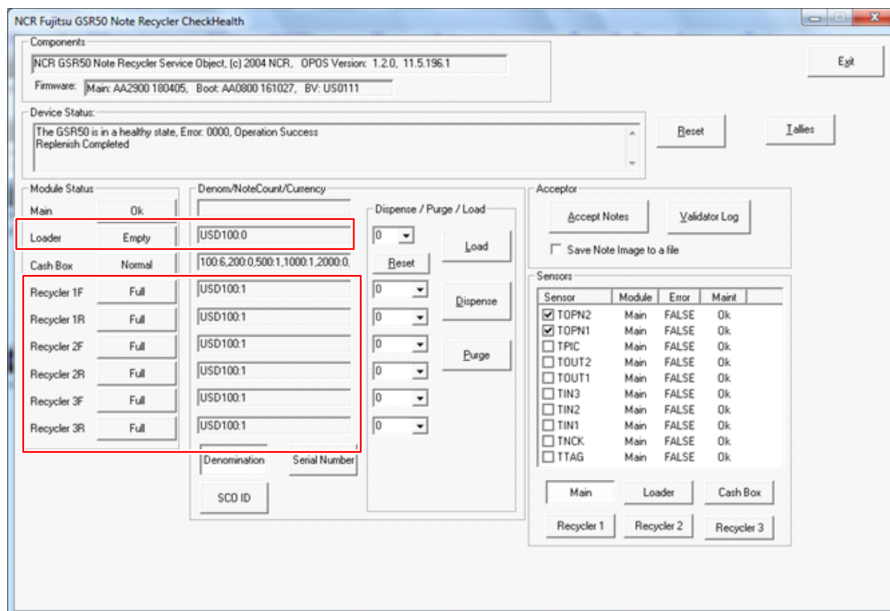


3. Enter the number of notes you want to load then select **Load**. Wait for it to load.



4. Verify that all the Recyclers have notes and the Loader has zero, as shown in the image below.

**Example:** Illustration below shows USD as currency and 100 = \$1 note. This may vary depending on the country and configuration of the GSR50 Note Recycler.

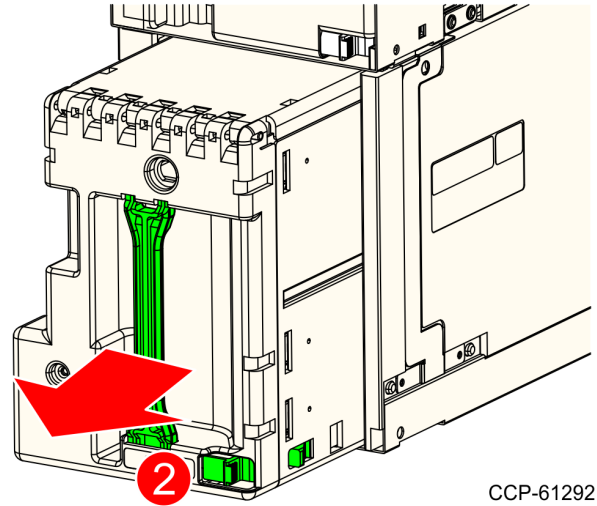
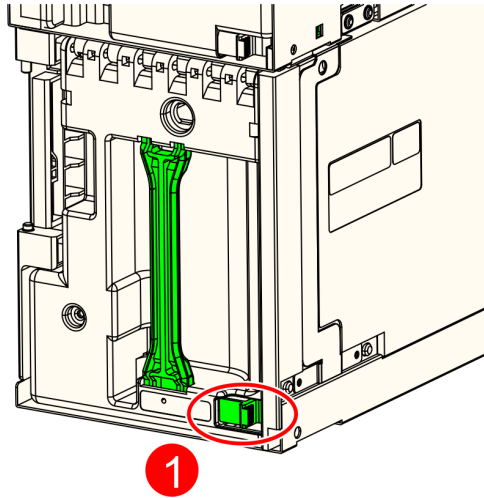


To purge the notes from each Recycler from each drum, refer to [Purging Notes from each Recycler Drum to the Notebox \(Cashbox\)](#) on page 62.

### ***Removing Notes from the Notebox (Cashbox)***

To remove the notes from the Notebox (Cashbox), follow these steps:

1. Remove the Notebox (Cashbox) Module by moving the green latch to the left and then pulling the Notebox (Cashbox) Module from the chassis, as shown in the image below.



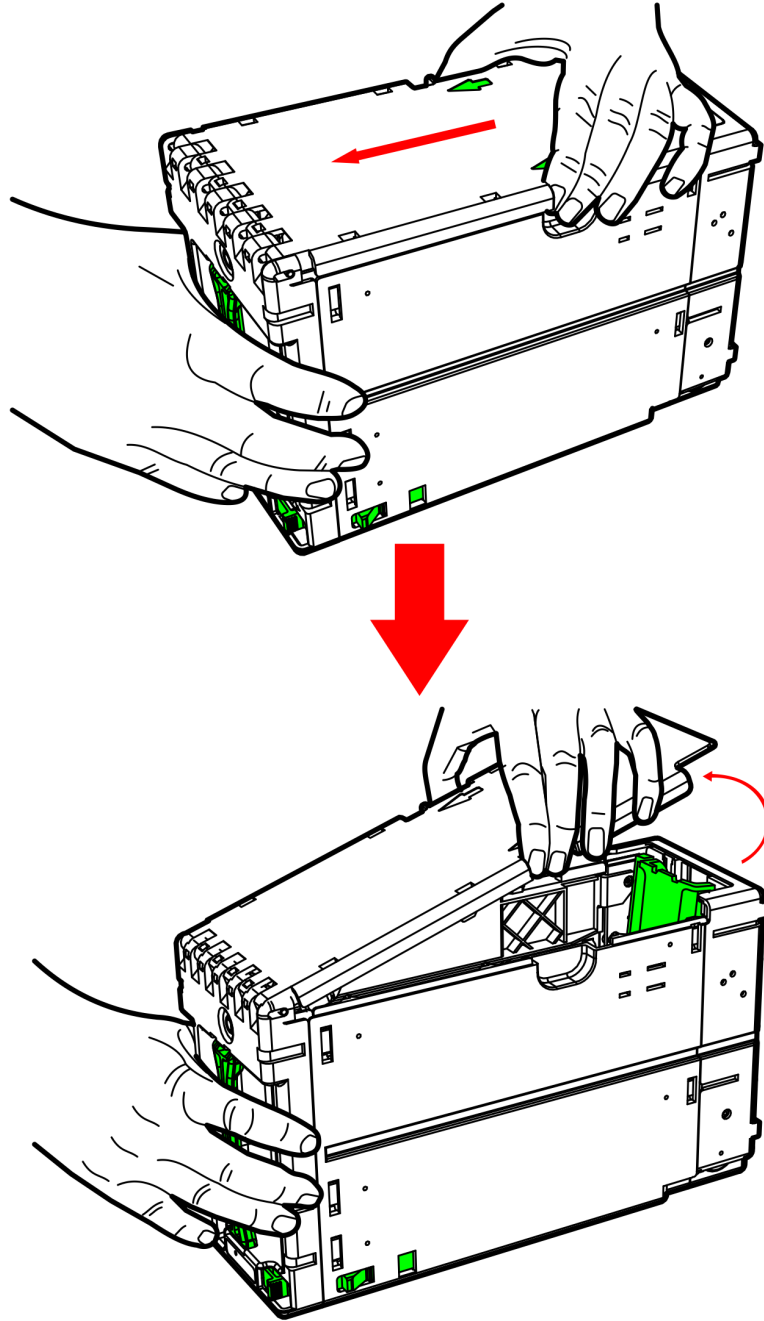
CCP-61292



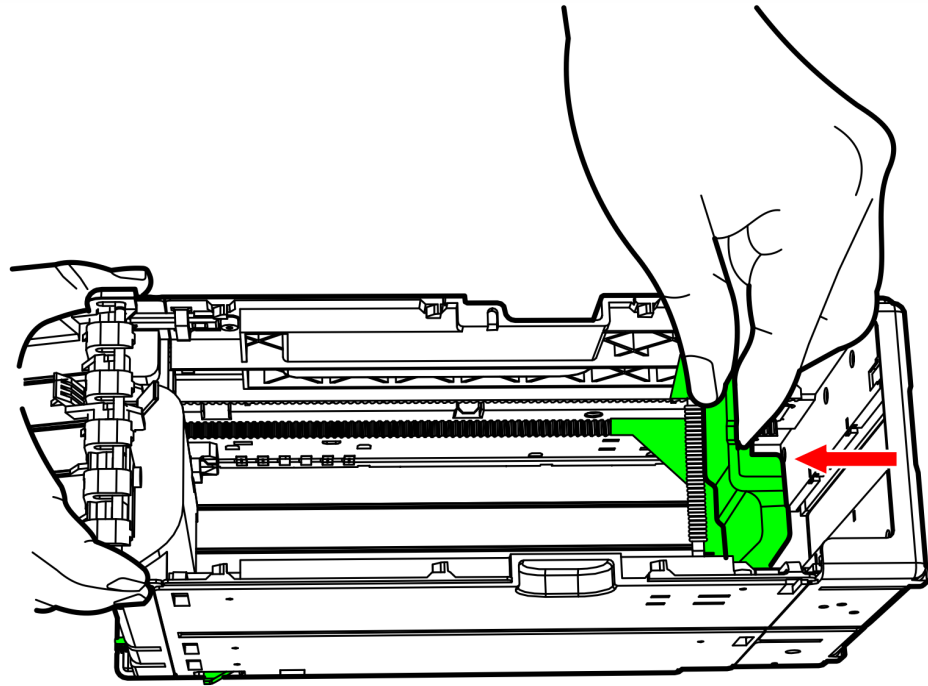
2. Hold the Cashbox, slide the lid in the directions shown, then lift to open the Notebox (Cashbox).



**Note:** Do not let go of the lid. If you slide the lid and then let go, the spring pulls it back in place and you can't lift it.



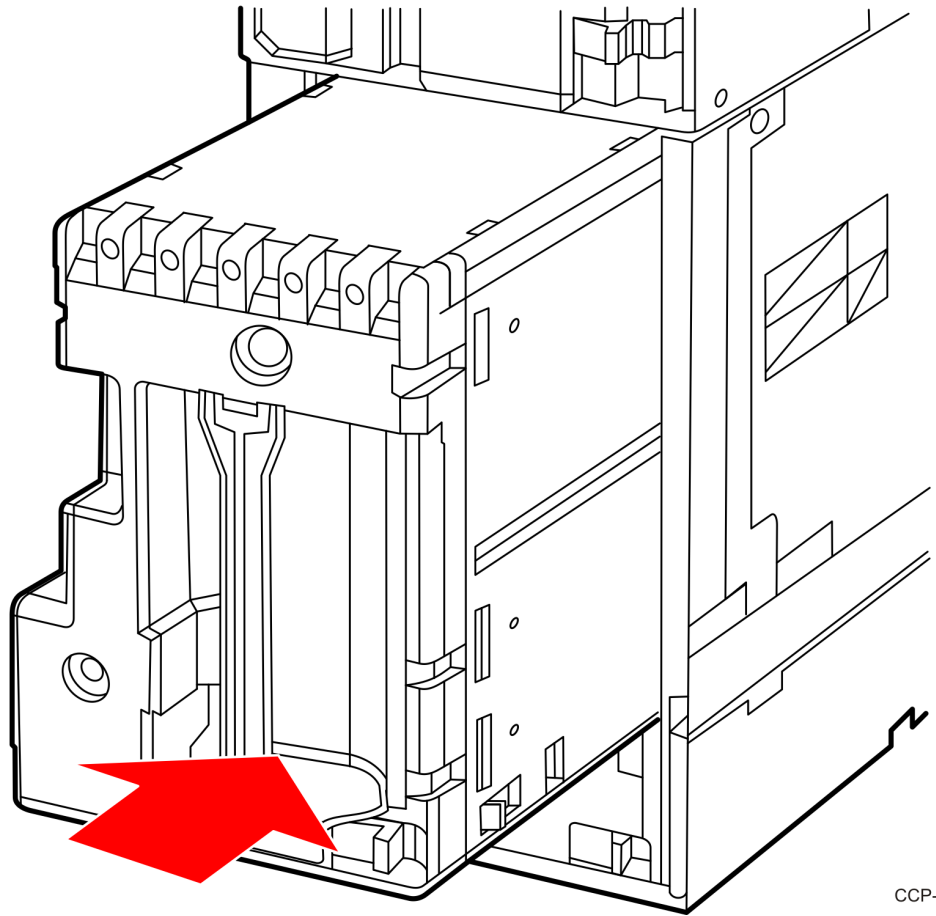
3. Slide the green Pusher to remove notes.



CCP-61307

4. Close and then push down the lid until it snaps in place.

5. Insert and then push the Notebox (Cashbox) Module into the corresponding frame until it snaps in place.



CCP-61340