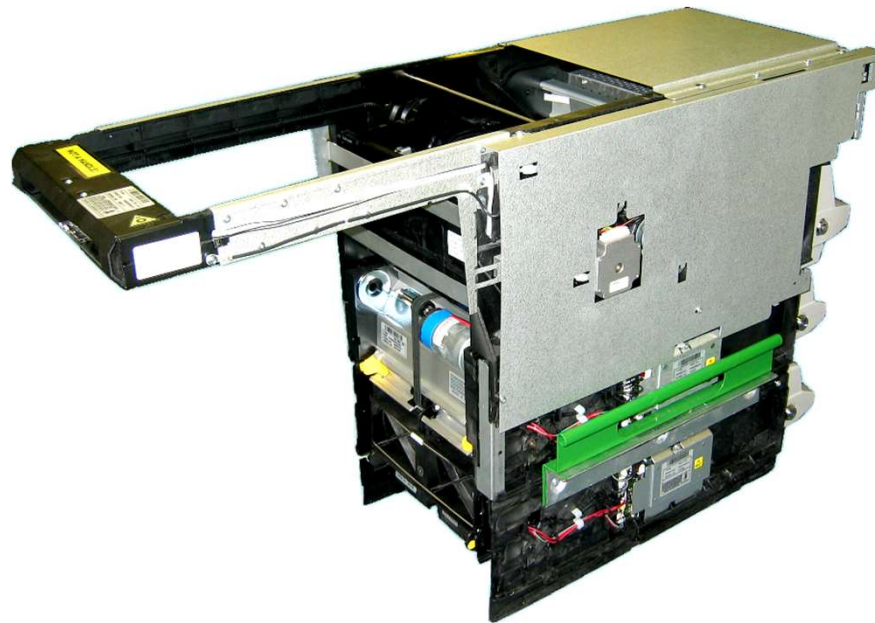


NMD-100 Quick Reference



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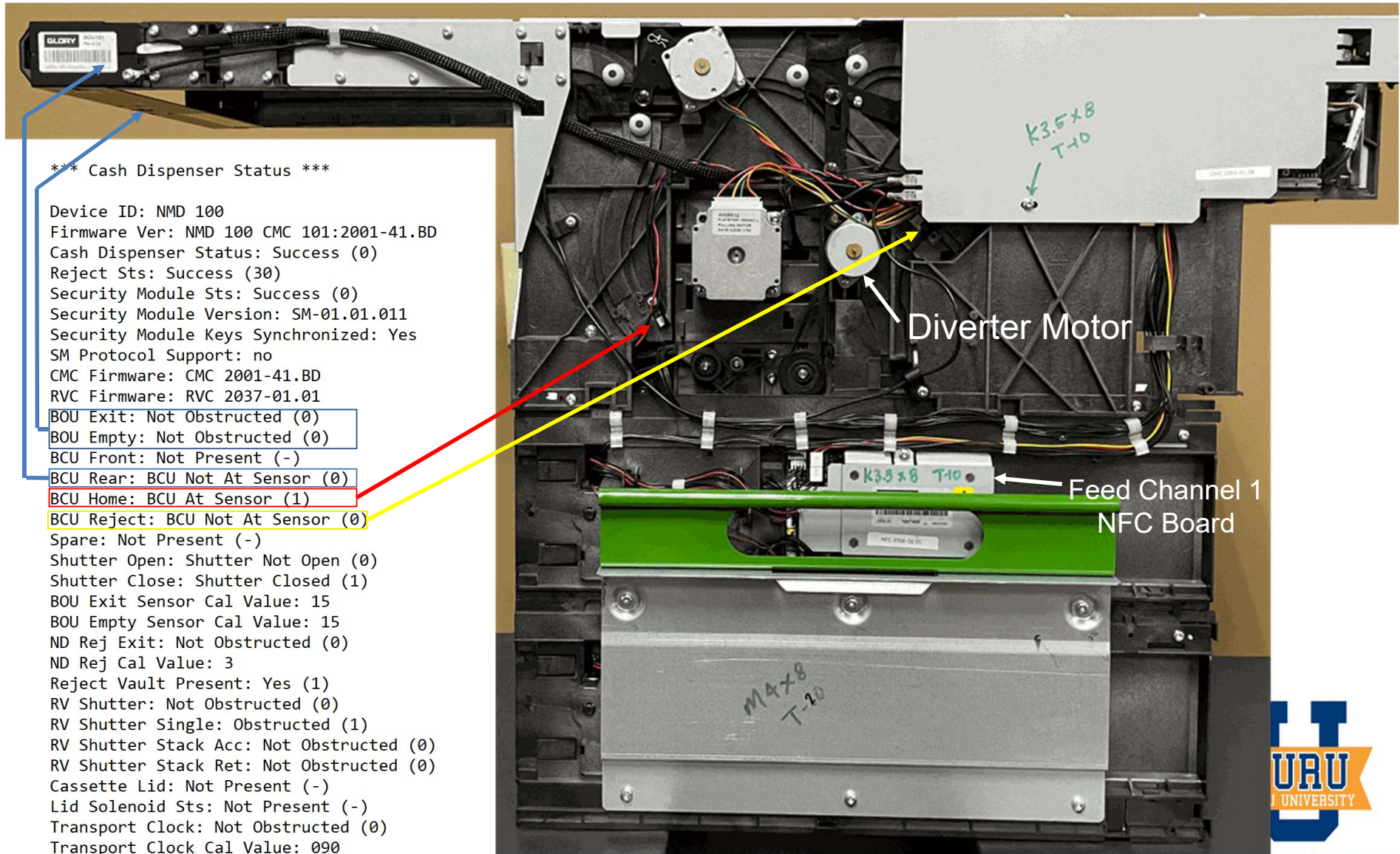
Introduction

► NMD 100:

- Presentation Type Dispense
- “All or nothing” dispense
- Auto retract capable - if notes are not taken the bundle will be retracted
- Has own internal power supply.



Normal working status



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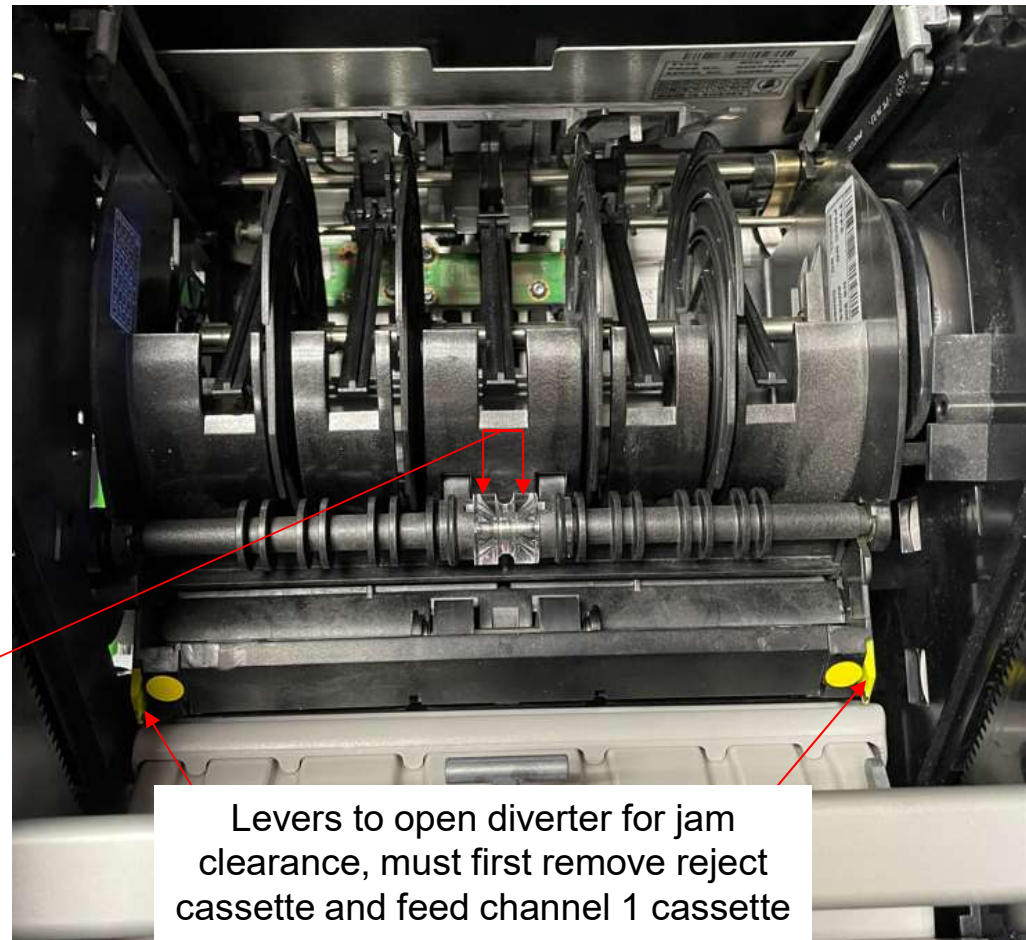


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Normal working status

*** Cash Dispenser Status ***

Device ID: NMD 100
Firmware Ver: NMD 100 CMC 101:2001-41.BD
Cash Dispenser Status: Success (0)
Reject Sts: Success (30)
Security Module Sts: Success (0)
Security Module Version: SM-01.01.011
Security Module Keys Synchronized: Yes
SM Protocol Support: no
CMC Firmware: CMC 2001-41.BD
RVC Firmware: RVC 2037-01.01
BOU Exit: Not Obstructed (0)
BOU Empty: Not Obstructed (0)
BCU Front: Not Present (-)
BCU Rear: BCU Not At Sensor (0)
BCU Home: BCU At Sensor (1)
BCU Reject: BCU Not At Sensor (0)
Spare: Not Present (-)
Shutter Open: Shutter Not Open (0)
Shutter Close: Shutter Closed (1)
BOU Exit Sensor Cal Value: 15
BOU Empty Sensor Cal Value: 15
ND Rej Exit: Not Obstructed (0)
ND Rej Cal Value: 3
Reject Vault Present: Yes (1)
RV Shutter: Not Obstructed (0)
RV Shutter Single: Obstructed (1)
RV Shutter Stack Acc: Not Obstructed (0)
RV Shutter Stack Ret: Not Obstructed (0)
Cassette Lid: Not Present (-)
Lid Solenoid Sts: Not Present (-)
Transport Clock: Not Obstructed (0)
Transport Clock Cal Value: 090



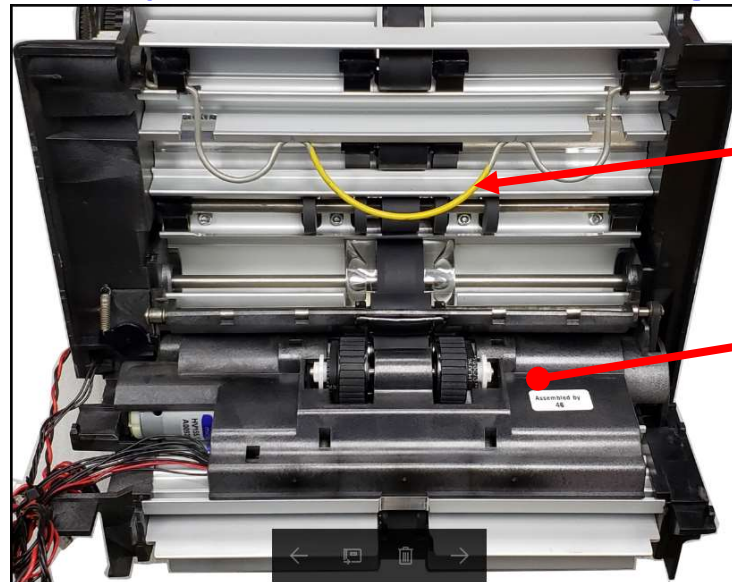
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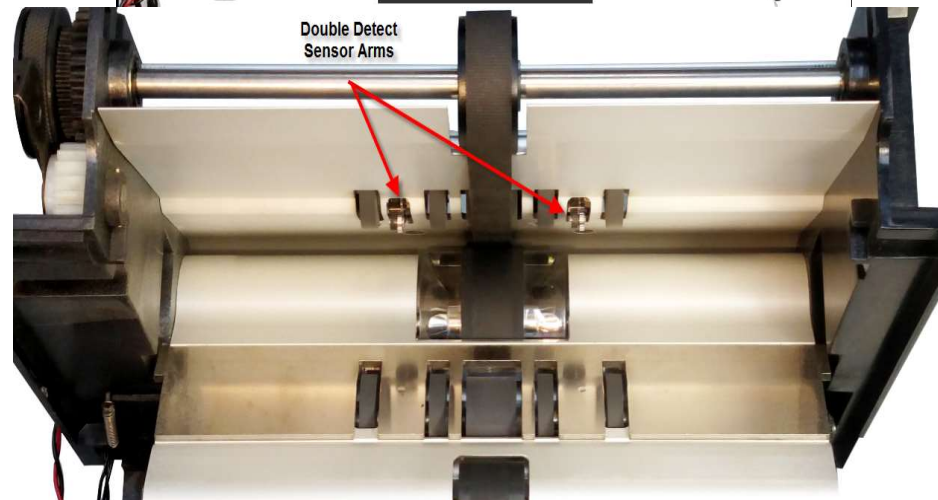
Note Qualifier

<https://youtu.be/Vu6r5h86ggM>



Jam door latch
(yellow handle)

Note Feeder for
first feed channel



Double Detect
Sensor Arms

View with jam door open

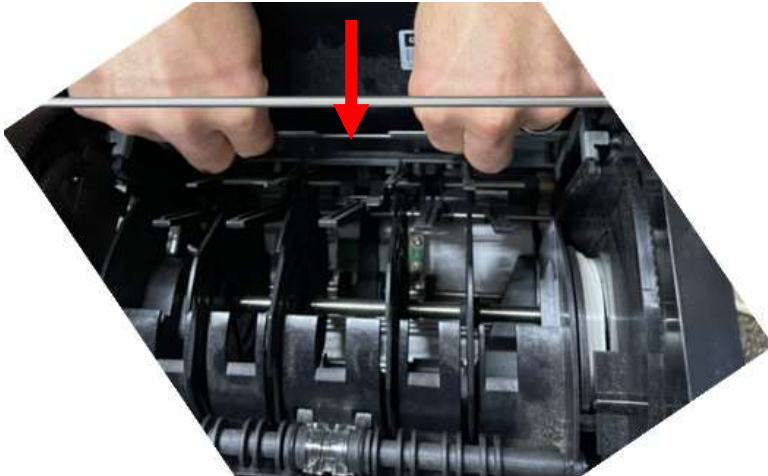
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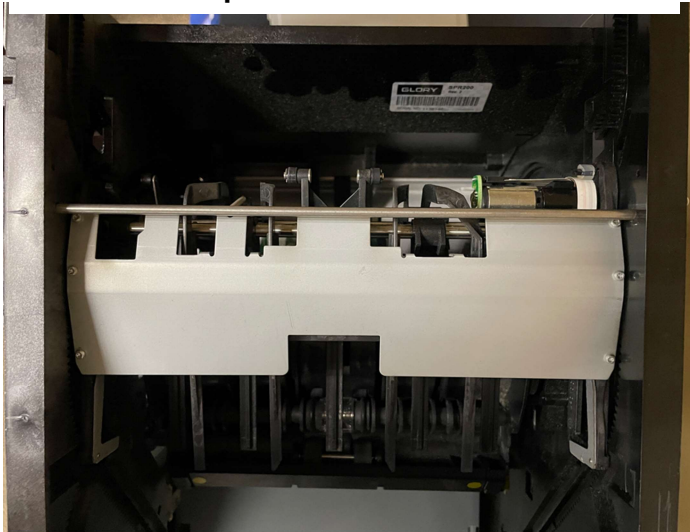
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Check BCU alignment

Grab metal plate and pull up gently



Compare BCU to rod



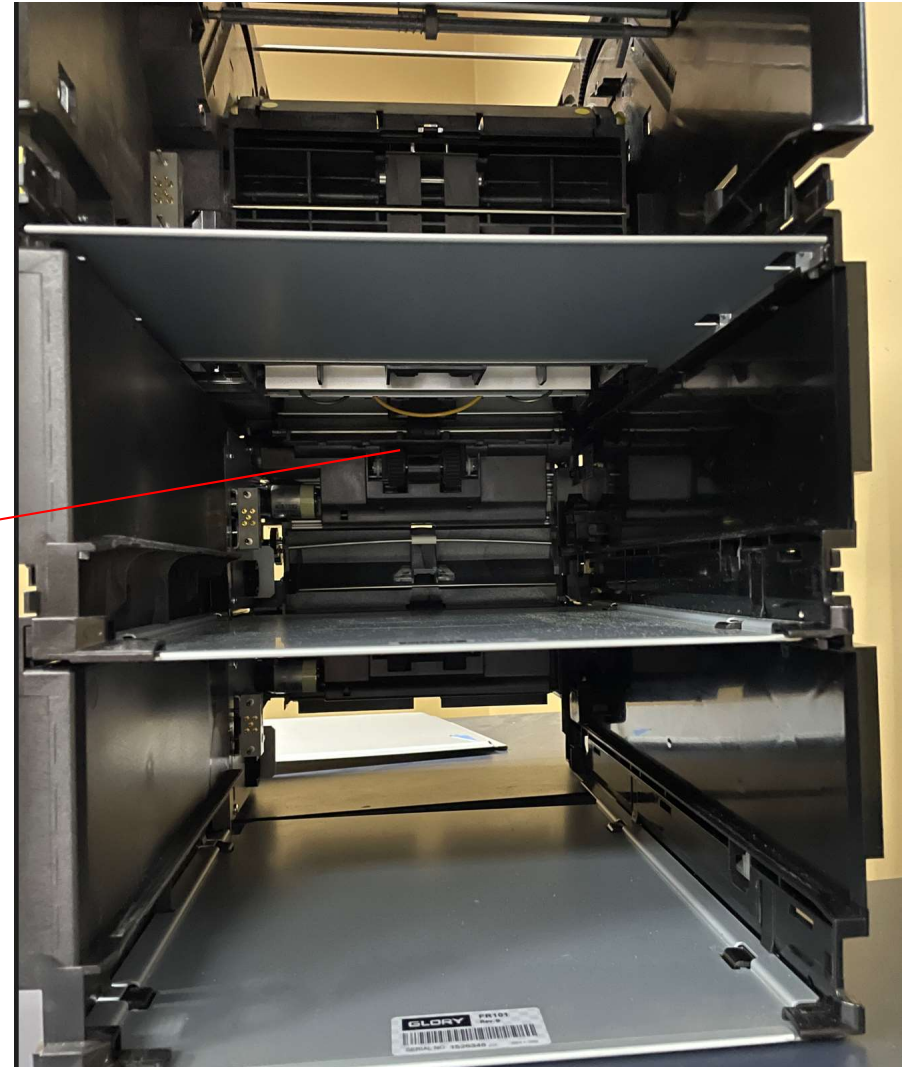
Verify BCU aligns to same reference point on both sides



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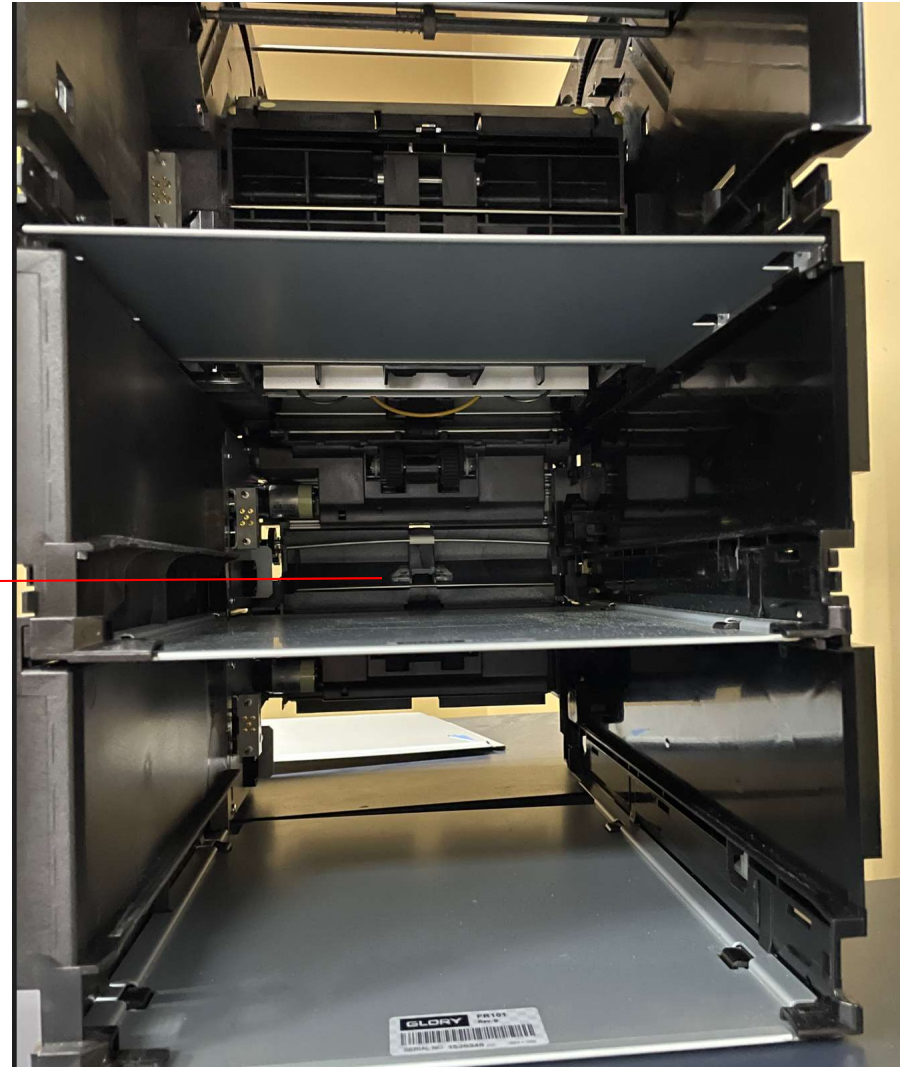
Feed Channel 1

Feed Channel 1
Note Feeder Firmware: NF1 2006-08.DA
Cassette ID: A (1)
Cassette Firmware: NC1 2007-02.08
Status: Success (30) ← This means everything is ok
Multiple Amount: \$50.00 ← Cassette Denomination
Document Type: Cash
Cassette In Service: Yes
Currency Data: USD021_
Start Quantity: 500
Bill Width: 66
Bill Length: 156
Total dispense count: 1
Total reject count: 50
Last command reject count: 0
Last command dispense count: 1
Exit Sensor: Not Obstructed (0)
Empty Sensor: Obstructed (1)
Pressure Sensor: Obstructed (1)
NC Shutter 1: Obstructed (1)
NC Shutter 2: Obstructed (1)
NC Shutter 3: Not Obstructed (0) } This means cassette is
Cassette Present: Yes (1) locked into dispenser
Cassette Low: No (1)
Cassette Lid: Lid Closed (0)
NC Shutter Solenoid: Inactive (0)
NC Lid Solenoid: Not Present (-)
Exit Sensor Cal Value: 1
Empty Sensor Cal Value: 1
Pressure Sensor Cal Value: 1
Shutter Sensor Cal Value: 1



Feed Channel 2

Feed Channel 2
Note Feeder Firmware: NF2 2006-08.DA
Cassette ID: B (2)
Cassette Firmware: NC2 2007-02.08
Status: Success (30) ← This means everything is ok
Multiple Amount: \$5.00 ← Cassette Denomination
Document Type: Cash
Cassette In Service: Yes
Currency Data: USD021_
Start Quantity: 501
Bill Width: 66
Bill Length: 156
Total dispense count: 0
Total reject count: 1
Last command reject count: 0
Last command dispense count: 0
Exit Sensor: Not Obstructed (0) ←
Empty Sensor: Obstructed (1)
Pressure Sensor: Obstructed (1)
NC Shutter 1: Obstructed (1)
NC Shutter 2: Obstructed (1)
NC Shutter 3: Not Obstructed (0) } This means cassette is
Cassette Present: Yes (1) locked into dispenser
Cassette Low: No (1)
Cassette Lid: Lid Closed (0)
NC Shutter Solenoid: Inactive (0)
NC Lid Solenoid: Not Present (-)
Exit Sensor Cal Value: 1
Empty Sensor Cal Value: 1
Pressure Sensor Cal Value: 1
Shutter Sensor Cal Value: 1



Feed Channel Jam Clearance



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Note Condition



Note Cassettes

NMD-50

236 mm/2000 Notes

(1750 Notes)

NMD-100

350 mm/3000 Notes

(2750 Notes)

Depending on Note Quality

Do not overload the cassette, Left image. Center image show notes in the **RED** area. Right image show notes properly loaded in the **Green** area.



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Reject Vault - RV



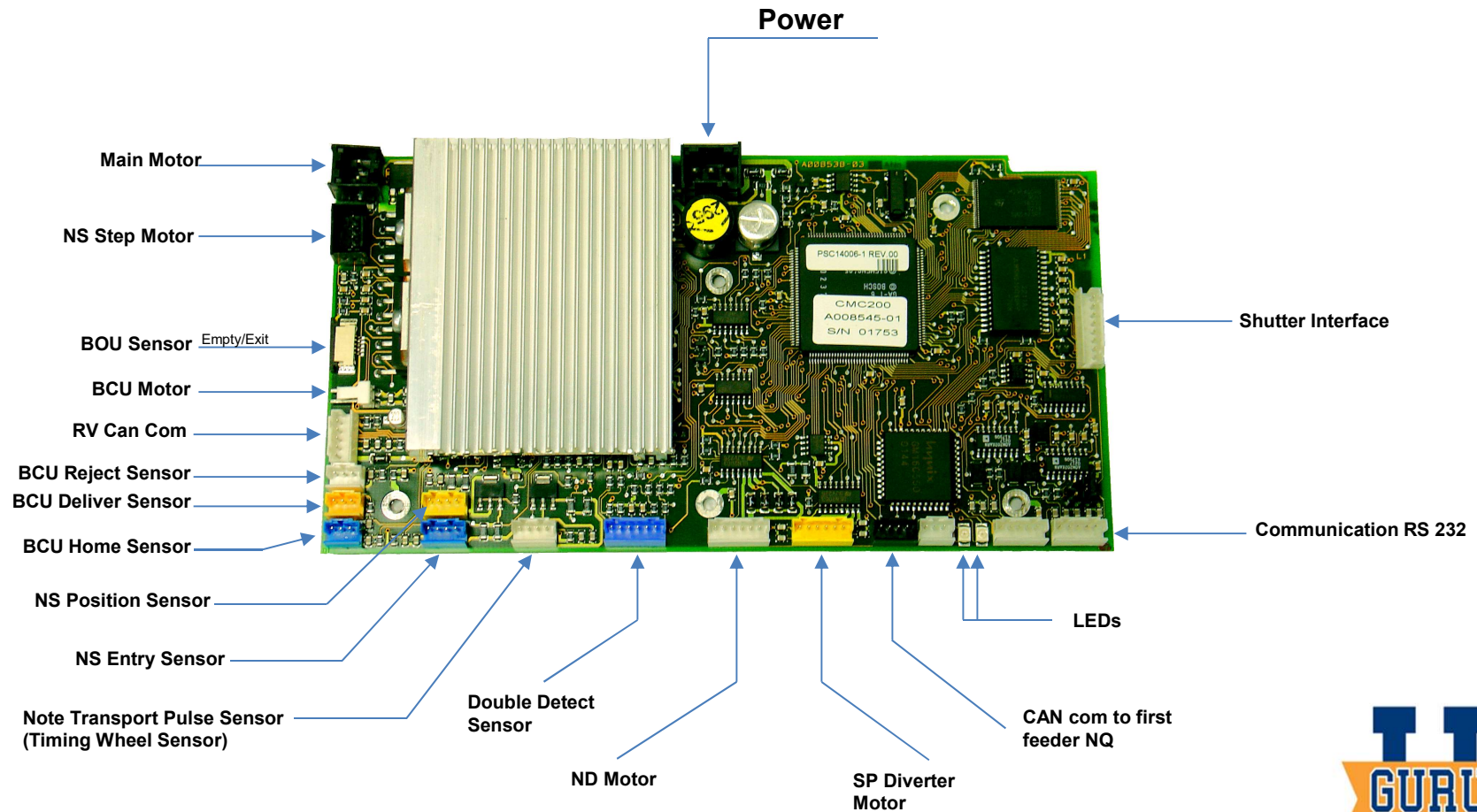
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Component Overview

NMD-100 Central Machine Controller – CMC 200



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Component Overview

Note Feeder Controller - NFC

- Contains firmware and drivers necessary for controlling the Note Feeder Unit and and Note Cassettes



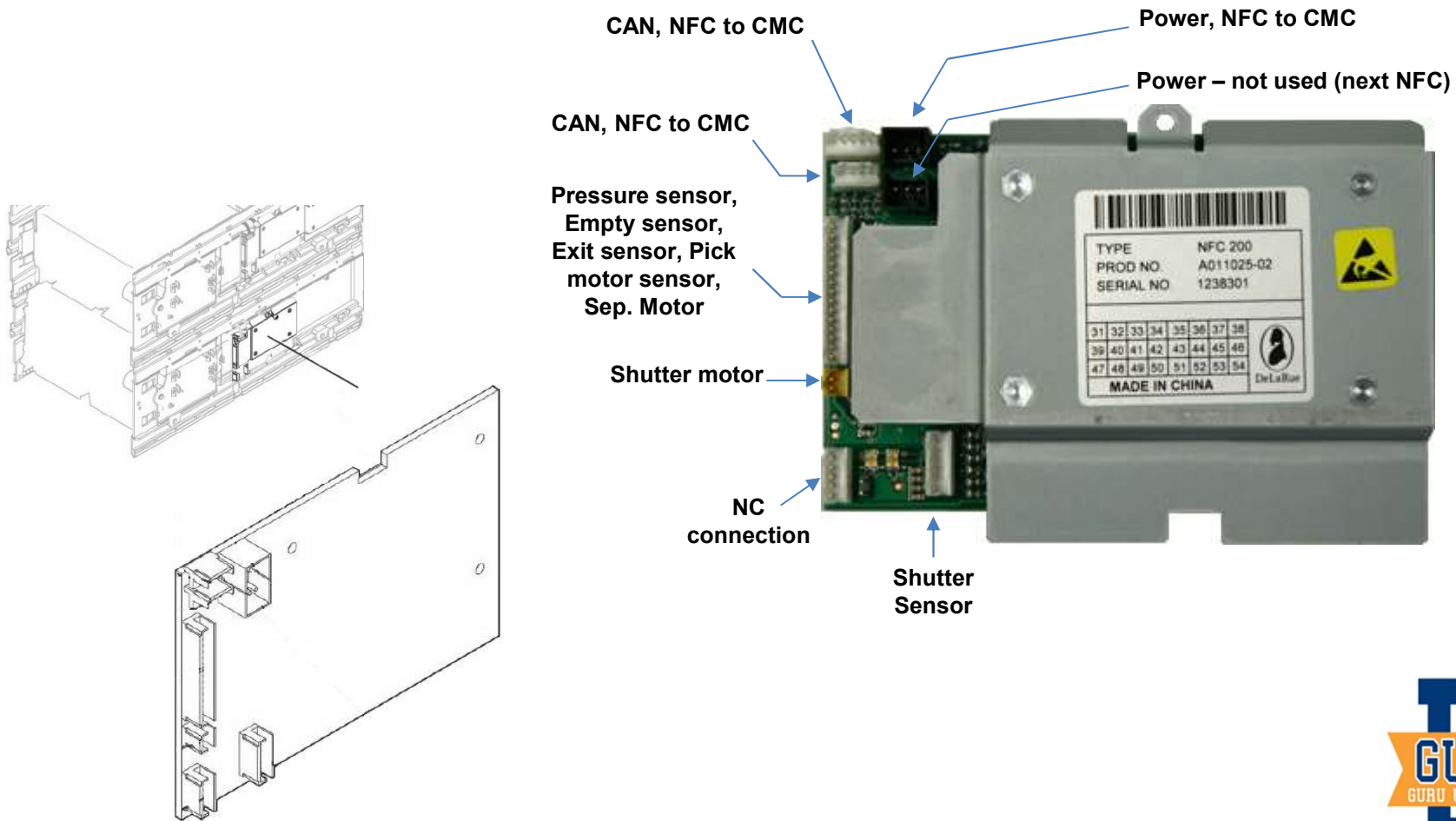
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Component Overview

Note Feeder Controller - NFC



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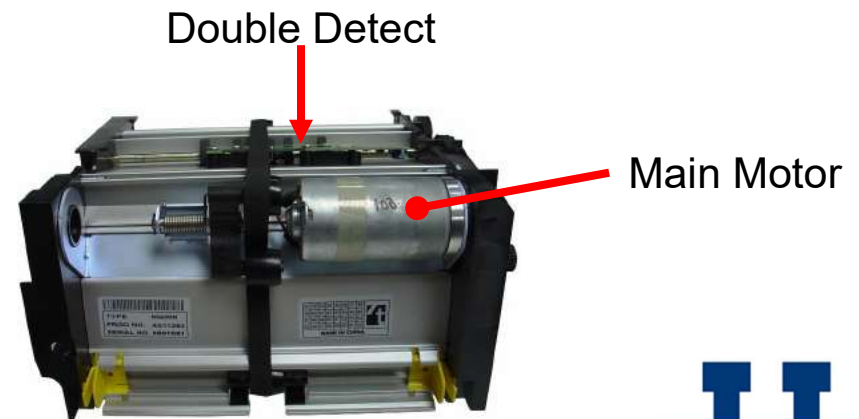
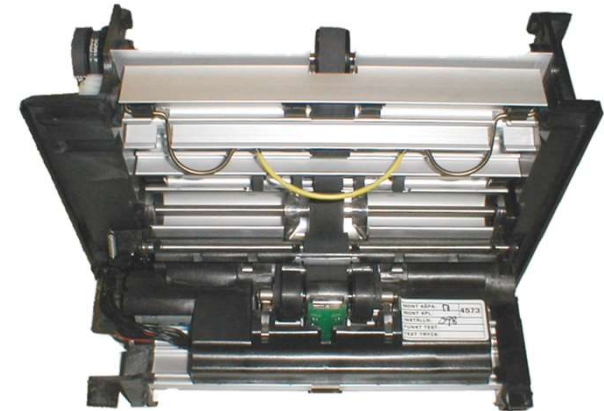


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Component Overview

Note Qualifier Unit - NQU

- Common to NMD-100/NMD-50
- Consists of the main motor that drives the main note transport throughout the machine
- Controlled by the CMC
- Contains Double Detect



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Component Overview

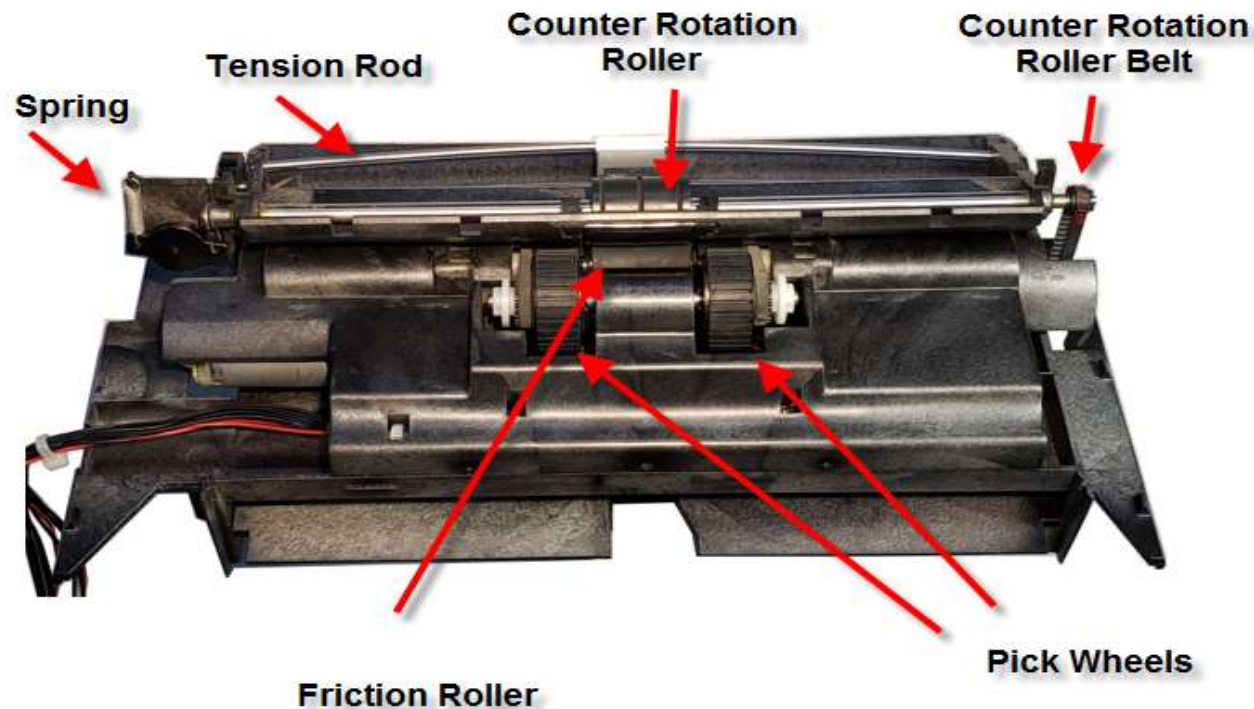
Note Feeder Unit - NFU

- Common to NMD-100/NMD-50
- Contains the pick and separation mechanism
- Houses the sensors for note counting (1st count), feed pressure control, and empty cassette detection



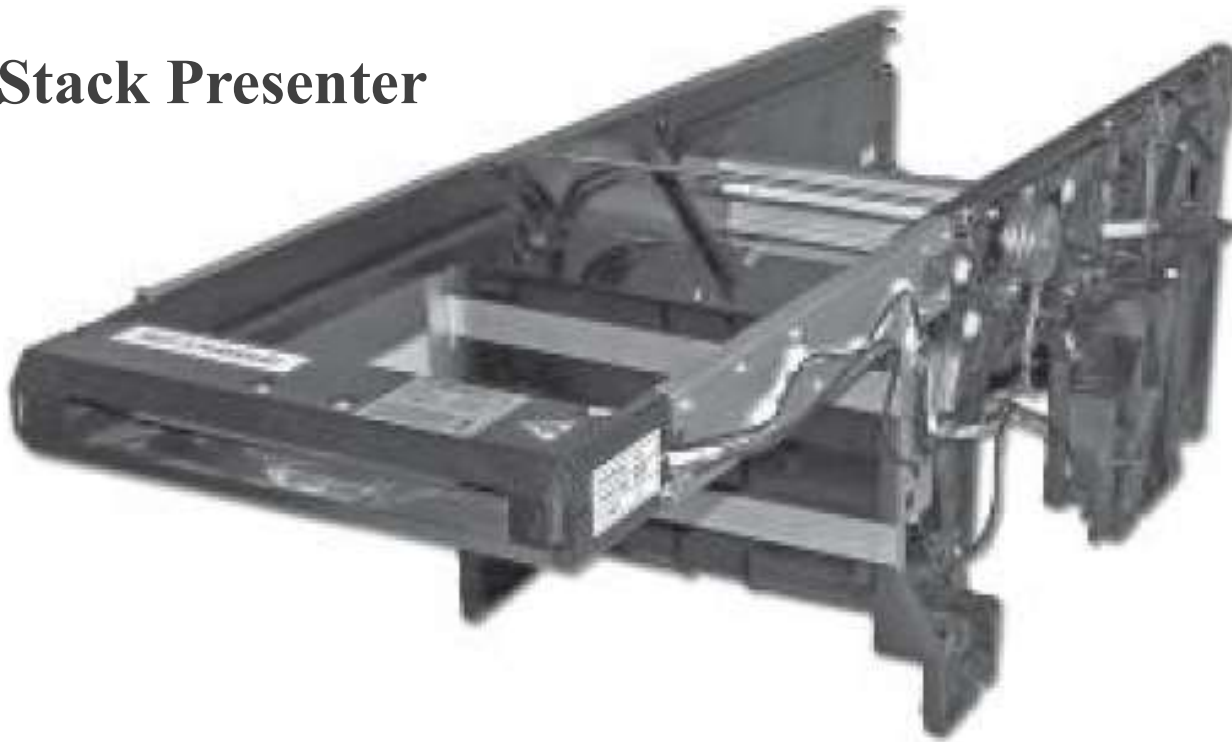
Component Overview

Note Feeder Unit External View



Component Overview

Stack Presenter



NMD 100 Only

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Component Overview

Note Diverter Unit - NDU

- **NMD-100 only**
- **Receives notes from the note qualifier**
- **Transports note to note stacker or diverts rejects to reject vault**



Component Overview

Note Stacker Unit - NSU

- **NMD-100 only**
- **Collects qualified notes one-by-one in a stepped stacker wheel**
- **Supervised by the CMC**



Component Overview

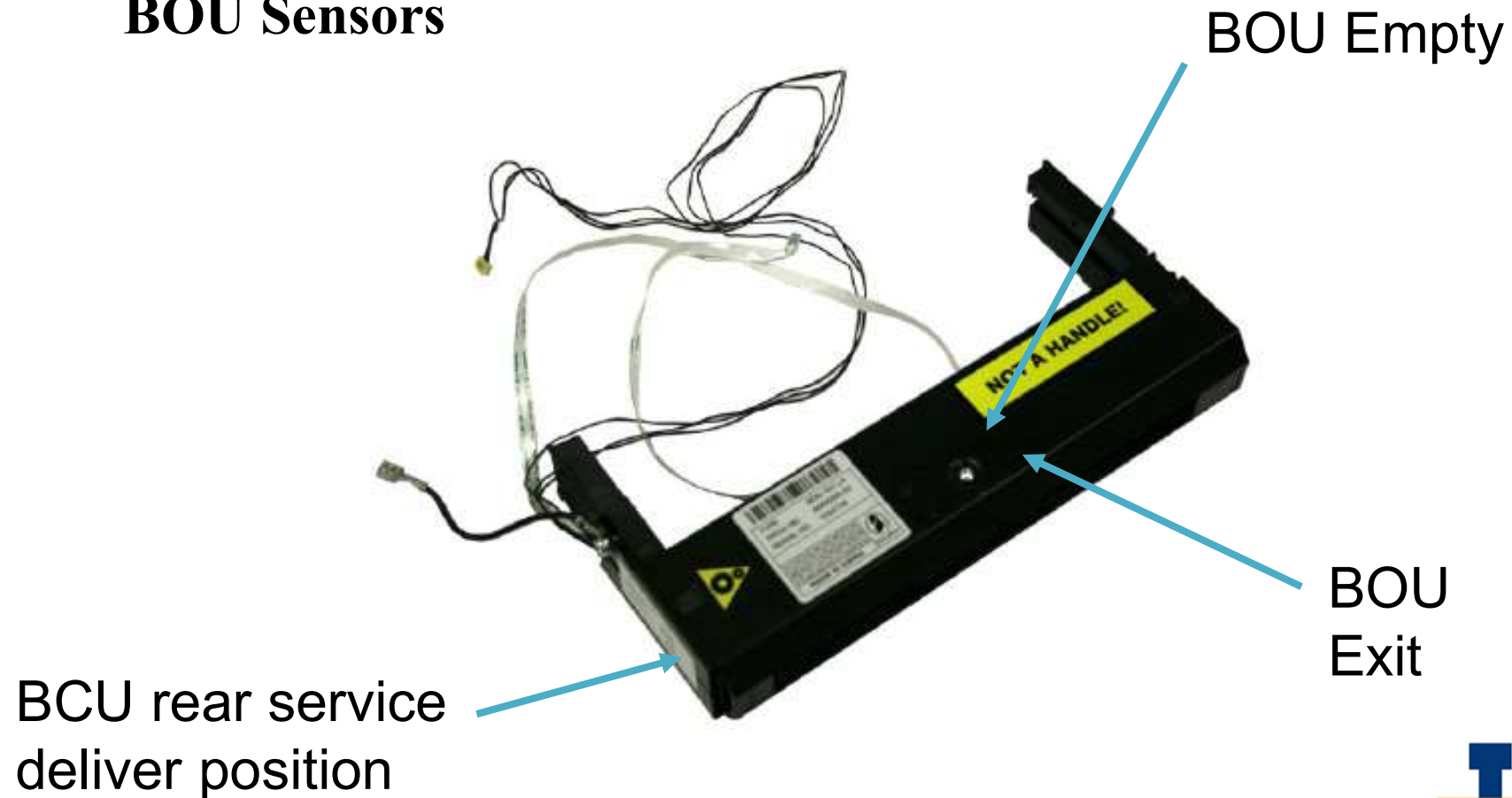
BCU – Bundle Carriage Unit



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Component Overview

BOU Sensors



NMD 100



Power Supply - PS

- **Input: 100 - 240 VAC, 50/60 Hz, 0.8A to 2.0A**
- **On/Off power switch for the NMD 100 dispenser**



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