MEI CASHFLOW®
Bunch Note Feeder
Operation and Maintenance Guide

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National and International
Standards Conformance

CASHFLOW® Bunch Note Feeder operates at Safety Extra Low Voltage Level (SELV) as defined in EN60950 'Safety of Information Technology Equipment'. They may be designed into equipment complying with IEC950/EN60950 'Safety of Information Technology Equipment'. CASHFLOW Bunch Note Feeder is of Class 2 construction.

Dangerous Environments

The CASHFLOW Bunch Note Feeder must not be operated in the presence of flammable gasses, fumes or water.

Product Disposal

Do not dispose of any part of a CASHFLOW Bunch Note Feeder by incineration.

 When installing the Bunch Note Feeder into a host machine, turn off all power. Observe all ESD precautions to prevent damage.

OVERVIEW

Model Number

BNF XX XXX

- INT

- FW - Fixed Width OEM Proprietary
  MW - Multi Width

- Bunch Note Feeder

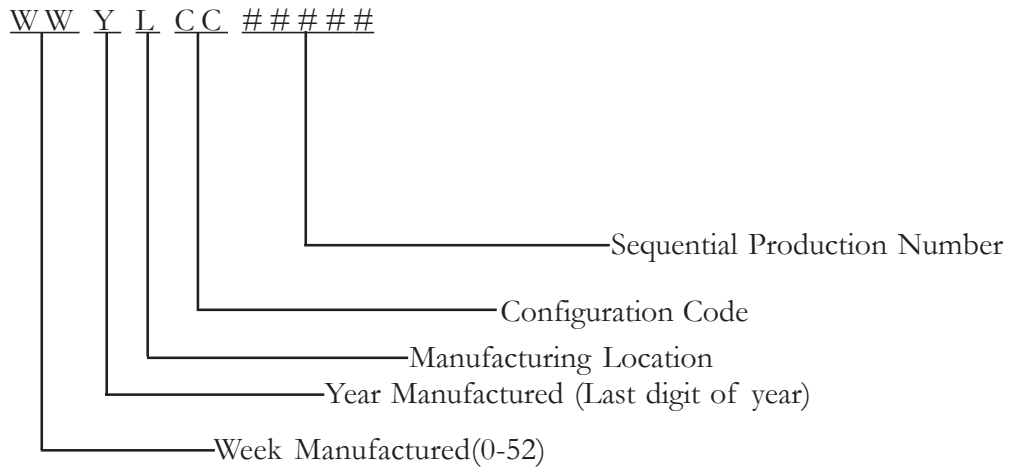## Serial Number

WW Y L CC #####

- Sequential Production Number
- Configuration Code
- Manufacturing Location
- Year Manufactured (Last digit of year)
- Week Manufactured(0-52)
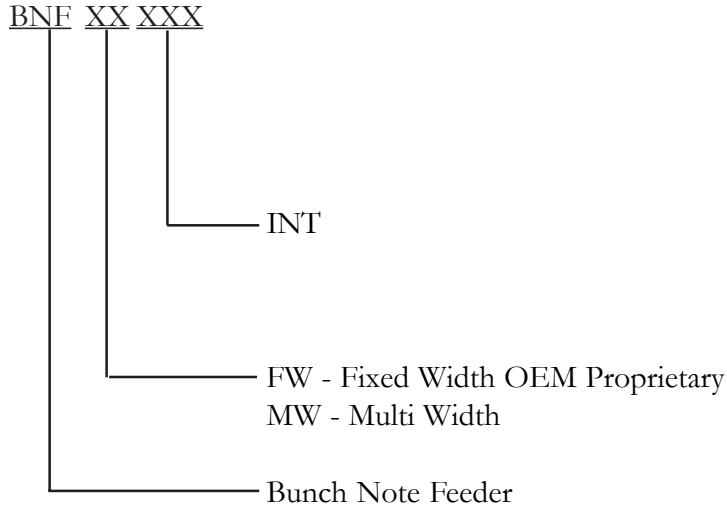
OVERVIEW

Main Components of the SC Series Product Line
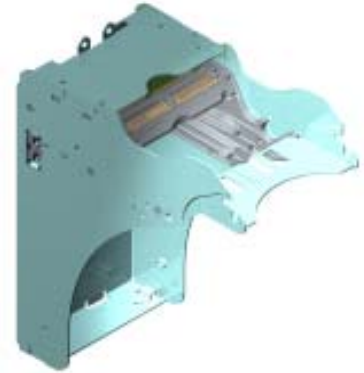
The CASHFLOW SC66/83®consists of three main components

Cashbox/LRC   Acceptor Module   Chassis

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Bunch Note Feeder for the SC Series Product Line

BNF Note Tray   BNF unit

Power Requirements

Standby: 10 Watts
Acceptance: Peak 30 Watts
Stacking: Peak: 70 Watts
Input Voltage: +15-28 VDC

INSTALLATION

Note: Always power down machine prior to installation.

- The BNF mounts to the front of the SC Acceptor Module by aligning the two captive screws (A+B in figure 1) with the two existing holes on the module.

   Note: Captive screw (SCL - BNF) - 200 ozin +/-20 ozin. Screw can strip by hand at 250.
   Common screw (mounting bracket) - 90 ozin +/- 20 ozin. Screw can strip @ 260.

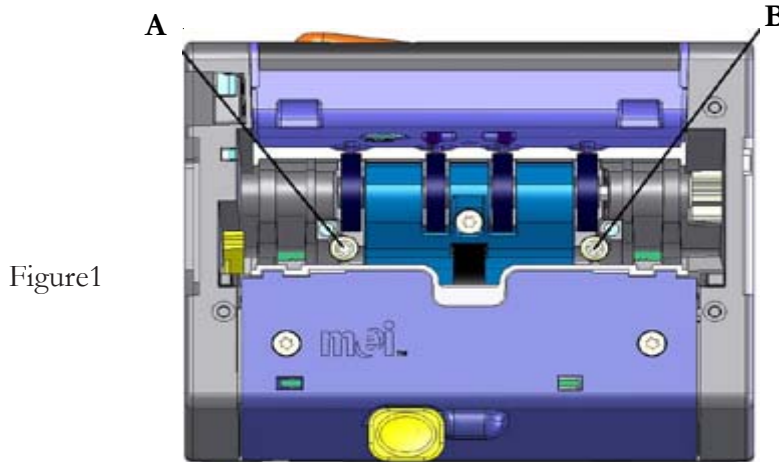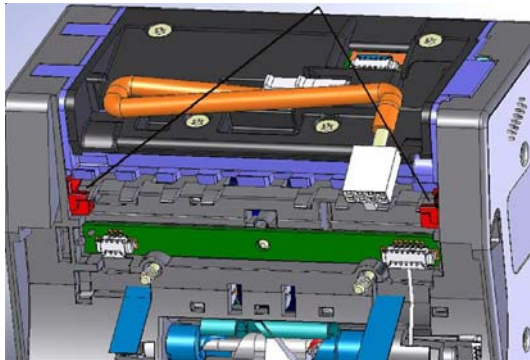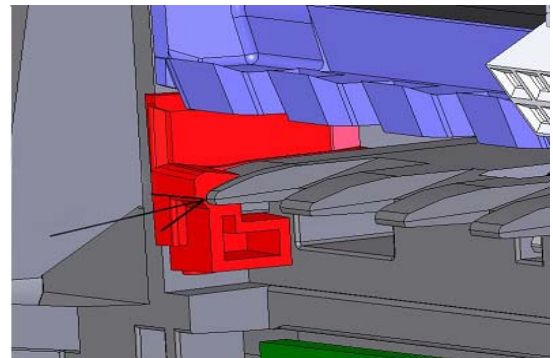**A**   **B**

Figure1

- If you are mounting a Multi-Width BNF to an SC83 Acceptor Module, it will be necessary to use the 83mm note guide set included in the package. Separate the two note guides from the runner and insert the left and right guides into the billpath. (See figure 2 & figure 3)

Separate from runner and insert. Figure 2   Guide Seated. Figure 3

- With a T8 Torx screwdriver, tighten the screws until the BNF is seated firmly against the Acceptor Module. It is very important for correct operation of the BNF that it must be seated firmly! Below are recommended torque settings, these are the torque settings for the captive screws (BNF to SCL) and the common screw (mounting bracket to BNF.) These are the setting suggested when using a hand screwdriver.

INSTALLATION

Press up on the lower ribbed area of the yellow latch to install / remove the note tray.
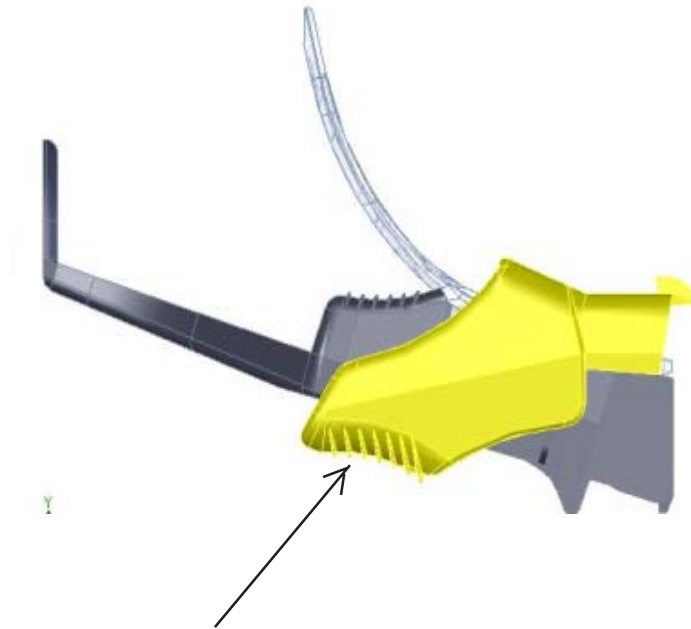
OPERATION_____

Insert a bundle of notes (maximum 30) into the bottom portion of the note tray. The BNF will draw notes in one at a time until entire stack has been processed.

Ensure notes are flat in note tray

If notes stop feeding, remove all notes. Look for and correct any folded notes and place notes neatly back into tray.

TROUBLESHOOTING

The BNF makes use of both audible beeps and a green LED for alerts.

- **1** Beep: The unit has finished processing notes in the inlet tray.
- **2** Beeps: During normal processing, a note was rejected.
- **3** Beeps: Normal processing was interrupted, the unit is "out of service"

If the unit beeps *twice and then 3 times,* the reject tray is full, and it is out of service.

If the unit beeps *once and then 3 times*, then the reject tray is full, but there are no further notes to process.

If the unit goes out of service, please empty both the inlet and reject trays before reinserting a bundle of notes.

- LED on steady: Normal
- 1 Blink: Host Disabled
- 2 Blinks: Jammed, or Cartridge Out
- 3 Blinks: LRC Detect Error
- 4 beeps: Unit Electronics Fault
- Continuous Blinking: LRC Full
- Not Lit: Check power to unit

TROUBLESHOOTING_____

Jam Clear/Note Tray/Cartridge:

The MEI Bunch Note Feeder will try to clear itself of any jams. If it is unable to do so, the note path is easily accessible with the removal of the note tray and cartridge assembly. The note tray is held in place by 2 locking studs on the top arm of the spring loaded latching assembly. To remove it, squeeze the bottom of the yellow latch to lower the arm with the 2 locking studs, lift the tray up slightly to clear the lower edge, and pull it forward. See Note Tray Removal section on page 11. To reinstall it, squeeze the bottom of the yellow latch to lower the arm and set the lower edge of the tray into place. Align the 2 studs and move the upper arm forward into position. Release the bottom of the latch, making sure the studs engage and lock into place.

The Transport Cartridge can now be removed. To remove the cartridge, locate the yellow release lever on the left side and push it inward with your finger. While the lever is depressed, grip the extraction tab and gently pull outward (figure 4). See Cartridge Removal section on page11.When reinserting the cartridge, please make sure the gate is on top, but resting down and not sticking up, or it may be damaged. The release lever must return down to the locked position.

Figure 4. Yellow release lever & extraction tab   Figure 5. Gate location

TROUBLESHOOTING_____

Note Tray Removal

Do not power off device or safe.

1) Squeeze yellow latch up

2) Remove tray
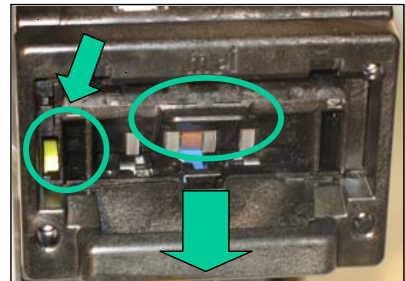
Cartridge Removal

1) Press and hold yellow lever.

2) Pull cartridge tab while lever is pressed.

3) Remove cartridge fully by gripping tab.
   (Unit may try to reject any stuck notes)   .

4) Look for stuck notes and remove.

Note: There is a blue belt permanently installed
behind the cartridge assembly. Do not clean this belt
The BNF uses a friction system to strip the notes from
one another. Any cleaning solvent will damage this system.
Do not pull on the belt when removing any debris from

TROUBLESHOOTING

SC Bill Acceptor Diagnostic Codes

🔴 Red conditions - Hard Fault.   One of the note acceptor components needs to be replaced.
🟡 Yellow condtions - Soft Fault   The operator can correct the issue at the machine.
🟢 Green conditions - No Fault   No problem with the note acceptor.

🟢🟡🔴 Solid Light   🟢🟡🔴 Flashing Light

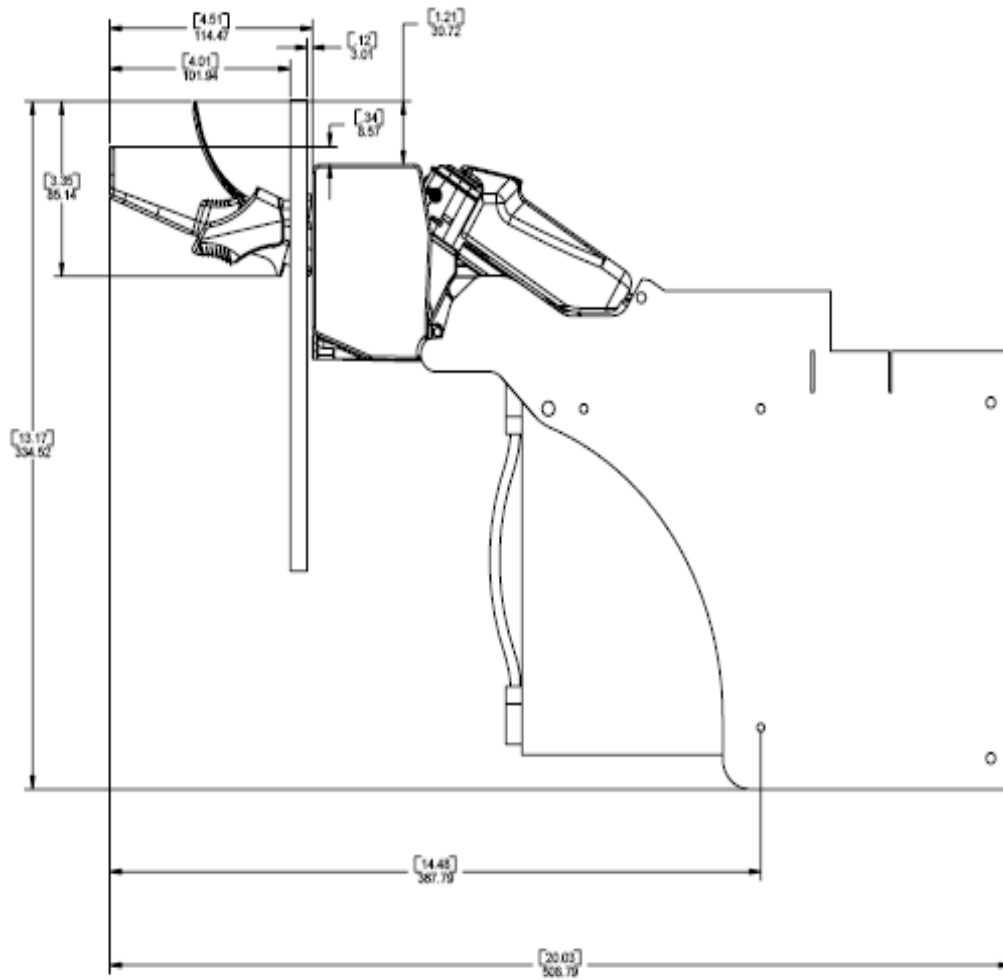| LED Indicators	Status	You Need to
Solid Green 🟢	Normal	Take no action
1 Flash Green 🟢	Disabled by machine interface	Fix the machine condition (e.g. fill the coin hopper)
2 Flash Green 🟢🟢	Disabled by network interface (if applicable)	Correct the network condition
Solid Yellow 🟡	Cashbox not seated or not present	Re-seat the cashbox
1 Flash Yellow 🟡	Poor acceptance	Clean the acceptor
2 Flash Yellow 🟡🟡	Jam in acceptor	Clear the jam from the acceptor
3 Flash Yellow 🟡🟡🟡	Jam in cashbox	Remove the acceptor and try to clear jam
Solid Red 🔴	Cashbox full	Replace with an empty cashbox
1 Flash Red 🔴	Acceptor fault	Replace the acceptor with a programmed spare
2 Flash Red 🔴🔴	Interface board hardware fault	Replace the interface board
3 Flash Red 🔴🔴🔴	Invalid Config. Coupon	Edit or Refill another Coupon
Green-Yellow-Red Solid Lights 🟢🟡🔴	Hardware fault	Re-program or Replace Interface Card
Green and Red Flashing 🟢🔴	In Calibration Mode	Insert Calibration/ Test Coupon

DRAWINGS

Door Mount
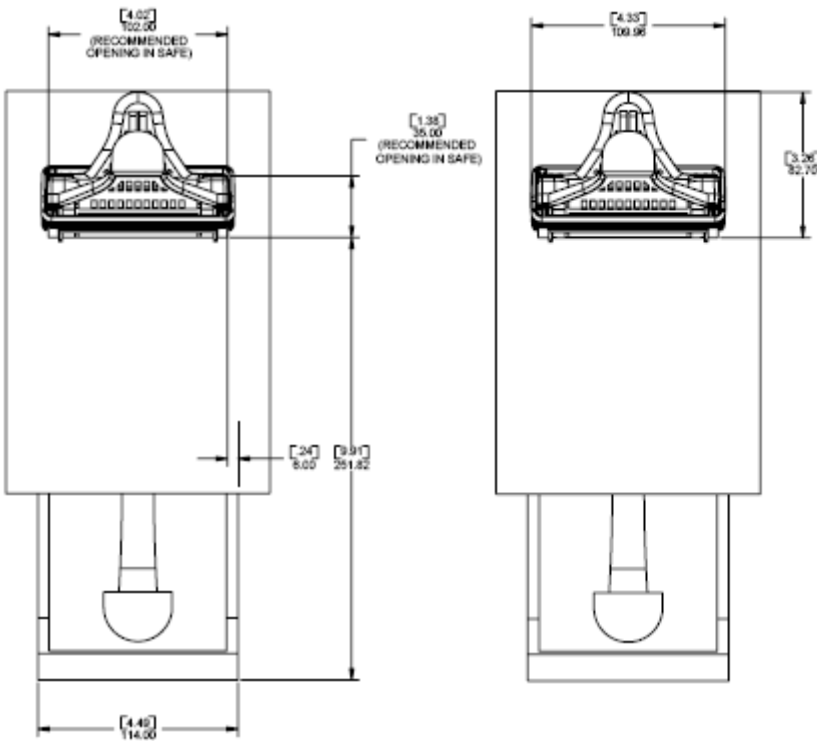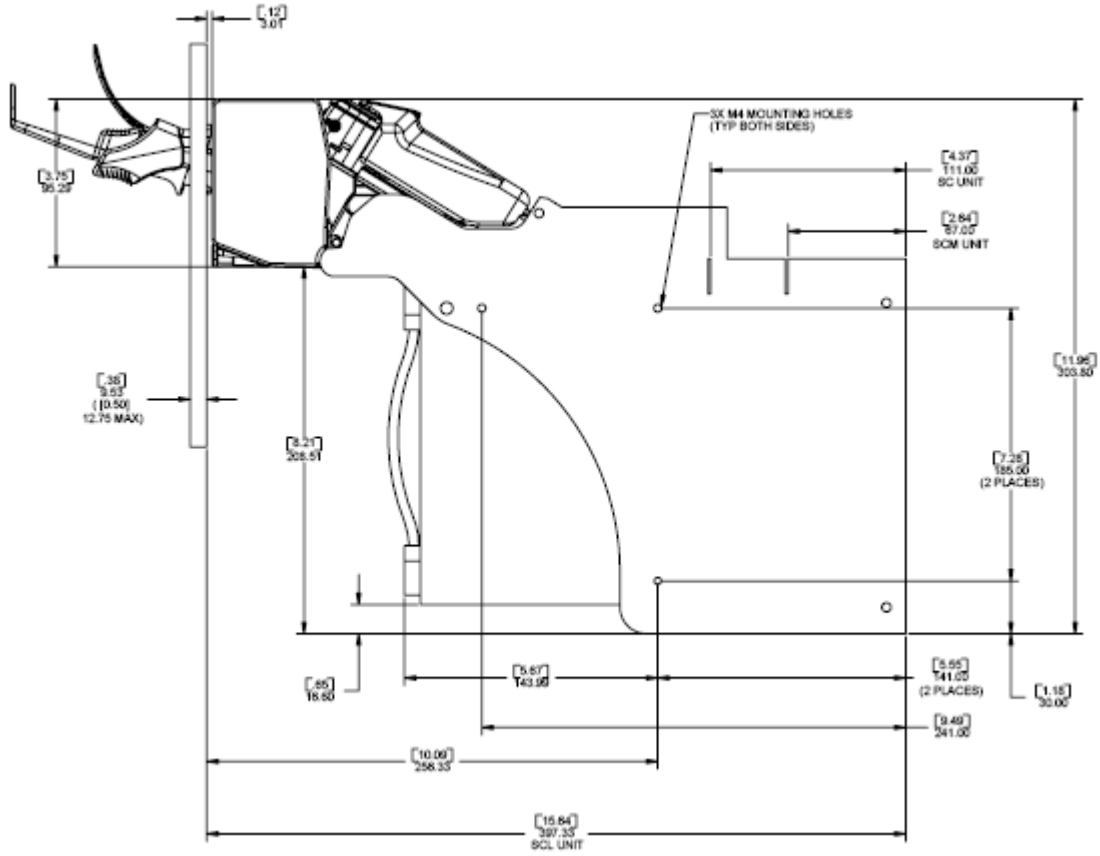
DRAWINGS

Door Mount

DRAWINGS

Bracket Mount