Things to look for...

- Remove bills from the drum until you see a "space" between the bills. Normally, this is between two and five bills.
- Also, do a visual inspection for any dirt and debris that may have caused the jam.

Clearing Jams

To remove a Jammed Bill from the Cassette:

1. PUSH yellow tab forward
2. LIFT Cassette UP
3. Remove the Jammed Bill

This shows how to manually clear a Bill Jam from the Recycler.

(Instead, you can also clear a Bill Jam by pressing and holding down the "MODE" Button. Make sure to feed out between two and five bills when clearing a jam.)
VN2700 Upgrade to VN2700R

**Note:** If your VN2700 was manufactured prior to week 48, 2009, you will need to send your Bill Validator to an Authorized Service Center to be upgraded with a Recycler Module. If your VN2700 has the Recycler Ready Symbol on the label, your VN2700 can be upgraded in the field.

1. Make sure power to the vending machine is OFF.
2. Remove Bill Cassette.
3. Disconnect and remove “Y” MDB cable. (This cable is not used with the Recycler.)
4. Remove the VN2700 from the vending Machine.
5. Remove the Black Rain Shield by pressing a screwdriver in the bottom slot and sliding the cover up. Install the new Rain Shield. Slide it down until it snaps into place. (The difference between the two shields is that the new one has the edge filed off so that the new 30-pin connector from the Recycler will fit.)
6. Remove bottom LED Housing – Pull up the metal bar and remove the housing from the chassis. Disconnect the 8-pin cable going to the VN2700 control board.
7. Insert Recycler module. Make sure it clicks into place. (Pull back on the Recycler to ensure it locked into place.)
8. Connect Recycler harness to the FRONT of the Bill Validator using the 30-pin connector.
9. Connect the 8-pin connector between Recycler and the SIDE of the bill validator, (where the bottom of the LED housing was connected.)
10. Connect the 6-pin Male MDB (CONNECT ONLY) cable to the coin changer. (NEVER connect a device between the coin changer and the VN2700R.)
11. Connect the 6-pin Female MDB connector to the Vending Machine Controller.
12. Double check connections and then apply power to the vending machine.
13. If the MODE/SELECT display on the back of the VN2700R is ON, you are ready to proceed to the Calibration Procedure. If the display is not on, double check for loose connections.

**Calibration Procedure**

1. Apply power to the VN2700R. The rear display will read **0**.
2. To access the Setup menu, press and hold the “SELECT” button for 3 seconds or until **Ld** flashes.
3. Within 2 seconds, press and hold “MODE” until **Su** (Load) begins to flash.
4. Press and release the ‘MODE’ button 3 times until **Su** (Setup) appears.
5. Press the “SELECT” button. **rb** (recycled bill) will appear.
6. Press the “MODE” button 6 times until the display shows **Pr** (Profile)
7. Press the “Select” button. **CL** (Calibrate) will appear.
8. Press the “Select” button again and **CL** will blink rapidly.
   - You are now ready to calibrate the VN2700R.
9. Insert the Calibration paper supplied with the unit. (ONLY insert the Calibration paper. DO NOT insert a bill or coupon.) The Calibration paper will be drawn into the Recycler and then ejected in a series of steps as calibration takes place. In a few more seconds, the unit will reset with a “run and stack” action. After calibration, the rear display will show “0” indicating the Recycler is currently empty and ready for use.
10. Calibration is now complete!

**Sample VNR Installation Check List**

- Remove the set back spacer from the bezel before installation. The spacer is only used on select snack machines and will often cause interference issues with beverage machines.
- Make sure the Recycler is mounted flush against the front panel, without any cable or mechanical interference. Particularly, look for screws or studs that are too long. NOTHING can press on the recycler in any way. Even the slightest pressure will misalign it and cause it to fail. Use configuration coupon (CP mode) to set the recycler to accept $1’s and/or $20’s. The default from the factory accepts $1’s & $5’s.
- The Capacity (CA) is set to 25 from the factory.
- Set the Recycled bill (rb) to $1 or $5. Factory default is $1.
- Set Interface Level (IF) to the appropriate setting. L3 is the default. Set to L2 if accepting up to $20’s. Set to L1 if operating in MDB revision 4 mode.
- The Accept Inhibit (AI) Option can be set to “Yes”. When set to “Yes”, the recycler will inhibit acceptance of high-value bills if it cannot payout the majority of change in bills. This prevents the changer from being emptied out by a single transaction.

VN2700R Software update is complete!

VN2700R PocketRef-Final1012011         www.meigroup.com        For Technical Support Call:  1-800-345-8172

**Upgrading Software**

1. You MUST have the Bill Programming Module (BPM) programmed with the latest Recycler code.
2. Disconnect the MDB connector that supplies power and communication to the Recycler.
3. Connect BPM connector in between the Recycler and the machine. (There is no connection to the 30-pin BPM connector. This is for service center use only.)
4. Power up the machine. Recycler display will power up normally, and the RED and GREEN LEDs on the BPM will begin to Flash. **NOTE:** Programming will take about 8 minutes to complete. **DO NOT** interrupt this process or you will have to restart the process from the beginning. **DO NOT** turn off the power and **DO NOT** unplug any cables while the BPM programs the Recycler.
5. The unit will start to download software to the Recycler from the BPM as indicated by the “Double Flash” of the GREEN LED. Unit will display **BP**.
6. A “Constant Flash” of the GREEN LED indicates that the unit is downloading software to the Bill Validator. Unit will display **AP**.
7. When programming is complete, the unit will do a complete Reset, followed by a normal Run and Stack. The GREEN LED will remain “Constant ON”. **NOTE:** If at any time the RED and GREEN LEDs flash in an alternating fashion, there is a problem with the programming cycle and it needs to start over. To start over, turn OFF the machine power, count to five, then turn ON the machine power.
8. When programming is complete, power OFF the machine and disconnect the BPM.
9. Reconnect Recycler to the machine and then power ON the machine.

VN2700R Software update is complete!