

Install Manual

Model : LCDM-1000
(Cash Dispensing Unit)

Total Page : 19 pages (including cover)

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Version : V3.3(INT)



PULOON Technology Inc.

Revision Record

Rev. No	Date	Description of Change	Page
V3.0(INT)	02.04.01		
V3.1(INT)	02.04. 24	Dip switch setting (4 th on the S1)	13 page
V3.2(INT)	02.07.04	Dip switch figure	13 page
V3.3(INT)	03.07.29	Feed Module Structure and Name	6 page
		Layout of SENSOR and Name	7, 8 page

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1. Mounting LCDM-1000

1-1. Preview

To mount LCDM-1000 on ATM, a shelf will be installed on the bottom of the system.

The manufacturer of ATM can fix 4 points with M4 fixing screw, where every two mounting points are located both in front and on bottom of LCDM-1000.

1-2. Left Side Mounting Points (Originated from Front View)



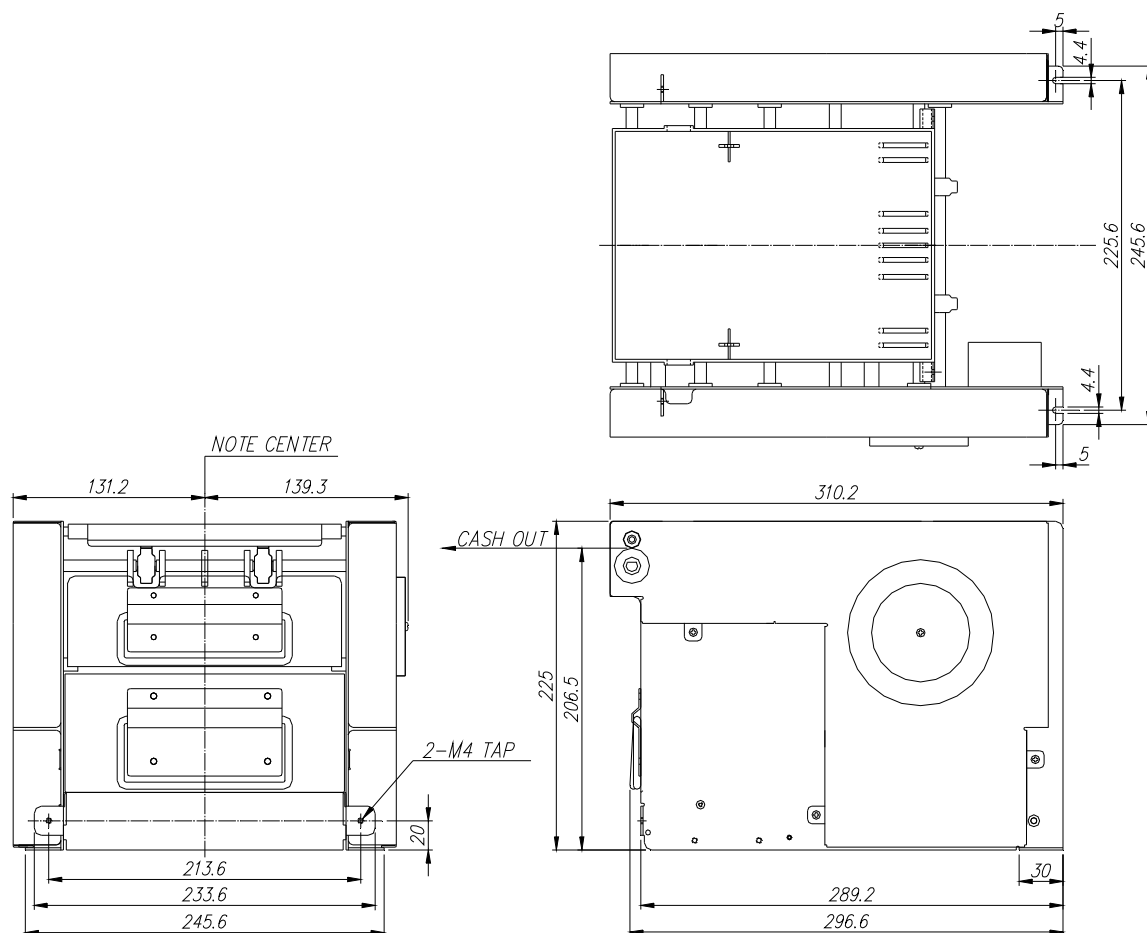
M4 screw

1-3. Right Side Mounting Points (Originated from Front View)



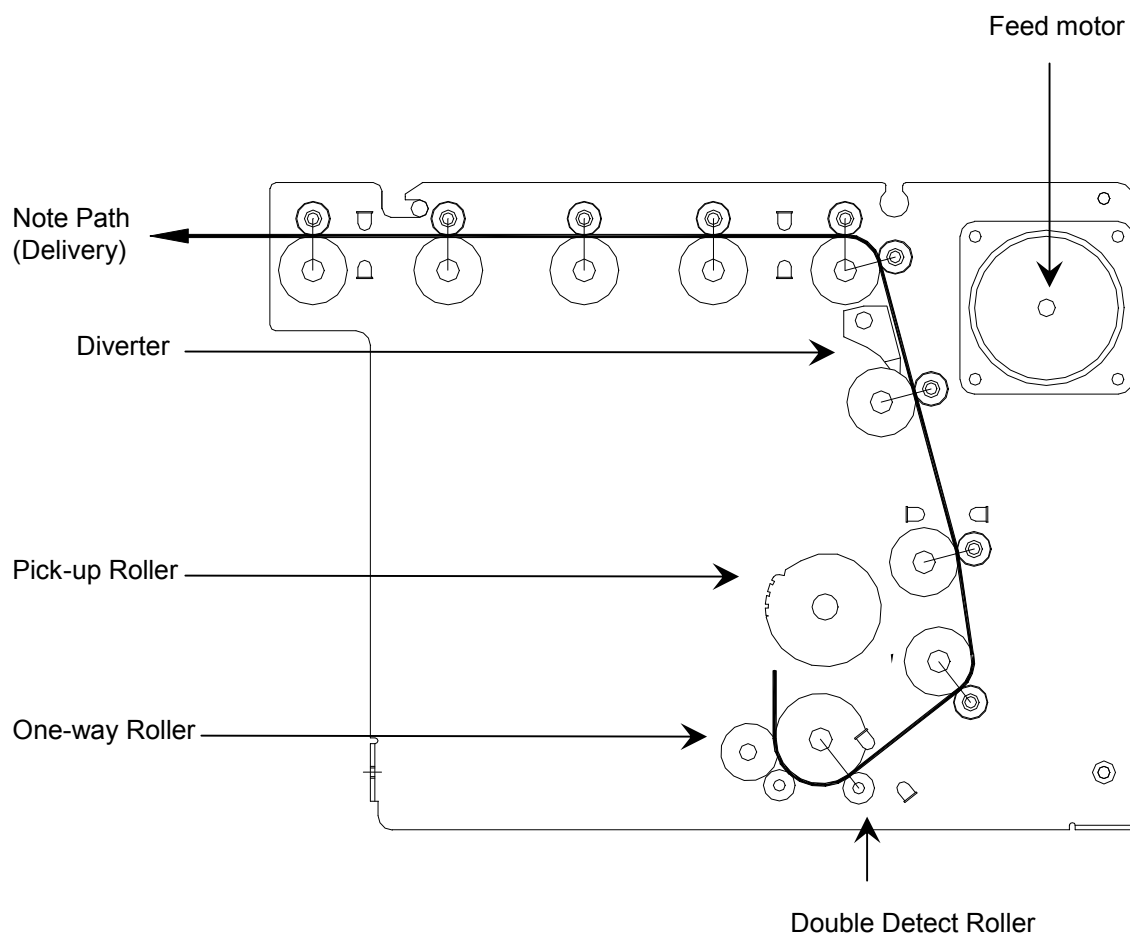
M4 screw

1-4. Layout of Mounting Points



1-5. Feed Module Structure and Name

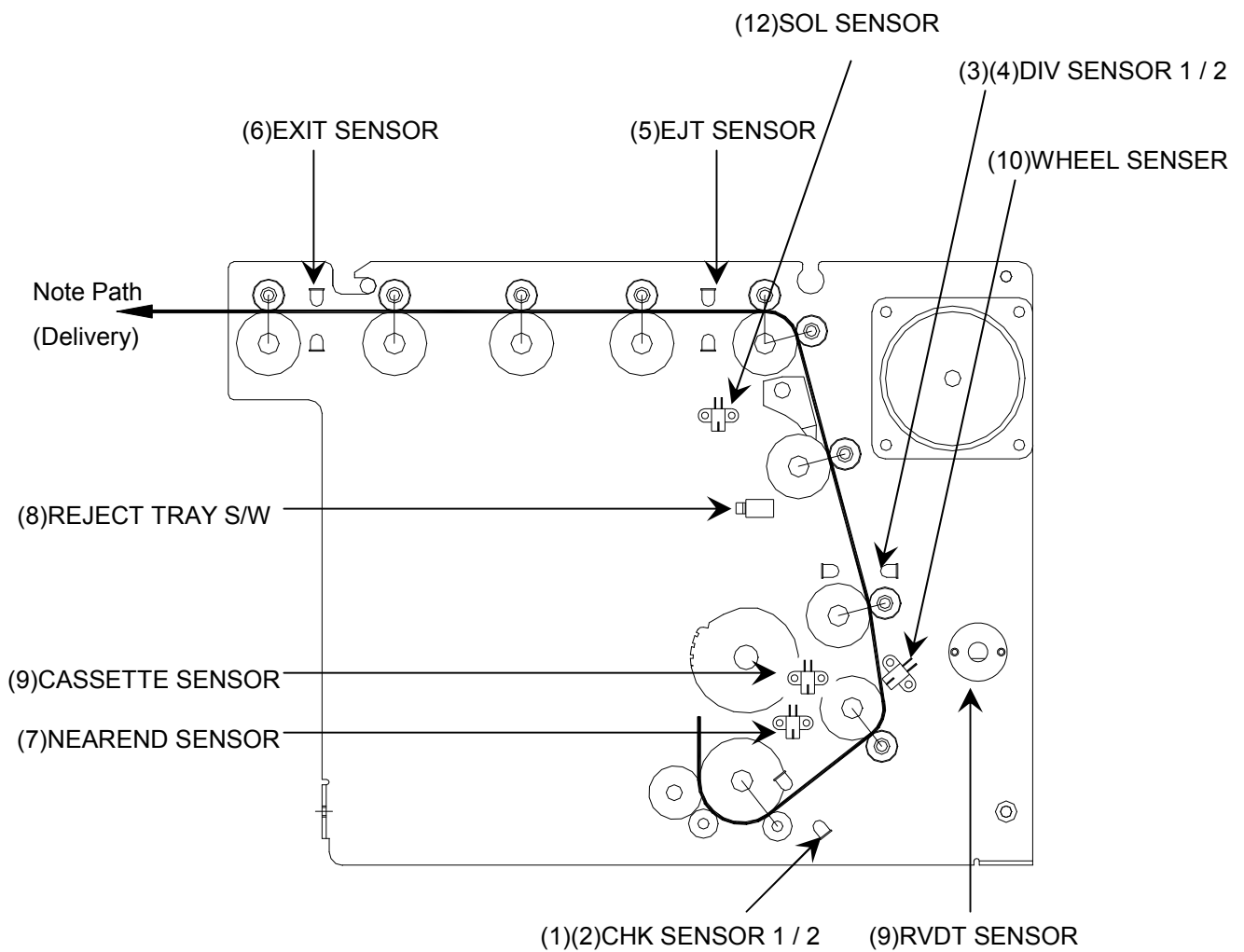
Feed Module consists of auto cash feeder part , double feeding detection part , diverting mechanism part , cash delivery part and Feature is shown below.



1-6. Layout of SENSOR and Name

The number of Sensor is 12. The function & Layout is shown below.

(1) Layout of SENSOR



(2) Function of SENSOR

NO	SENSOR Name	Function
(1)	CHK SENSOR 1	Recognition & Length,Width & Slope checking of bill from Cash cassette(motor side)
(2)	CHK SENSOR 2	Recognition & Length,Width & Slope checking of bill from Cash cassette(solenoid side)
(3)	DIV SENSOR 1	Recognition of bill location & role of divergence movement(motor side)
(4)	DIV SENSOR 2	Recognition of bill location & role of divergence movement(solenoid side)
(5)	EJT SENSOR	Recognition of normal bill location
(6)	EXIT SENSOR	Recognition of the location & the number of normal bill
(7)	NEAREND SENSOR	Recognition the number of remaining in the CASH CASSETTE
(8)	REJECT TRAY S/W	Checking the status of REJECT TRAY
(9)	RVDT SENSOR	Recognition of thickness of transported bill
(10)	WHEEL SENSOR	Control of transporting MOTOR speed
(11)	CASSETTE SENSOR	Checking the CASH CASSETTE
(12)	SOL SENSOR	Checking the Diverter solenoid

2. Power Connection

The electric power connector is located at the lower position of main control board in the back of LCDM-1000 and should be supplied with DC 24V.

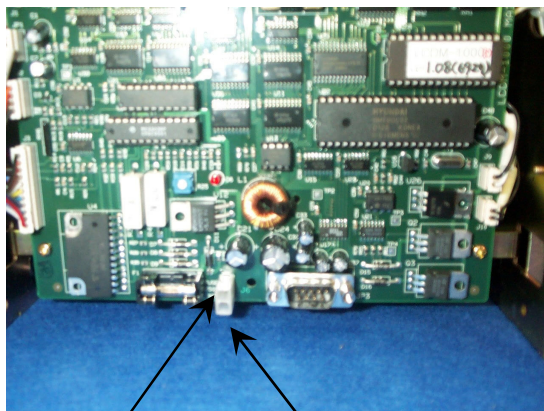
2-1. Specification of Connector

Main Control Board in LCDM-1000(Female) : MOLEX 5566VWO-02
Opposite Connector (Male) : MOLEX 5557D-02

2-2. Pin Connection

Pin No	Function
1	24 V
2	GND

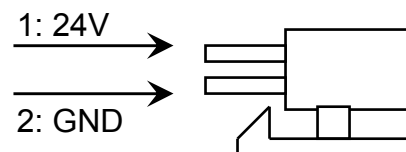
< Main Board in LCDM-1000 >



1: 24V

2: GND

< Opposite Connector >



3. Interface Connection

The communication connector is 9 Pin D-type and located at the lower position of main control board in the back of LCDM-1000.

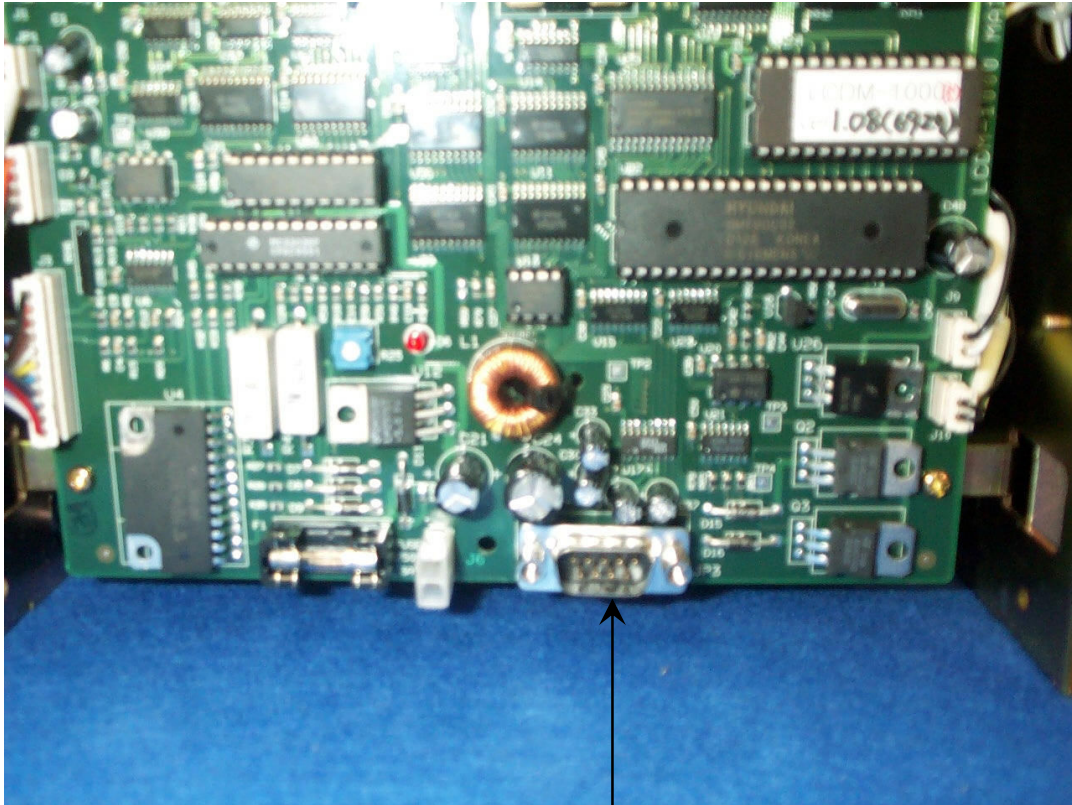
3-1. Pin Connection

Pin No	Name	Function
1		Not used
2	RXD	Received data
3	TXD	Transmitted data
4		Not used
5	GND	System ground
6		Not used
7		Not used
8		Not used
9		Not used

3-2. Specification of Serial Communication

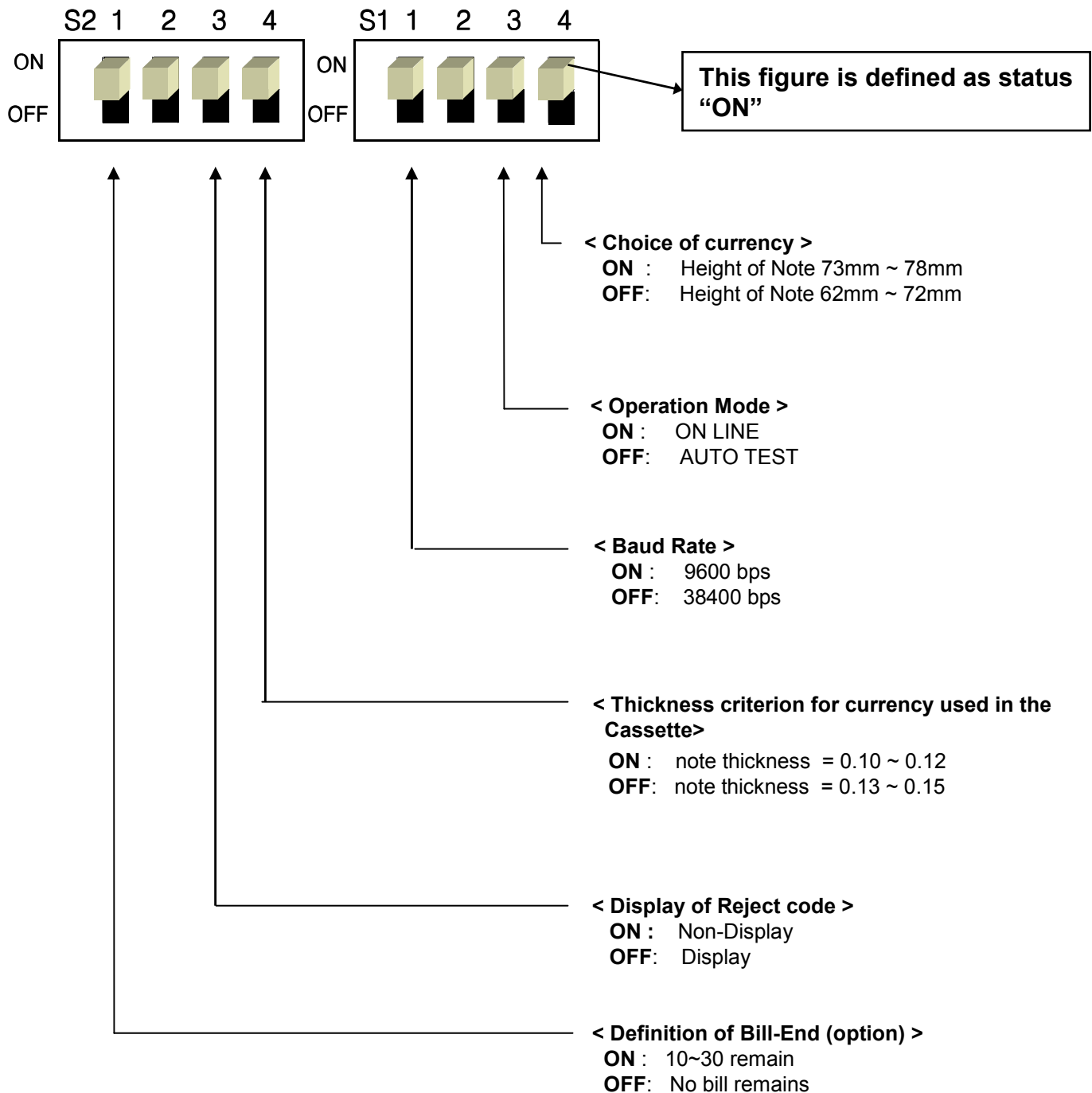
Baud rate	9600 bps
Data bits	8 bits
Parity	No parity
Stop bits	1 stop bit

3-3. Location of Communication Connector



9 Pin D-type

3-4. Specification of Dip Switch



CAUTION !

Please turn on power again after changing the Dip Switch

4. How to Charge Notes

The method of charging notes and the charging state give a great effect on the performance of a cash dispenser and should be carefully charged like below.

4-1. Aligning Notes

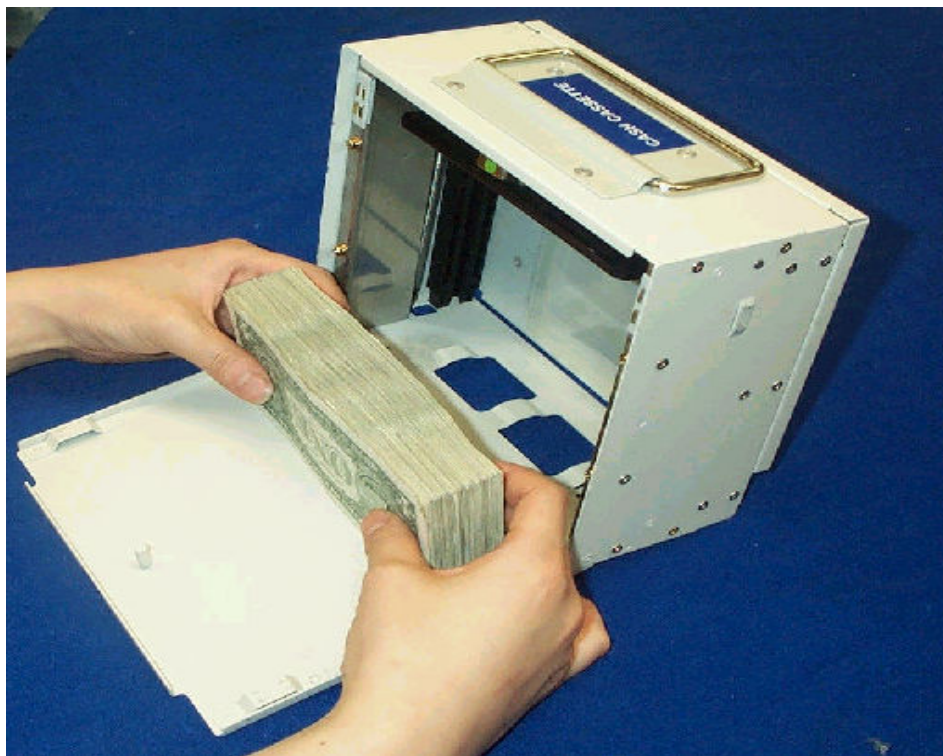
First, all notes to be charged are aligned in order like the below picture.



4-2. Laying Cassette



4-3. Arranging Notes

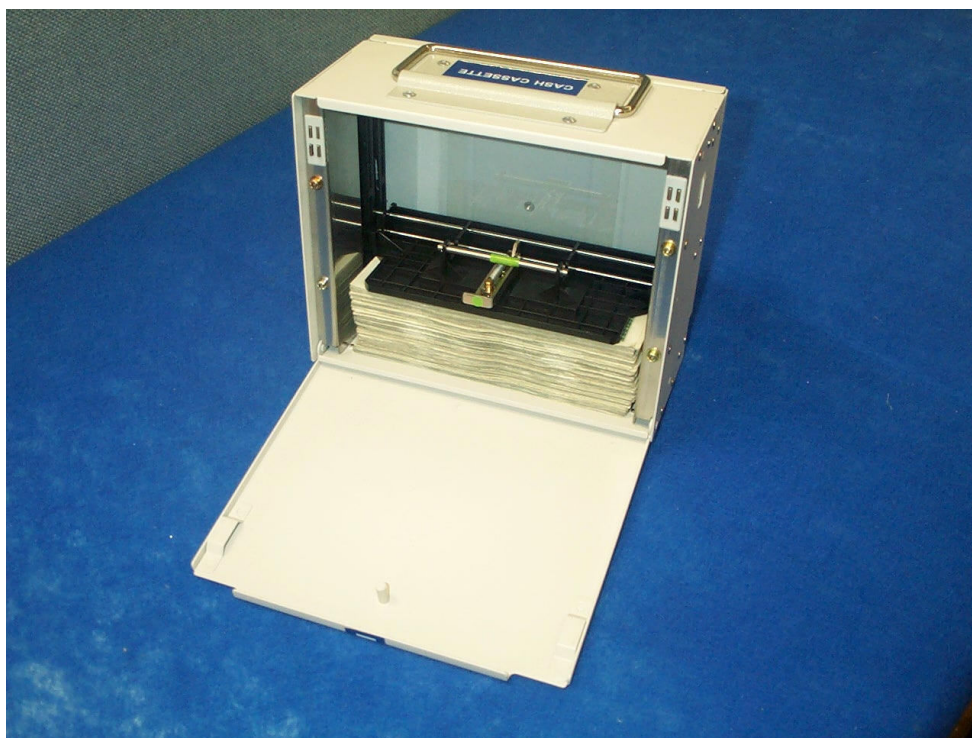
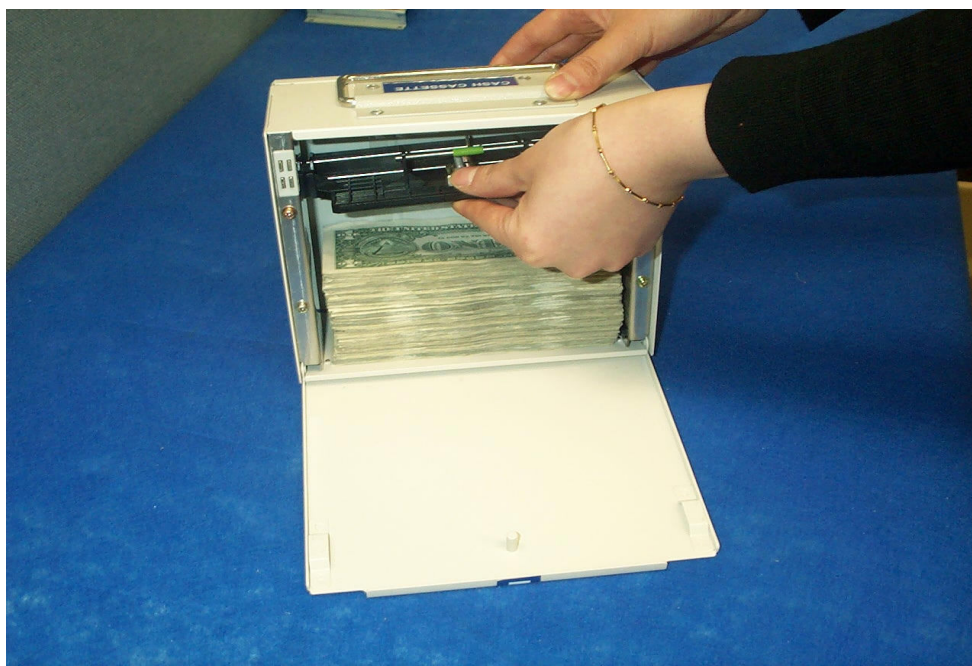


4-4. Locking Plate and Charging Notes

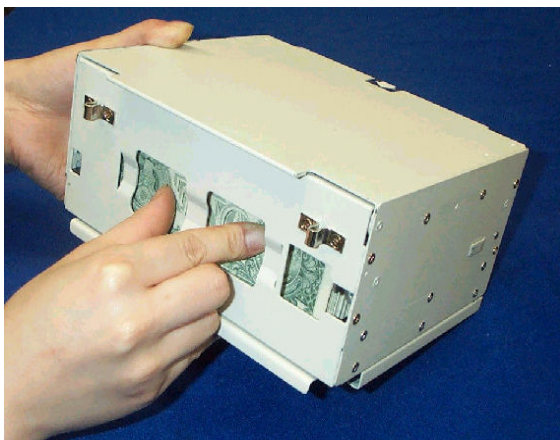
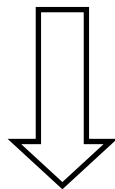
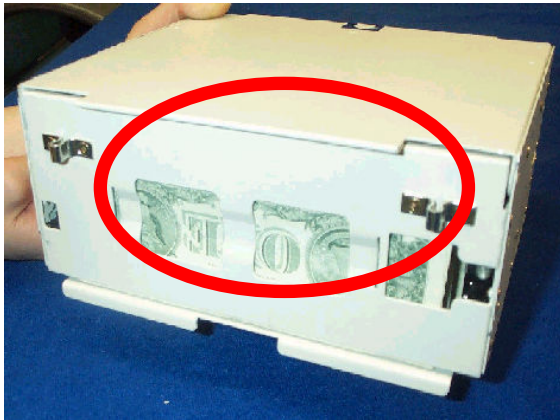


4-5. Unlocking Pushing Plate

Like below, the pushing plate should be unlocked by pressing the key.



4-6. Check point



4-7. Insertion of Cassette

The cassettes should be completely inserted up to the latching into the main body.

