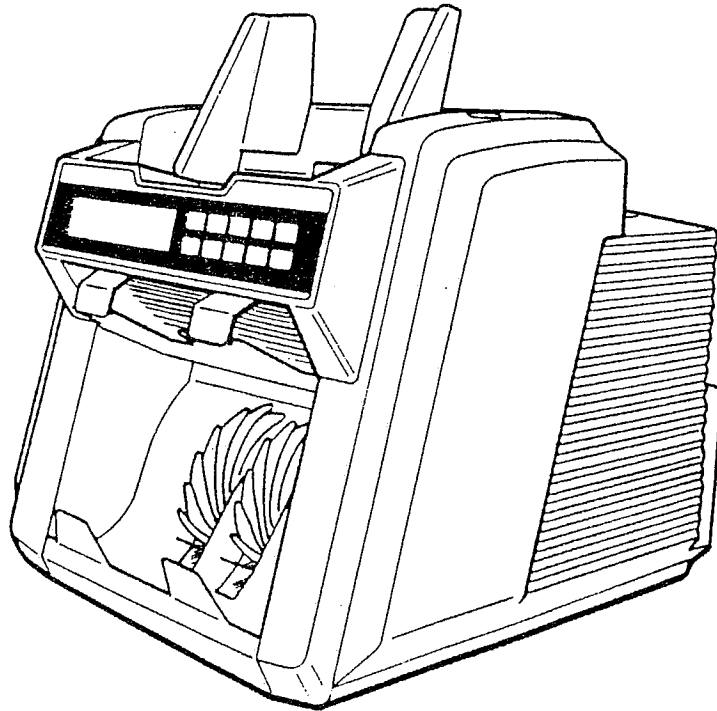


GLORY[®]

INSTRUCTION MANUAL

MODEL **GFR-100**

CURRENCY READER COUNTER



FOREWORD

We appreciate that you selected the GLORY Currency Reader Counter Model GFR-100.

Before using, please read this manual thoroughly to familiarize yourself with all functions and operations.

Please keep this manual nearby for quick reference.

The GFR-100 is designed for counting and depositing US currency. Use of modification of the GFR-100 without GLORY's permission will result in the invalidation of all guarantees.

The information contained in this manual is subject to change without notice. The contents of this manual may not be reproduced in any form without the explicit permission of GLORY.

SAFETY CONSIDERATION

To make this machine operate safely.

- The three-hole plug which can be grounded to the building ground should be used for power supply.
- No socket should be multi-wired.
- Unplug the machine before it is moved.
- Tools, fingers, hairs, clothing and other loose objects should not be placed near the hopper.
- Covers should not be opened during machine operation. The machine may operate when the hopper is opened.

To make the most use of the machine

- Avoid operation under direct sunlight.
- Do not press the operation-keys with a sharpened pencil tip or the like.
- Do not spill food or drink etc. on the machine.
- For maintenance, use authorized service agents only;
Do not perform improper maintenance.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

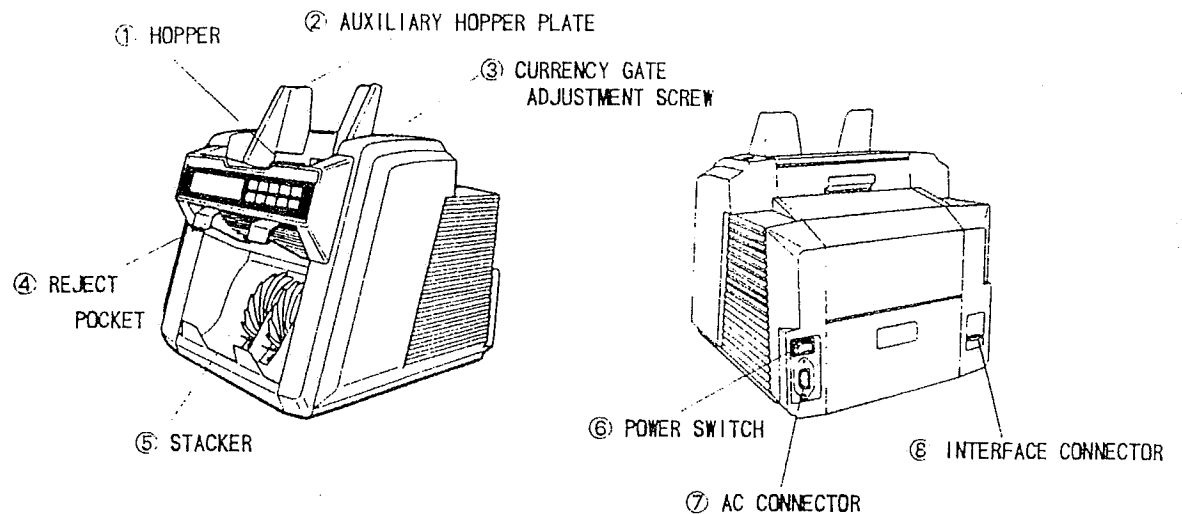
CONTENTS

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Chapter
1

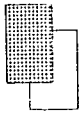
NOMENCLATURE AND BRIEF DESCRIPTION OF MAIN PARTS

APPEARANCE

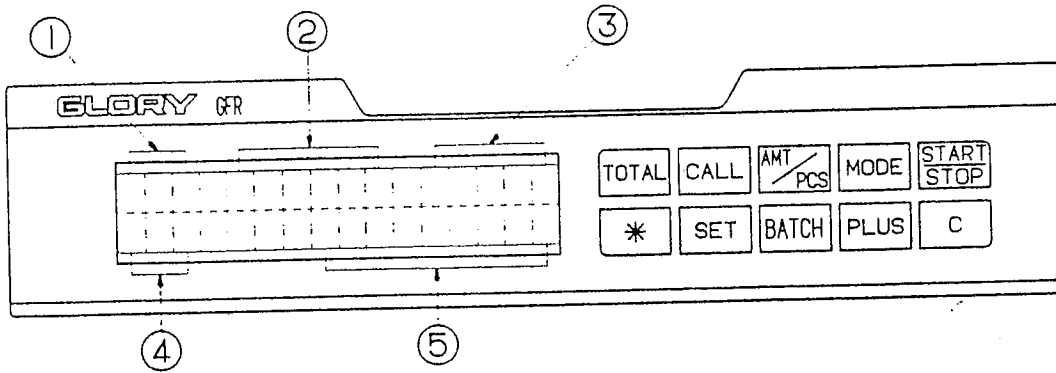


- ① HOPPER
Notes to be counted are set in the HOPPER.
- ② AUXILIARY HOPPER PLATES
Guide plates for leading the set notes to the note feeding mechanism.
- ③ CURRENCY GATE ADJUSTMENT SCREW
Used to ensure smooth counting operation regardless of paper thickness which may differ with denomination.
(Machine gate is adjusted in factory.)
- ④ REJECT POCKET
Rejected notes are stacked in the reject pocket.
- ⑤ STACKER
Counted notes are stacked in the stacker.

- ⑥ POWER SWITCH
Main power ON/OFF switch.
- ⑦ AC CONNECTOR
Power cable is connected into AC connector.
- ⑧ INTERFACE CONNECTOR (OPTION)
Used to connect a Communication Line.
(Connected with an optional Printer, SR.PC, ETC. by RS-232C)



DISPLAY OF OPERATION FUNCTIONS



Display Function

① Mode display (3 digits)

MIX	Deposit Mode	--- see Page 9
D.D	Different Denomination Detection Mode	--- see Page12
C.N.T	Counting Mode	--- see Page16

② Detail of Guidance Display

--- see Page19

③ Display of Denomination or Note numbers. (5 Digits from the right)

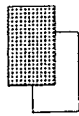
- MIX MODE ----- Blank
 - D.D MODE ----- Display of Denomination
 - CNT MODE ----- Display of Note numbers
- Display of denomination is indicated by the **CALL** or **TOTAL** key.

④ Batch Display (3 Digits from the right)

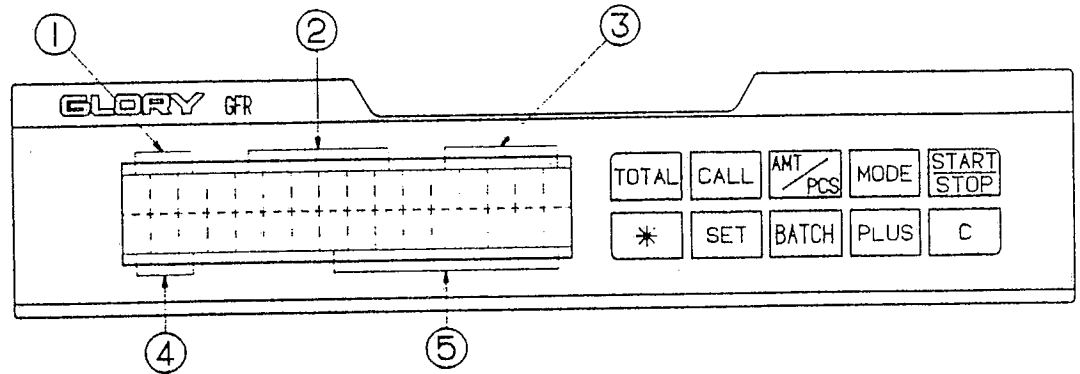
- MIX MODE ----- Blank
- D.D MODE ----- Display setting batch numbers by denomination.
- CNT MODE ----- Display setting batch numbers

⑤ Counting Display (9 Digits from the right)

- Display of Note numbers or Amount.
- Display of each denomination counting numbers or Total Amount by pressing the **CALL** or **TOTAL** key.



DISPLAY OF OPERATION FUNCTIONS



Operation Key Function.

**START
STOP**

Starts and stops counting.

C

Clears errors.
Numbers on display (5) are cleared.

MODE

Indicate one of MIX, D.D. or CNT. mode
Mode display is changed in order by pressing the key as follows.

MIX → D. D → CNT

**AMT
PCS**

In MIX or D.D. mode, count or amount can be specified.

CALL

At MIX or D.D. mode, each piece count or total amount is displayed.
Indicate the specified denomination or ALL. The mode on display (3) can be modified as follows by depressing the key.

ALL → \$ 1 → \$ 2 → \$ 5 → \$ 1 0 → \$ 2 0 → \$ 5 0 → \$ 1 0 0 → Original

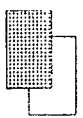
To get out of this display, press the **START
STOP** key.

TOTAL

In MIX or D.D mode, this key is used for displaying the piece count or total amount of each denomination.
Indicate the desired denomination or all. The following appears in display (3):

ALL → \$ 1 → \$ 2 → \$ 5 → \$ 1 0 → \$ 2 0 → \$ 5 0 → \$ 1 0 0 → Original

In MIX or D.D. mode, this function can be used for data acceptance.
Counting numbers or amount shown on display (5) is cleared off.
Accepted data is printed out. (OPTION)



DISPLAY OF OPERATION FUNCTIONS

SET Select category and set functions. ---see page 5,6

BATCH In CNT. or D.D. mode, specify the batch numbers.
Batch display is changed by depressing this key as follows.

1 0 0 → --- → 2 0 → 4 0 → 5 0

Number or amount shown on display ⑤ is cleared.
See Chapter 2 to change preset batch numbers. ---see page 6

PLUS In CNT. or D.D. mode, specify the batch numbers.
Batch number increases with each key depression.
Continuous key depression allows the batch number to increase more rapidly.
Max. batch number is 200.

Key Combination

CALL MIXED and D.D mode
Total amount or piece count is cleared.

↓

C

TOTAL MIX or D.D. mode

↓

After the transaction is completed, press the ***** key, and the accepted data will be printed. (option)

※ Valid when ALL is displayed. No backup is expected nor 'No paper' and 'Power off'.

TOTAL MIX or D.D. mode
Display the option of clearing data.
Valid at the ALL display.

↓

C

TOTAL CLEAR?
Y-CLEAR N-START

START STOP ... Returns to the original display.

C ... Displayed piece count or amount and internal data are cleared.
When printer is connected. DAY END data is printed.

BEFORE STARTING TO USE

MACHINE SETTING

Press the **SET** key to get the setting menu, then various setting can be changed.

HOW TO CHANGE

1. Press the **SET** key to get the menu into idle condition.
2. To get the next contents, press the **SET** key.
3. Use the ***** key to change the parameter.
4. The cursor position is default.
5. Press the **START/STOP** key to get out.

CONTENTS	DISPLAY	HOW TO CHANGE
Brightness of LCD	<pre>L:CD:ADJ: L---M---H--->* DARK → LIGHT</pre>	Move cursor with the * key
Counterfeit Detection Setting the level of detecting counterfeit note.	<pre>C:F LEVEL SET OFF--M--H:--->* OFF → SEVERE</pre>	
Stop on suspected note Machine will stop when a suspected is detected.	<pre>S.T.O.P. O.N. S.U.S.P. ON / OFF --->* </pre>	
Sort mode ON/OFF --- see page 10	<pre>D.ENOM. S.O.R.T. M.I.X. ON / OFF --->* </pre>	
Orientation sorting mode ON/OFF --- see page 14	<pre>O.R.I.E.N.T.A.T.I.O.N. D. D. ON / OFF --->* </pre>	
Add function (MIX mode) Counted data will be accumulated --- see page 9	<pre>A.D.D. ON / OFF --->* </pre>	

BEFORE STARTING TO USE

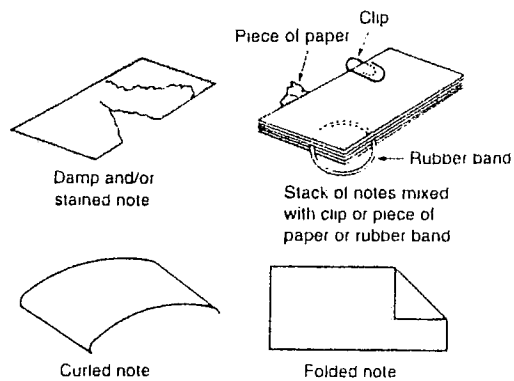
CONTENTS	DISPLAY	HOW TO CHANGE
Batch accumulation (D.D mode) --- see page 15	<pre>B A T C H : A C C : D . D : O N : / O F F : -> *</pre>	Move cursor with the <input type="button" value="*"/> key
Double Detection(CNT mode) Setting density level of notes in CNT mode.	<pre>D N S T Y : S E T : C N T : L - M - H : -> *</pre> <p>DARK→LIGHT</p>	
Double Detection(MIX and D.D mode) Setting density level of notes in MIX and D.D. mode.	<pre>D N S T Y : S E T : M I X : D D : L - M - H : -> *</pre> <p>DARK→LIGHT</p>	
Auto start ON/OFF Machine will start automatically when notes are set on the hopper	<pre>A U T O : S T A R T : S E T : O N : / O F F : -> *</pre>	
Repeat function ON/OFF Machine will start automatically after removing notes from the stacker.	<pre>R E P E A T : S T A R T : S E T : O N : / O F F : -> *</pre>	
Preset batch Preset batch amount can be changed with pressing the <input type="button" value="BATCH"/> or <input type="button" value="PLUS"/> key. Preset batch amount is displayed with pressing the <input type="button" value="CALL"/> key on D.D or CNT mode.	<pre>P R E S E T : B A T C H : S E T : 2 . 0 -> 4 . 0 -> 5 . 0 -> 1 0 . 0 *</pre> <p style="text-align: center;">1 2 3 4</p> <pre>-> 1 -> 2 -> 3 -> 4 -></pre>	<p><input type="button" value="*"/> --move cursor</p> <p><input type="button" value="BATCH"/> --change batch number by 10</p> <p><input type="button" value="PLUS"/> --change batch number by 1</p>
Printer Interface ON/OFF (Option) --- see page 17, 18	<pre>P R I N T E R : I / F : O N : / O F F : -> *</pre>	Move cursor with the <input type="button" value="*"/> key

Chapter
3

HOW TO SET NOTES ON THE HOPPER

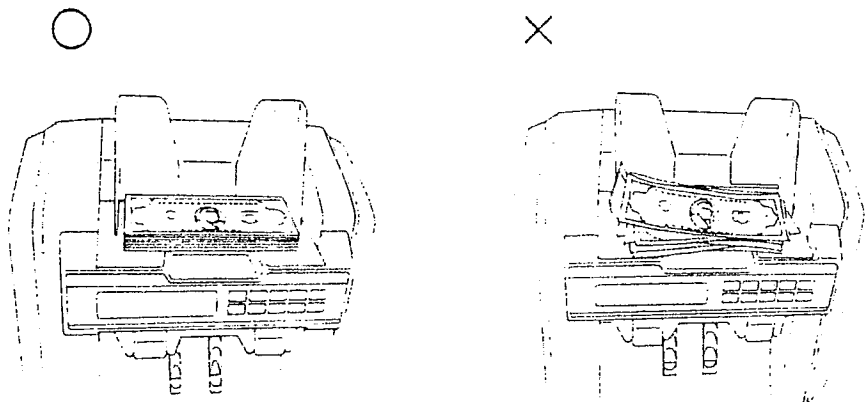
Precautions to be taken when setting notes for counting.

- Damp and/or badly stained notes should be avoided.
- Check that no foreign matter (piece of paper, clip, dust, etc.) is mixed into the bundle of notes.
- Folded or curled notes should be straightened before they are set on the hopper.
- For brick notes (bundles of new notes that are stuck to each other with ink), bend and flex the stack before setting it on the hopper.



How to align the notes to be counted.

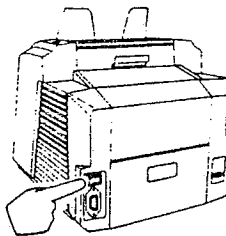
- Align the long and short edges of the notes by tapping the stack; insufficient alignment will cause an operation error.
- Set notes on the hopper face up. (MIX or D, D mode)



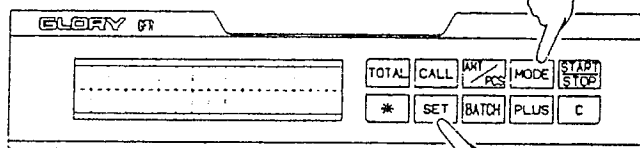
HOW TO OPERATE MACHINE

BASIC OPERATION

- ① Turn on the power switch located on the back side of the machine.



- ② Press the **MODE** key to set the MIX, D.D, and CNT. mode.



- ③ Set all default setting by pressing the **SET** key.

---see page 5, 6

- ④ Set notes on the hopper face up.

---see page 7

- ⑤ If Auto start is ON: Machine automatically starts counting.

If Auto start is OFF: Press the **START STOP** key.

- ⑥ Machine shows the amount or pcs. counted on the display.

- ⑦ Machine will stop when it reaches specified batch amount (D.D or CNT mode) or the stacker is full (200pcs.).

If Repeat is ON: Machine automatically starts counting after notes are removed from the stacker.

If Repeat is OFF: Press the **START STOP** key after notes are removed from the stacker.

- ⑧ Counting is completed.

- ⑨ Press the ***** key to accept the data counted. (except CNT. mode)

Data is kept in memory.

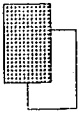
※ If optional printer is connected, total data prints.

- ⑩ Press the **TOTAL** and ***** keys to display total data.

※ If optional printer is connected, total data is prints.

- ⑪ Press the **TOTAL** and **C** keys to clear all data.

※ If optional printer is connected, cleared data prints.



HOW TO OPERATE MACHINE

MIX MODE ---- DEPOSIT MODE

SORT MODE FUNCTION

Machine stops everytime whenever another denomination note is detected, so that mixed notes will be sorted by each denomination.

① Press the **SET** key and select sort mode function as follows.

DENOM:	SORT:	MIX:
ON / OFF	→*	

② Move cursor to ON position.

③ Press the **START STOP** key to get out of this screen.

《Example operation》

① Set mixed notes on the hopper.

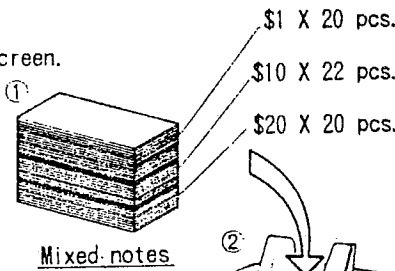
② Machine starts counting.

Machine will stop when another denomination note is detected.

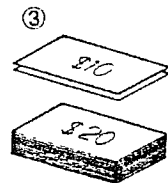
※ All \$20 notes and 1 or 2 pcs. of \$10 notes are counted in the stacker.

Denomination changed

MIX:	CHANGE:	\$1.0
		\$4.20



\$10 X 2pcs. = \$20
\$20 X 20pcs. = \$400



③ Remove all notes from the stacker, then separate \$20 notes and \$10 notes by hand.

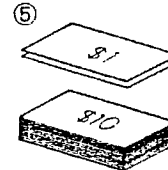
④ Repeat start ON : Machine will start counting automatically.

Repeat start OFF: Press **START STOP** key to start counting.

⑤ Machine will stop when another denomination note is detected.

※ All \$10 notes and 1 or 2 pcs. of \$1 notes are counted in the stacker.

\$1 X 2 pcs. = \$2
\$10 X 20pcs. = \$200



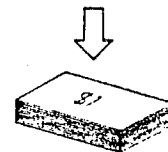
⑥ Continue ③ and ④.

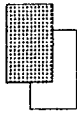
\$1 X 18pcs. = \$18

⑦ Counting is completed.

MIX:		\$6.50
------	--	--------

TOTAL \$650





HOW TO OPERATE MACHINE

MIX MODE ---- DEPOSIT MODE

MANUAL ENTRY

Rejected notes can be entered manually only for MIX mode.

① After counting is completed, press the **CALL** key and select the denomination.

② Enter pcs. by pressing the **PLUS** key

MIX	CALL	\$1
+\$2		\$123

★ If too many are entered, decrease the amount by pressing the **BATCH** key.

Manual entry EX.
EX. Press the **PLUS** key twice.

③ Accept manual entry, press the **SET** key.

MIX	CALL	\$1
ENTERED		\$125

Added \$2

★ To get out of manual entry without accept, press the **CALL** key.

④ To change the denomination and enter manually, continue ①~③.

⑤ Accept and add to total

Once the ***** key is depressed, the total amount is added to the total and the display returns to "0".

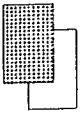
★ If optional printer is connected, the manual entry will appear as follows:

EX.

SEQ-NO. 0001	PCS.	MIXED AMOUNT
\$ 1	12 (3)	12.00
\$ 5	20 (1)	100.00
\$ 20	10	200.00
\$100	15	1,500.00
TOTAL	57 (4)	1,812.00

Manual Entry

※ Printer interface must be "ON" to input manual entry.



HOW TO OPERATE MACHINE

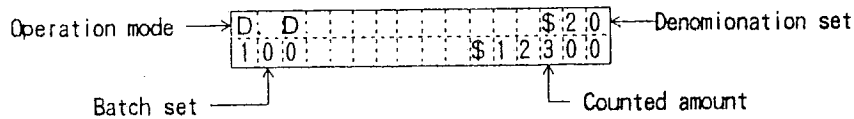
D. D. MODE ---- DETECT DIFFERENT DENOMINATION

Machine identifies first note counted and sets it as the standard denomination. Only notes of that are counted.
Any other denomination is rejected without stopping.

① Set currency on the hopper face up.

② Machine counts one denomination, then amount is shown on the display.

Machine identifies first note counted and sets it as the standard denomination. Only notes of that are counted.
Any other denomination is rejected without stopping.



REJECT POCKET
Different denomination
Face down currency
Suspicious note
Skew, Chain, Double note
Mutilated currency

③ Counting another denomination

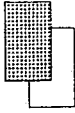
Once the currency is removed from the stacker, the next denomination can be counted.

The previous data is memorized and the display changes to the next denomination.

⑤ CLEAR DATA

To clear the data of each denomination, press the **CALL** key to select the denomination and press the **C** key.

To clear all the data, press the **CALL** key, select **ALL** then press the **C** key.



HOW TO OPERATE MACHINE

D. D. WIDE ---- DETECT DIFFERENT DENOMINATION

★ To see the amount of each denomination. press the **CALL** key.

→ Original → ALL → \$1 → \$2 → \$5 → \$10 → \$20 → \$50 → \$100

D	D	CALL	\$1:0
1	0		\$23:0

To get out of CALL screen, press the **START STOP** key.

★ Set batch amount

By denomination -----Select each denomination by pressing the **CALL** key. and

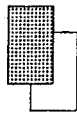
set the batch amount by pressing the **BATCH** and **PLUS** keys.

All denominations--- Select ALL by pressing the **CALL** key. and change batch

amount by pressing the **BATCH** and **PLUS** keys.

⑥ ACCEPT AND ADD TO TOTAL

Press the ***** key. the amount is added to the total and the display returns to "0".



HOW TO OPERATE MACHINE

D. D. MODE --- DETECT DIFFERENT DENOMINATIONS

BATCH ACCUMULATION SETTING

- ① Press the **SET** key into idle condition.
- ② Press the **SET** key five times to set batch accumulation.

BATCH	ACC.	D. D.
ON	OFF	→*

- ③ Move cursor to ON position.

BATCH ACCUMULATION

ON ---- Batch memory is continuously kept after the ***** key is pressed.

OFF ---- Batch memory is cleared everytime after counting completes.

EX.

BATCH SET =100 BATCH ACC. =ON D. D. MODE

1st Transaction
\$20---70 pcs.

2nd Transaction
\$20---80 pcs.

1st Transaction

Count Start

Count Finish

2nd Transaction

Count Start

Batch Stop

Count Finish

Press the ***** key to keep into memory.

D. D.	\$ 2.0
1:0:0	\$ 1.4:0:0

Batch Stop

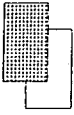
D. D.	BATCH	\$ 2.0
1:0:0		\$ 6.0:0

D. D.	\$ 2.0
1:0:0	\$ 1.6:0:0

70 pcs.

+ 30 pcs.

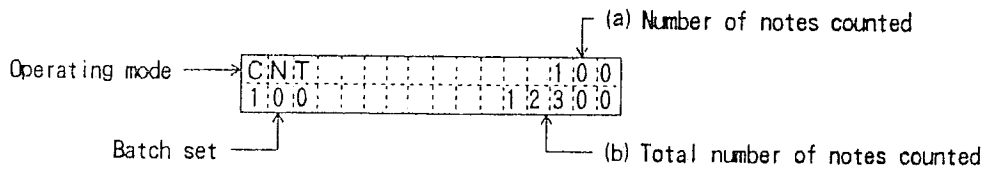
100 pcs.



HOW TO OPERATE MACHINE

CNT. MODE ---- COUNTING NOTES WITHOUT DISCRIMINATION

- ① Set notes on the hopper.
- ② Machine counts all notes.
Display shows the number of notes.



REJECT POCKET
Skew. Chain, Double note
Mutilated currency

- ③ When notes are removed from the stacker and other notes are set on the hopper, the display (a) returns to "0" and starts counting again.
The display (b) continuously counting.

★ Set Batch amount

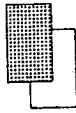
Set the batch amount by pressing the **BATCH** and **PLUS** keys.

★ Countable size

Machine counts various size of notes in CNT mode as below.

Length 140 ~ 160 mm
(5.5 ~ 6.3 inch)

Width 56 ~ 81 mm
(2.2 ~ 3.2 inch)



HOW TO OPERATE MACHINE

OPTIONAL FUNCTIONS

= PRINTER INTERFACE =

- ① Printer (CITIZEN MODELS IDP3540 RS-232C or Compatible model) can be connected to the GFR-100.
- ② After counting completed, press the * key. The data will print and be added to total.

EX. Start from NO.001 after DATA CLEAR

SEQ-NO.0001	PCS.	MIXED AMOUNT
\$ 1	12	12.00
\$ 20	10	200.00
\$100	15	1,500.00
TOTAL	37	1,712.00

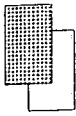
Mode of operation
MIXED or D.D.

- ③ The grand total can be printed anytime in idle condition by pressing the TOTAL and * keys.

EX. Operation mode
MIXED or D.D.

GRAND TOTAL		
NO. OF TRANSACTION	PCS.	MIXED AMOUNT
\$ 1	250	250.00
\$ 5	120	600.00
\$ 20	125	2,500.00
\$ 50	30	1,500.00
\$100	15	1,500.00
TOTAL	540	6,350.00

Number of transaction in each Mode.



HOW TO OPERATE MACHINE

OPTIONAL FUNCTIONS

=PRINTER INTERFACE=

④ All data can be cleared by pressing the **TOTAL** once and the **C** key twice.

The information automatically prints.

Whenever data is cleared, SEQ. NO. starts from "0".

GRAND TOTAL CLEAR		
NO. OF TRANSACTION	PCS.	MIXED AMOUNT
		0010 ← Number of transaction in MIX mode.
\$ 1	250	250.00
\$ 5	120	600.00
\$ 20	125	2,500.00
\$ 50	30	1,500.00
\$100	15	1,500.00
TOTAL	540	6,350.00
NO. OF TRANSACTION	PCS.	D. D AMOUNT
		0015 ← Number of transaction on D. D mode.
\$ 1	350	350.00
\$ 5	250	1,250.00
\$ 20	220	4,400.00
\$100	130	13,000.00
TOTAL	950	19,000.00

⑤ Other printing

Prints when machine is ON.

POWER ON
ERROR RESET

Prints when error is cleared.

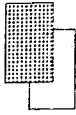
Chapter
5

CORRECTING ERRORS

When an error occurs, the error code will be indicated on the display.
Confirm the cause of the error by the indicated error code and correct the error according to the following procedures:

Detail of Guidance Display

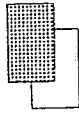
Error Code	Cause of Error	Procedure for removing the cause of error
SUSP	Suspected note is in the reject pocket.	Remove note from the reject pocket.
SUSP1 SUSP2	Suspected note(s) are in the reject pocket. SUSP1-- check last rejected note SUSP2---check last 2 rejected notes.	Remove note(s) from the reject pocket. This error happens only STOP ON SUSP is ON. --- see page 5
CALL	Display of each denomination.	Press the <input type="button" value="START"/> <input type="button" value="STOP"/> key.
BATCH	Batch stopping	Remove notes from the stacker.
TOTAL	Display of total	Press the <input type="button" value="START"/> <input type="button" value="STOP"/> key.
PRINT	Under printing	Wait until printing completes.
RJ	Rejected note is in the reject pocket.	Remove note from the reject pocket.
CHK. HP	Feeding error in the hopper.	Remove notes from the hopper, set them in again, and press the <input type="button" value="START"/> <input type="button" value="STOP"/> key.
CHK. ST	Notes are in the stacker.	Remove notes from the stacker.
CHK. RJ	Note is in the reject pocket.	Remove notes from the reject pocket.
ST. FLL	Stacker is full. (200pcs.)	Remove notes from the stacker.
RJ. FLL	Reject pocket is full. (20pcs.)	Remove notes from the reject pocket.
CL. SNR	Sensor is dirty.	Clean all sensors and press the <input type="button" value="C"/> key.
CHK. PR	Printer is in trouble or OFF.	Make sure the printer is OK and ON LINE.



CORRECTING ERRORS

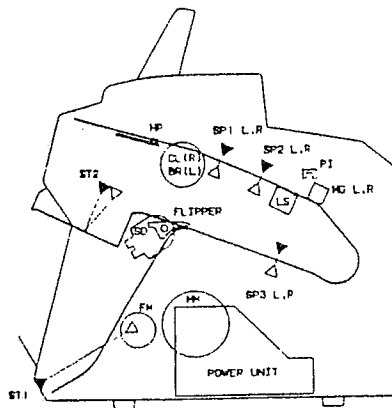
Error Code Table

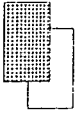
Error Code	Cause of Error	Procedure for removing the cause of error
ERR-03	Sensor (HP1) is down.	Clean the sensor and press the <input type="text" value="C"/> key --- see page 24
ERR-04	Sensor (SP1L) is down.	
ERR-05	Sensor (SP1R) is down.	
ERR-10	Sensor (SP2L) is down.	
ERR-11	Sensor (SP2R) is down.	
ERR-13 JAM	Jammed note is on SP2.	Remove jammed notes and press the <input type="text" value="C"/> key. --- see page 23
ERR-15 JAM	Jammed note is between SP2 and flipper.	
ERR-22	Machine is in trouble.	Call GLORY Service.
ERR-23		
ERR-25	Machine is in trouble.	Press the <input type="text" value="C"/> key.
ERR-26		
ERR-27		
ERR-28		
ERR-29		
ERR-30 } ERR-36	Internal I/F error.	Press the <input type="text" value="C"/> key or turn the power OFF and back ON.
ERR-40	Sensor (SP3L) is down.	Clean the sensor and press the <input type="text" value="C"/> key
ERR-41	Sensor (SP3R) is down.	
ERR-50	Sensor (ST1) is down.	
ERR-51	Sensor (ST2) is down.	



CORRECTING ERRORS

Error Code	Cause of Error	Procedure for removing the cause of error
ERR-57 ERR-61	Mortor error. Internal I/F error.	Press the <input type="text" value="C"/> key.
ERR-65 ERR-67	Machine is in trouble.	Press the <input type="text" value="C"/> key.
ERR-68	Battery error.	Jumper setting is incorrect. Call GLORY service or sales.
ERR-70	Internal I/F error.	Press the <input type="text" value="C"/> key.
ERR-76 ERR-77	Machine is in trouble.	Turn the power OFF and back ON.
ERR-80 } ERR-83	Internal I/F error.	Press the <input type="text" value="C"/> key or turn the power OFF and back ON.





CORRECTING ERRORS

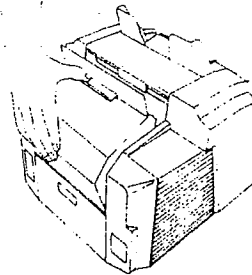
HOW TO OPEN COVER

※ Please turn the power OFF before opening the cover.

UPPER COVER

(OPEN) Push the lever towards the back side and up.

(CLOSE) Hold upper cover and push down to close firmly.

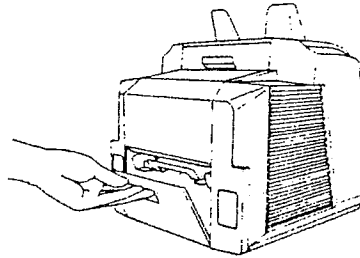


※ Please be careful not to have your fingers caught in the cover.

BACK COVER

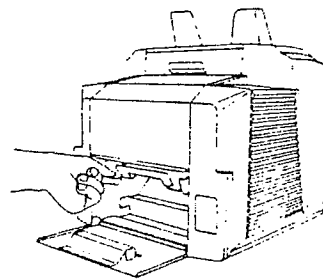
(OPEN) Pull the back cover to open.

(CLOSE) Push the back cover to close.

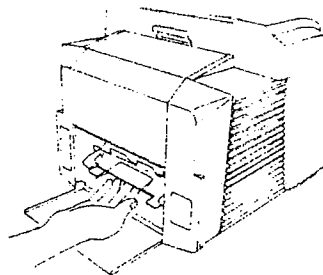


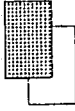
LOWER TRANSFER UNIT

(OPEN) Open the back cover.
Push down the lever slowly.



(CLOSE) Push up the lower transfer unit to lock firmly.





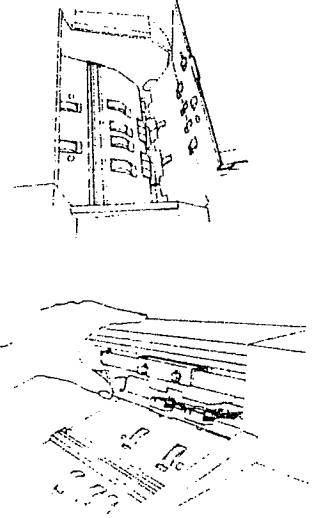
CORRECTING ERRORS

How to Remove Jammed Notes

※ Please turn the power off before opening the cover.
Please make sure the cover is closed confirmly after closing the cover.

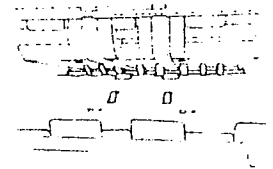
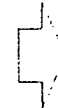
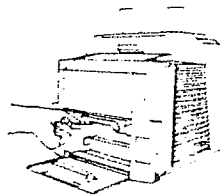
1. Open the upper cover.

If notes are on the transfer unit,
remove them.



2. Open the back cover and lower transfer unit.

If notes are on the transfer unit,
remove them.



3. Remove notes from the stacker.

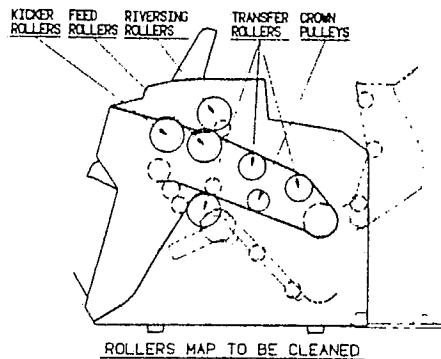
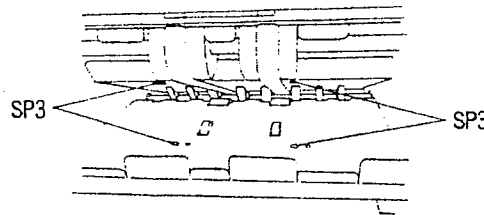
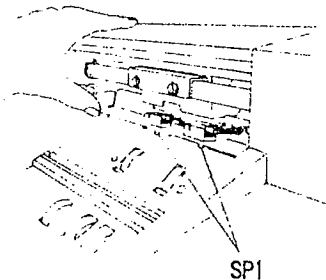
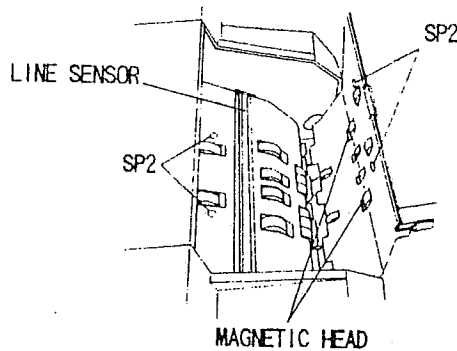
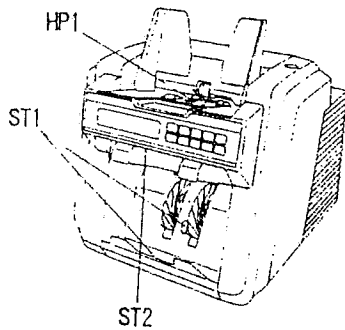
4. Press the C key.

DAILY CLEANING OF THE MACHINE

Using highly sensitive and accurate sensors as a means of measurement, the machine's performance can be affected by dust, dirt, and other foreign matter. Daily cleaning is essential to the GFR-100 efficiency. Therefore, be sure to appoint a dedicated person to service it daily with the enclosed tools.

Clean the following sections daily.

※ Please turn the power off before cleaning the machine.



Chapter
7

SPECIFICATIONS

- Dimensions:

Without hopper	335(W) X 345(D) X 300(H) mm (13.2(W) X 13.6(D) X 11.8(H)inch)
With hopper	335(W) X 345(D) X 360(H) mm (13.2(W) X 13.6(D) X 14.2(H)inch)

- Weight: Approx. 15 kg (33.3 lds)

- Counting speed: 1000 notes/min.

- Applicable notes

MIX, D.D mode:	US currency (\$1, 2, 5, 10, 20, 50, 100) (Reading face up currency, face down currency is rejected.)
CNT mode:	Length 140 ~ 160 mm (5.5 ~ 6.3 inch) Width 56 ~ 81 mm (2.2 ~ 3.2 inch)

- Feed system: Roller friction type

- Hopper capacity: Approx. 500 notes

- Stacker capacity: 200 notes

- Reject capacity: 20 notes

- Power source: 120 VAC ±10%, 60 Hz

- Power consumption

During operation:	144 VA (1.2A)
During stand by:	60 VA (0.5A)

- Environmental conditions

Temperature:	0°C ~ 35°C (during operation) (32F ~ 95F) -10°C ~ 60°C (during strage) (14F ~ 140F)
Humidity:	20% ~ 90%(no condensation is allowed)

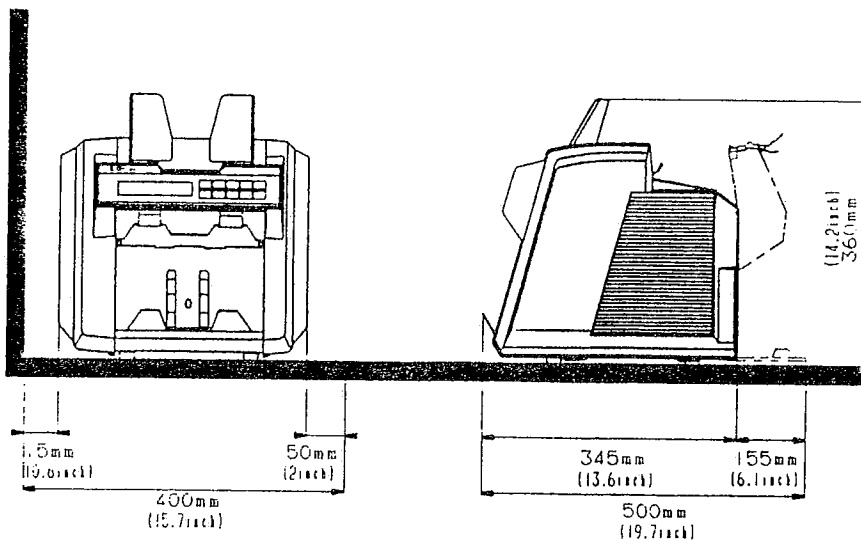
- Option:

Interface Connector (RS-232C)	Printer
	SR series
	PC

Chapter

8

INSTALLATION



Chapter

9

ACCESSORIES

- Power cord ----- 1 pc.
- Cleaning Brush ----- 1 pc.
- Silicon Cloth ----- 1 pc.
- Machine Cover ----- 1 pc.
- Instruction Manual ----- 1 pc.

GFR-100
Instruction Manual VOL. 2
Revised Aug. 31 1995
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