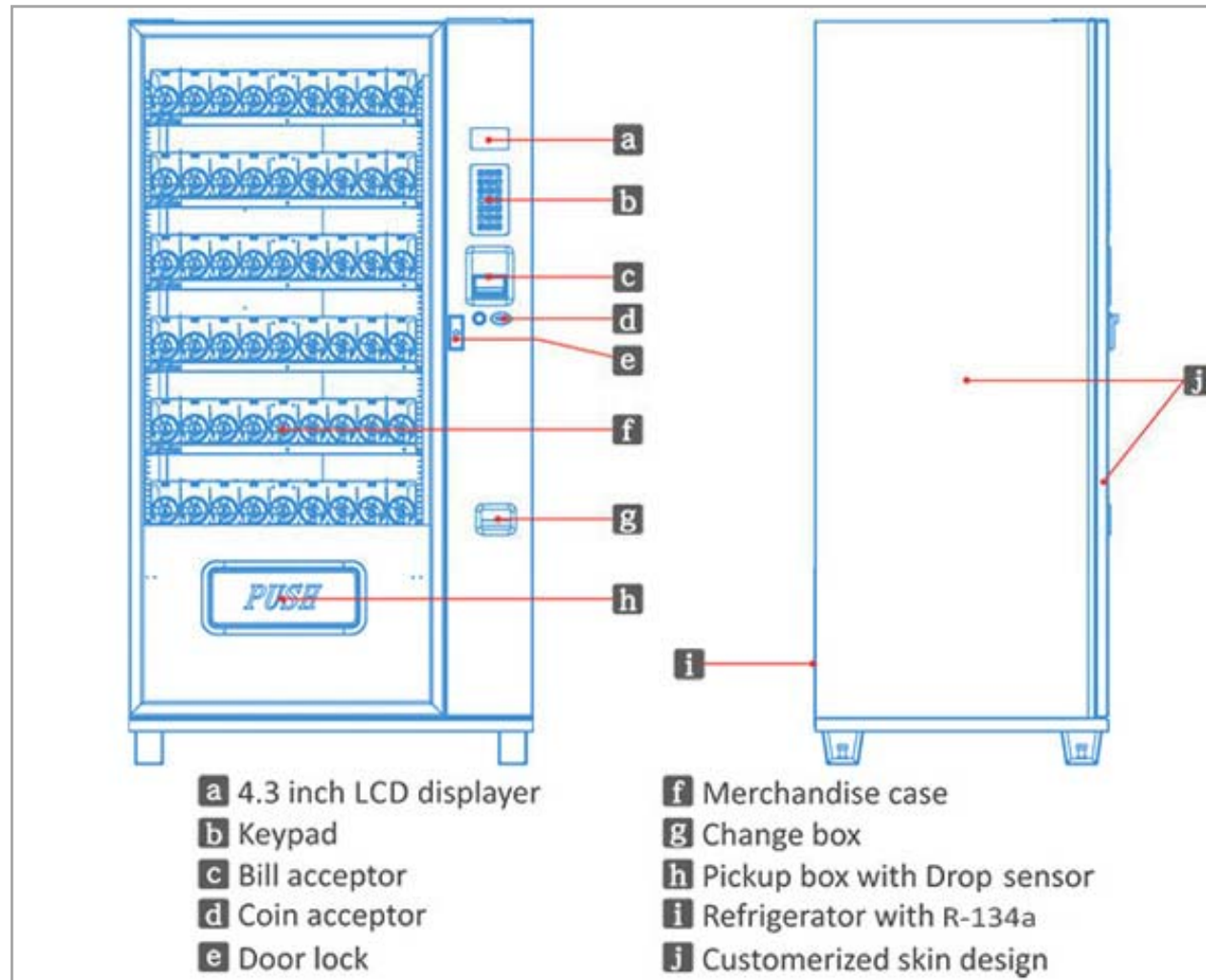
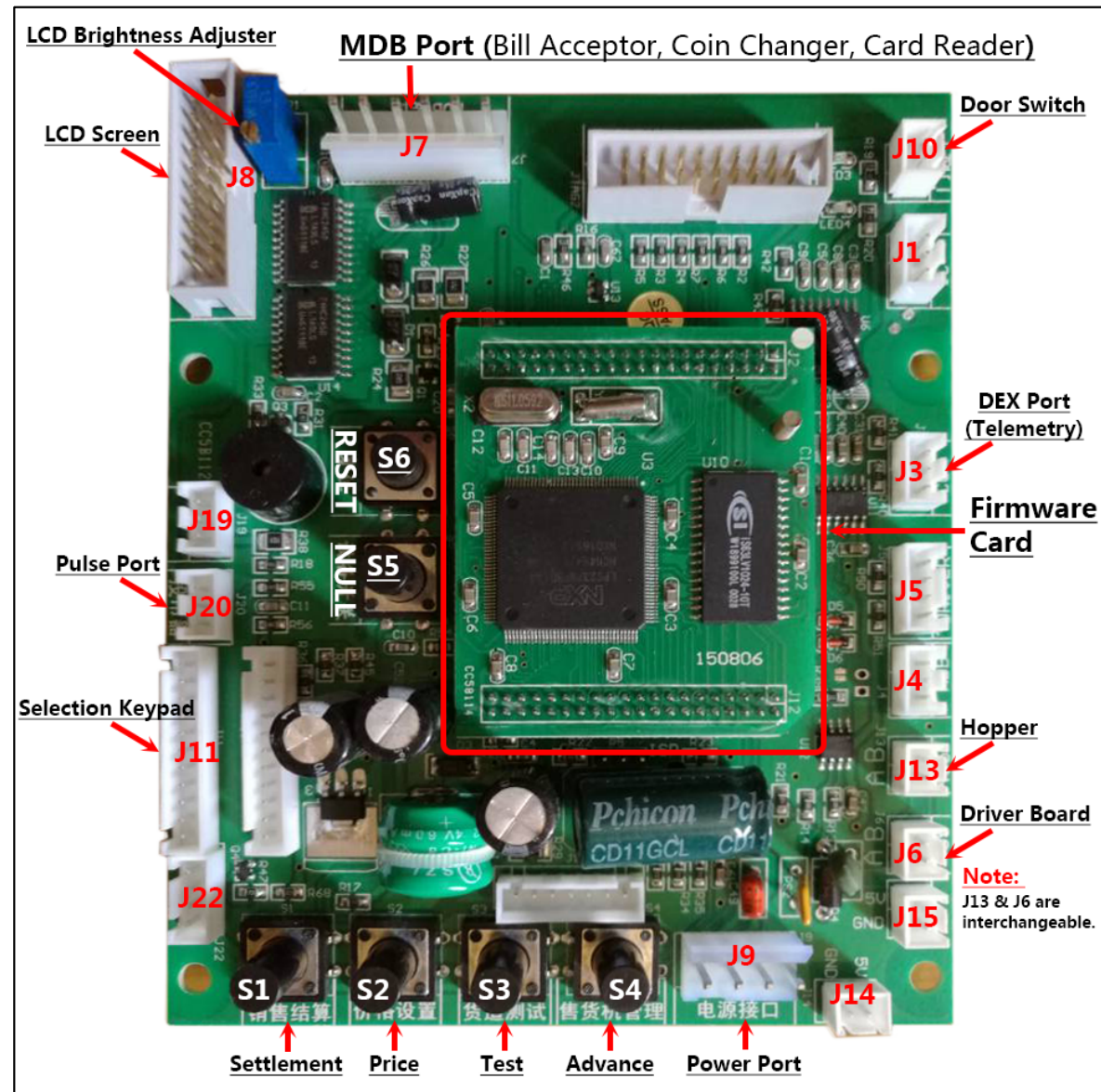


KM SERIES VENDING MACHINES

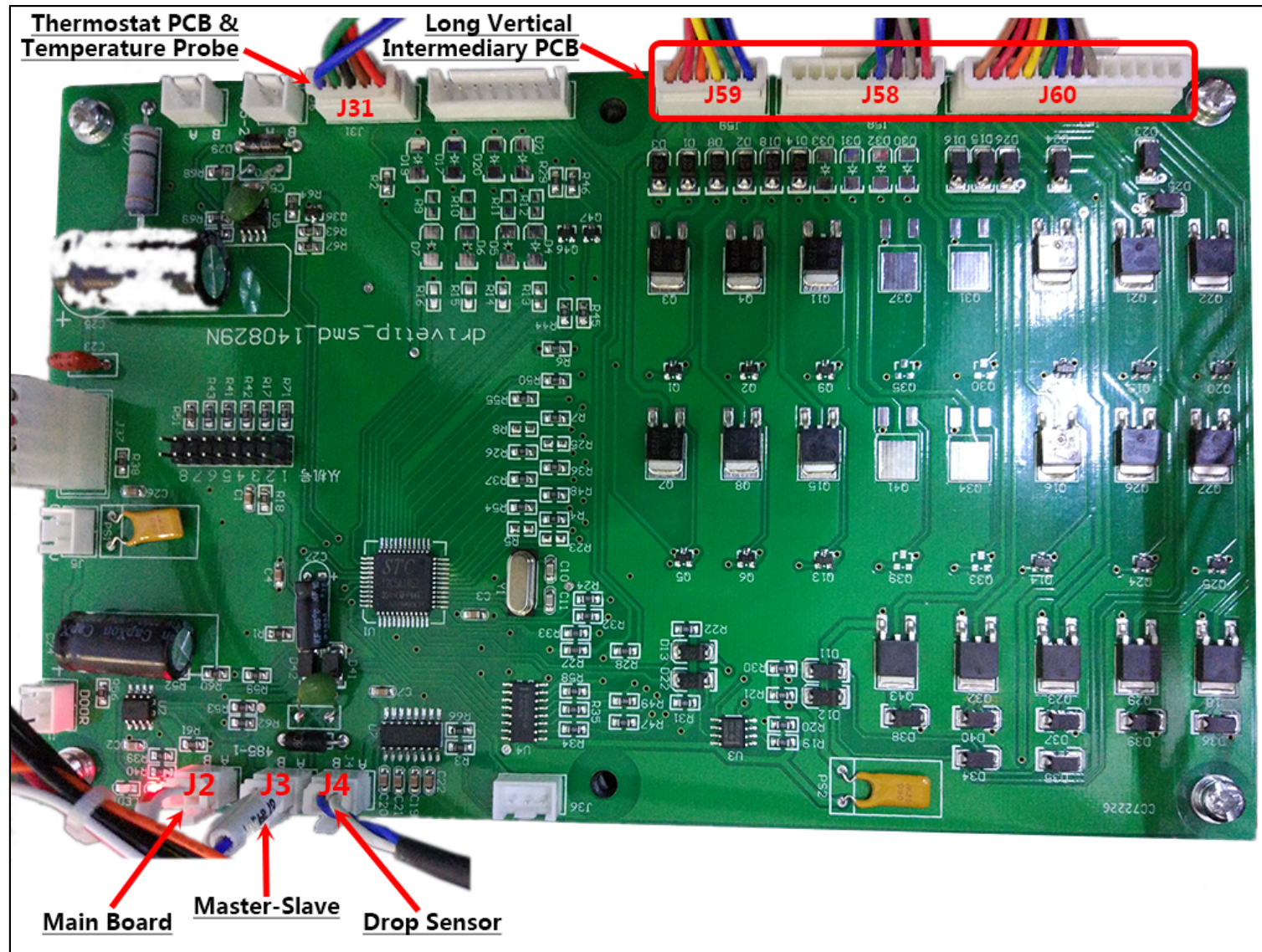


OPERATION MANUAL

Main Board



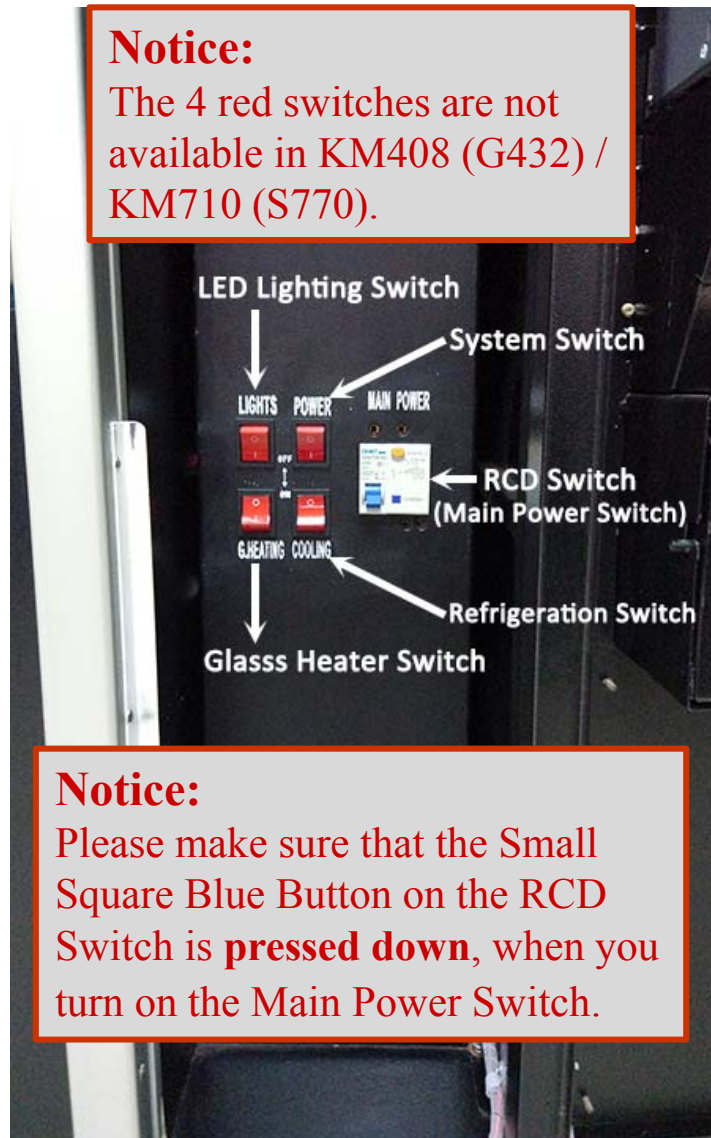
Driver Board



Switch Panel

Notice:

The 4 red switches are not available in KM408 (G432) / KM710 (S770).

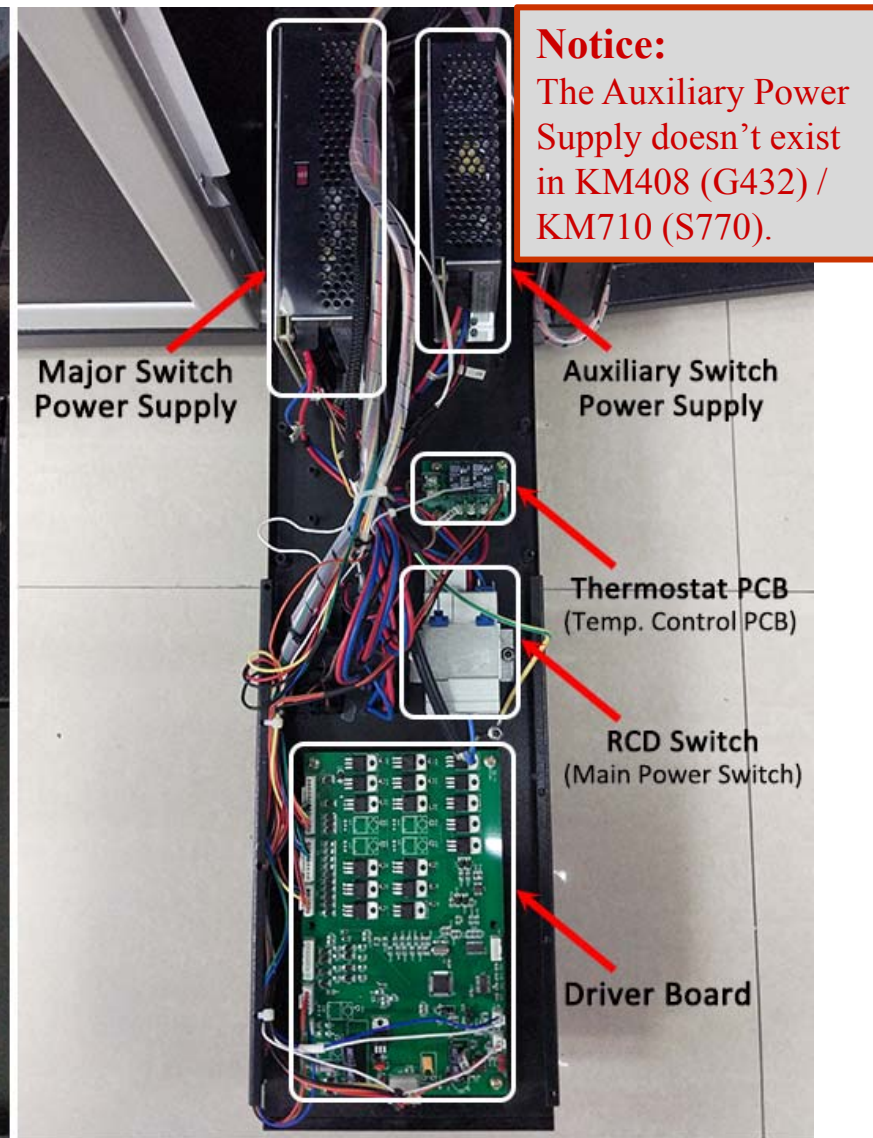


Notice:

Please make sure that the Small Square Blue Button on the RCD Switch is **pressed down**, when you turn on the Main Power Switch.

Notice:

The Auxiliary Power Supply doesn't exist in KM408 (G432) / KM710 (S770).



Selection Keypad

Old Keypad



New Keypad



1. In the Standby Mode, here are the roles of the available Function Keys:
 - “H”: Quick View of Machine Status and Basic Settings (Press “J/ ↓” for Page Turning)
 - “J” / “↓” : Page Down
 - “*”: Inventory Setting (When door is open and Inventory is enabled)
 - “0”: Clear the Credit ([e.g.: Clear the credit on LCD after inserting bills/coins to test bill/coin acceptor](#))
2. During the Purchase, this Function Key is available:
 - “*”: Cancel / Get Change.
3. In the Settings Mode, here are the roles of the available Function Keys:
 - “#”: Confirm / Enter
 - “*”: Cancel / Back / Exit
 - “J” / “↓” : Page Down
 - “H”: Cursor

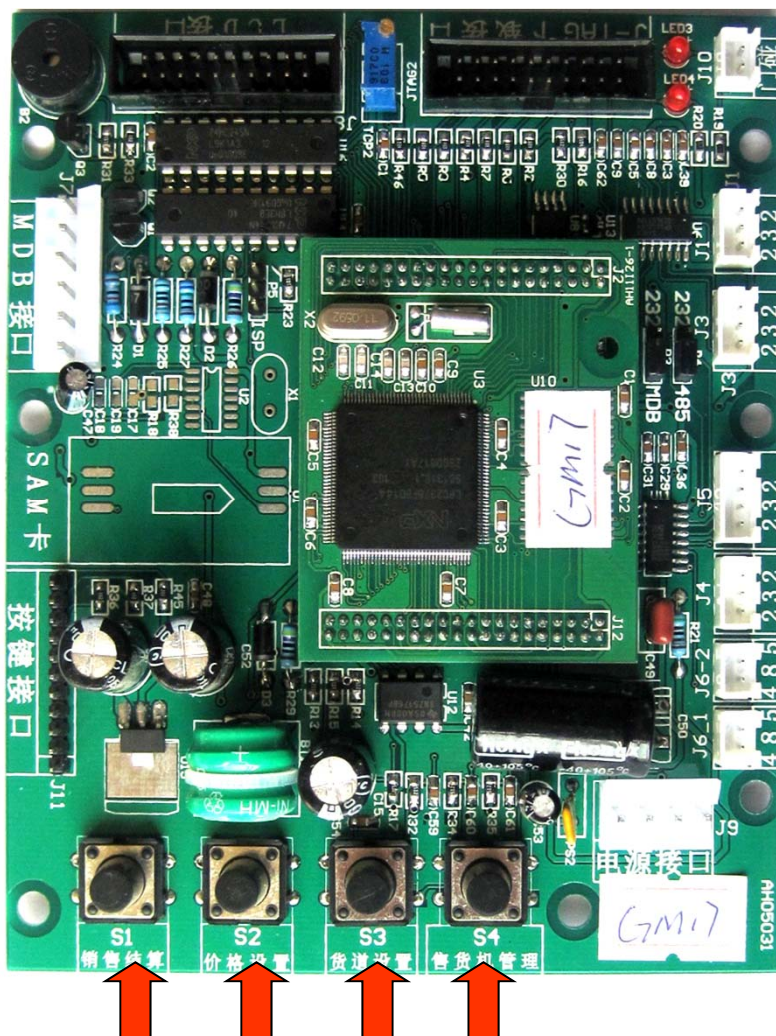
START & SELF-TEST



When power-on, the machine will begin self-checking automatically to check the following items one by one:

- Coin Changer
- Bill Validator
- Card Reader
- All Columns (Motors)
- Driver Board

SETTING MODE & HOTKEYS



Note:

You can always enter into SETTING MODE by pressing and holding the hotkey "S4" until you hear a beep. For quick access to "Audit Query", "Price Setting" & "Column Test", you can use the hotkeys of S1, S2 & S3.

HOT KEYS

- S 1: SETTLEMENT (Audit Query)
- S 2: PRICE (Price Setting)
- S 3: TEST (Column/Motor Test)
- S 4: ADVANCE (All Settings)



※1.PRICE SETTING

- Column Price Setting --- set different prices for each columns;
- Tray Price Setting --- set same price for all columns on a tray.

※1.Price Setting----Column Price Setting



Press "1" to enter into PRICE SETTING;
or Press "J/↓" to select "1.PRICE SETTING"
and press "#" to enter



Input Column ID, and
then input Unit price,
press "#" to save your
settings.
e.g.: Input "A1", then
input price, Press "#"

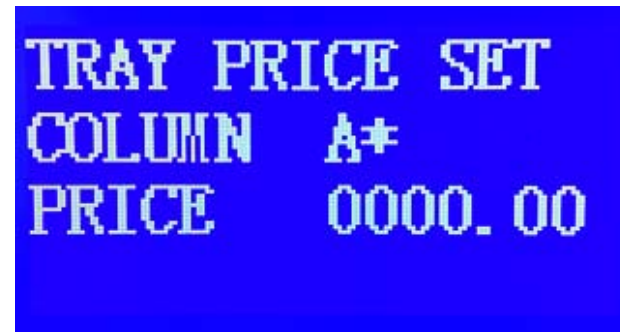
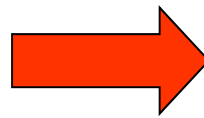


Press 'J/↓' to set
the price of the
next column.

※1.Price Setting----Tray Price Setting



MANAGEMENT
1. PRICE SETTING
2. COLUMN TEST_
3. SETTLEMENT



TRAY PRICE SET
COLUMN A*
PRICE 0000.00

Press “1” to enter into PRICE SETTING;
or Press “J/↓” to select “1.PRICE SETTING”
and press “#” to enter



Input Tray ID and press #,
and then input price, press
“#” to save your settings.
e.g: Input "A", Press "#",
then input price, Press "#"



All columns of this
Tray are set at the
same price.



※2. COLUMN TEST

--- MOTOR TEST

Note:

Motor Test is very useful, as it can make the motor go back to its starting position. When a motor gets stuck, you can always try to get it homed in by running a “Motor Test” to it.

※2.Column Test----Test a single Motor

MANAGEMENT
1. PRICE SETTING
2. COLUMN TEST
3. SETTLEMENT

SELECT **
WHOLE TEST
X+# TRAY TEST
X+N+# COLUMNTTEST

A	A	A	A	A	A
1	2	3	4	5	6
0	0	0	0	0	0

Notice:

X represents Tray ID: A.B.C...

N represents Column ID: 1.2.3...

0 = Ok

1 = Motor Driving Board out of communication

4 = Motor broken

5 = Motor out of connection

6 = Motor Driving Board broken

7 = Motor Jam (not return to initial position).

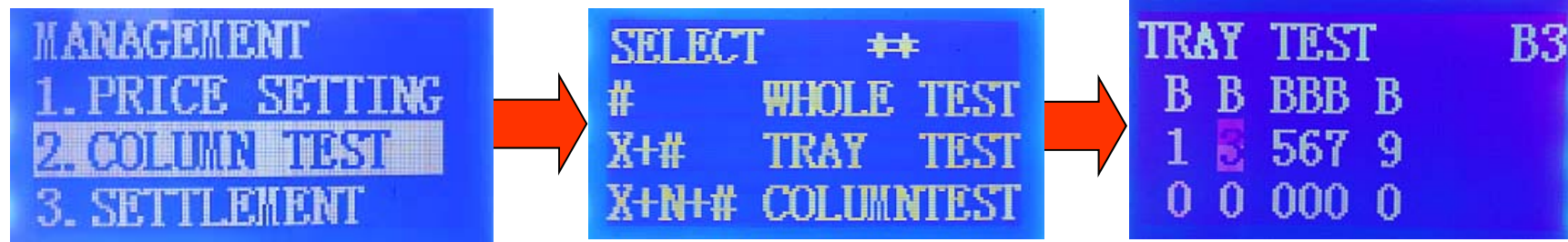
Note: If tray cable gets problem, the code 6 may also be given.

Press “2” to enter into COLUMN TEST,
or Press “J/↓” to select “2.COLUMN TEST” and
then press “#” to enter

Press key **X** + **N**, then press “#”, e.g. Press A and 6, then press “#” to test A6

Test the chosen Motor,
it will rotate a circle.

※2.Column Test---Test all Motors on a Tray



Notice:

X represents Tray ID: A.B.C...

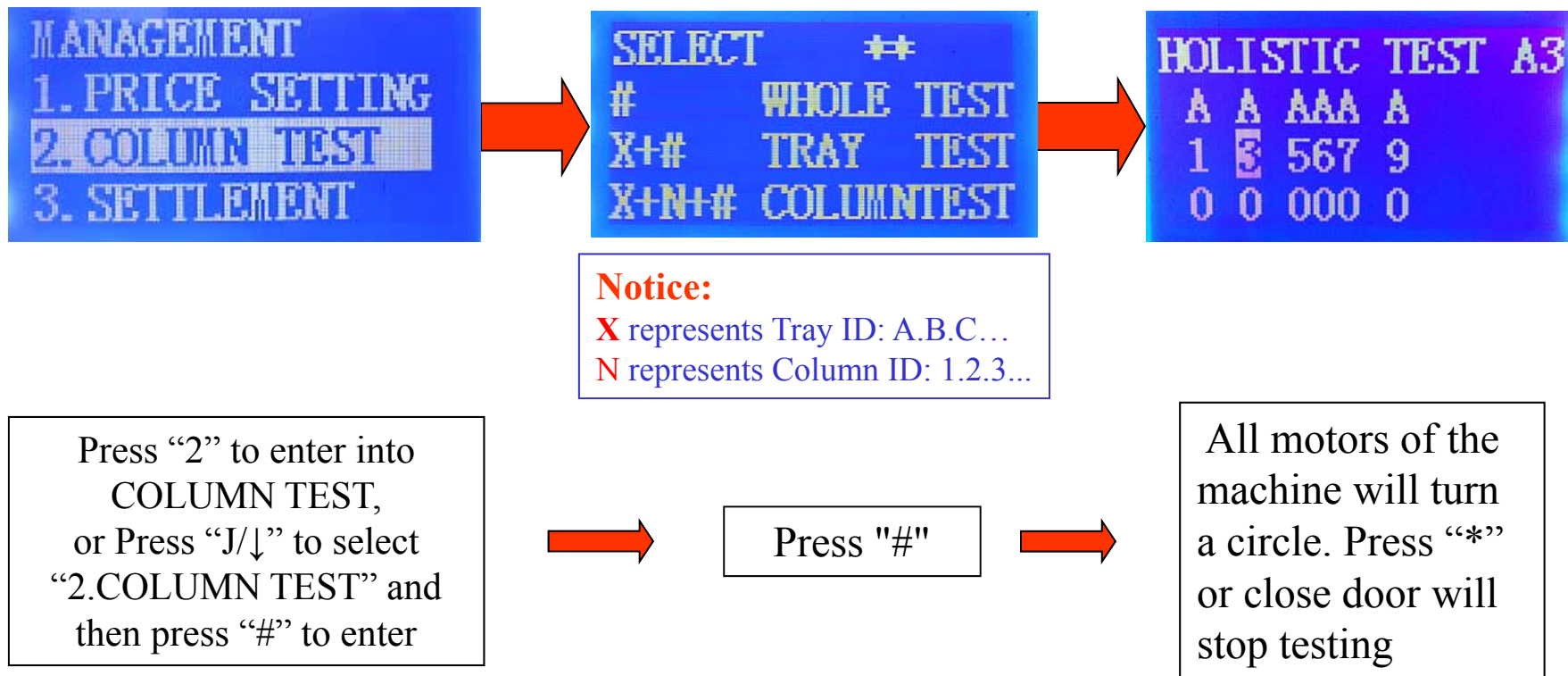
N represents Column ID: 1.2.3...

Press "2" to enter into COLUMN TEST, or Press "J/↓" to select "2.COLUMN TEST" and then press "#" to enter

Press key X, then "#"
e.g. Press B then "#"

All motors of this tray will turn a circle. Press "*" or close door will stop testing

※2.Column Test---Test all Motors in a machine

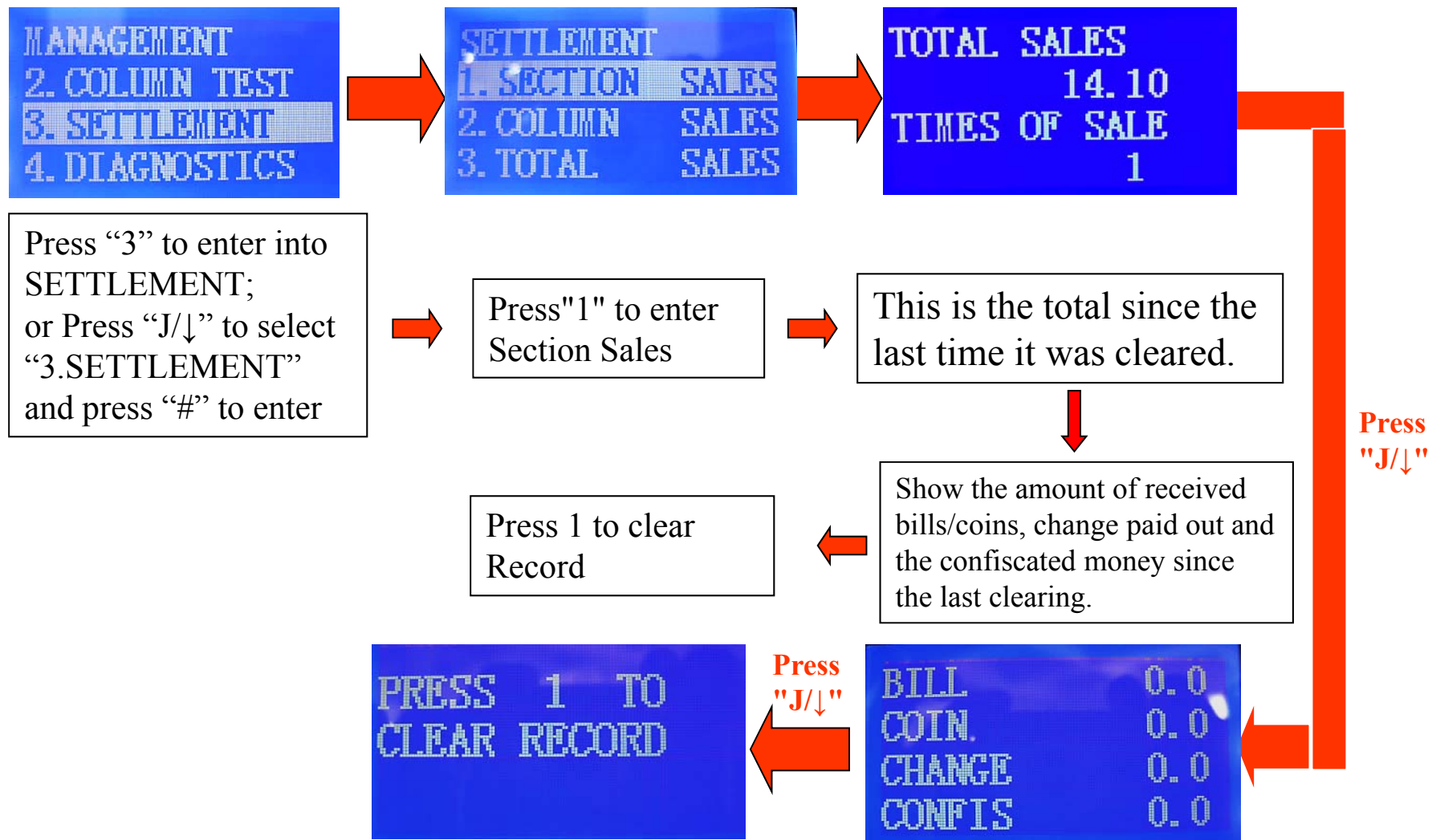




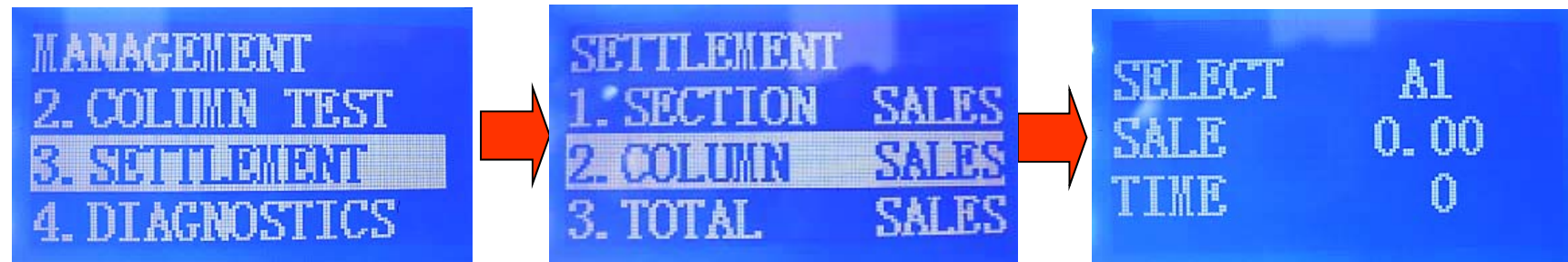
※3.SETTLEMENT

- Check/Clear Sales Statistics
- Check/Clear Cash Statistics

※3.Settlement----Section Sales



※3.Settlement----Column Sales

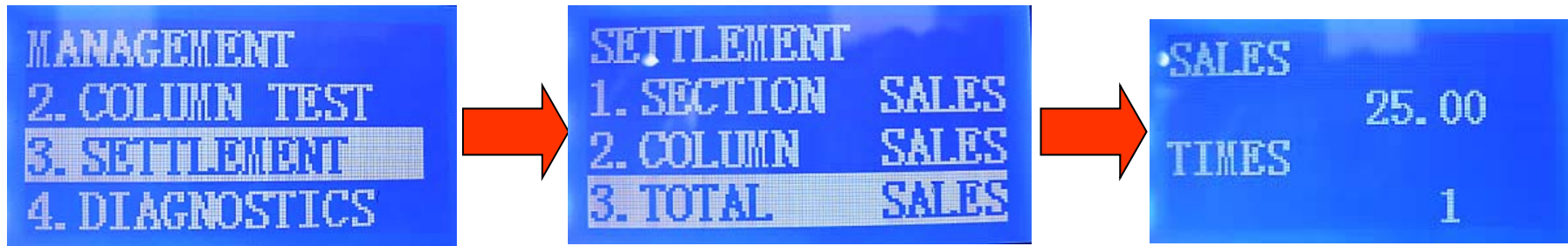


Press "3" to enter into
SETTLEMENT;
or Press "J/↓" to select
"3.SETTLEMENT" and
then press "#" to enter

Press "2"

This is the total of the
column since the last
time it was cleared.
Press "↓" to check the
next column.

※3.Settlement----Total Sales

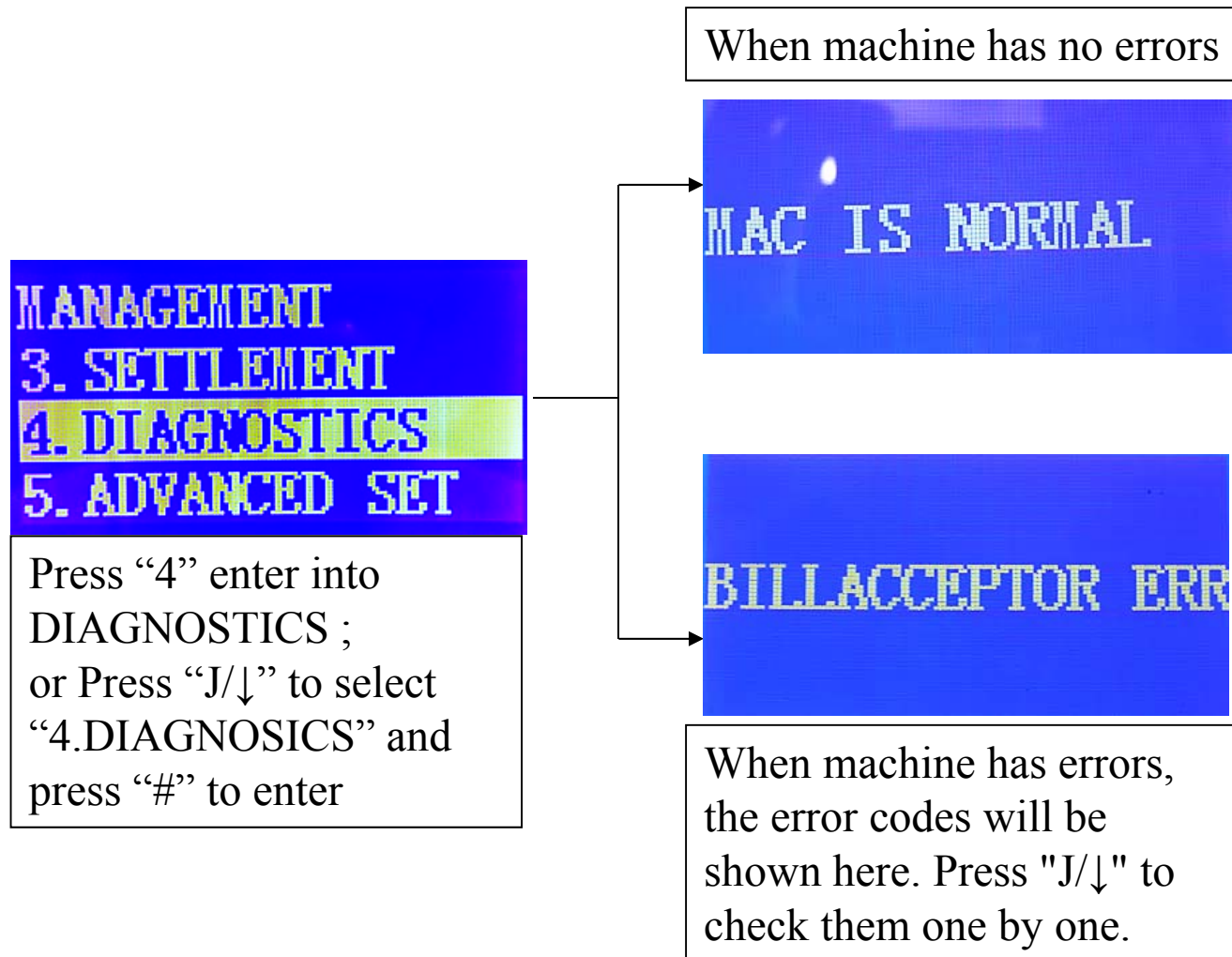


Press "3" to enter into SETTLEMENT;
or Press "J/↓" to select "3.SETTLEMENT" and press "#" to enter

Press "3"

These are the historical total since machine initialization. It can only be cleared by Factory Reset (Re: [Page 29th](#))

※4.DIAGNOSTICS



※5.ADVANCED SET

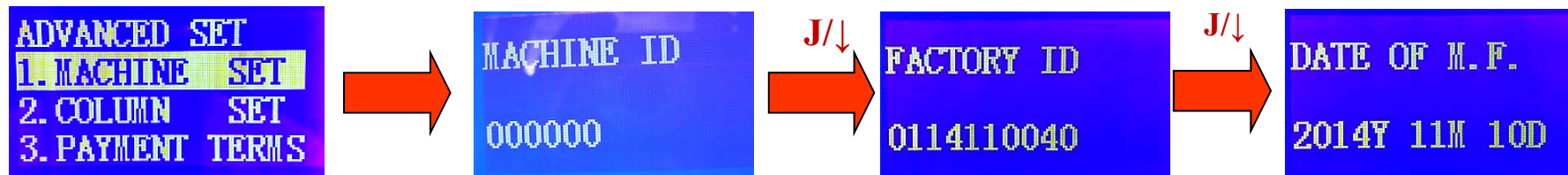


Press “5” to enter into
ADVANCED SET ;
or Press “J/↓” to select
“5.ADVANCED SET”
and press “#” to enter

5.Advaned Set

- 1.Machine Set
- 2.Column Set
- 3.Payment Terms
- 4.Temperature
- 5.Communication
- 6.Password Set
- 7.Time Set
- 8.Language Set
- 9.Default Set

※5. Advanced Set---Machine Set



Press "1" to enter into MACHINE SET; or Press "J/↓" to select "1.MACHINE SET" and then press "#" to enter

Input/Create A Custom Machine ID for your own reference

Check The Machine ID Assigned by Factory

Check The Manufacture Date of Machine

※5. Advanced Set---Column Set

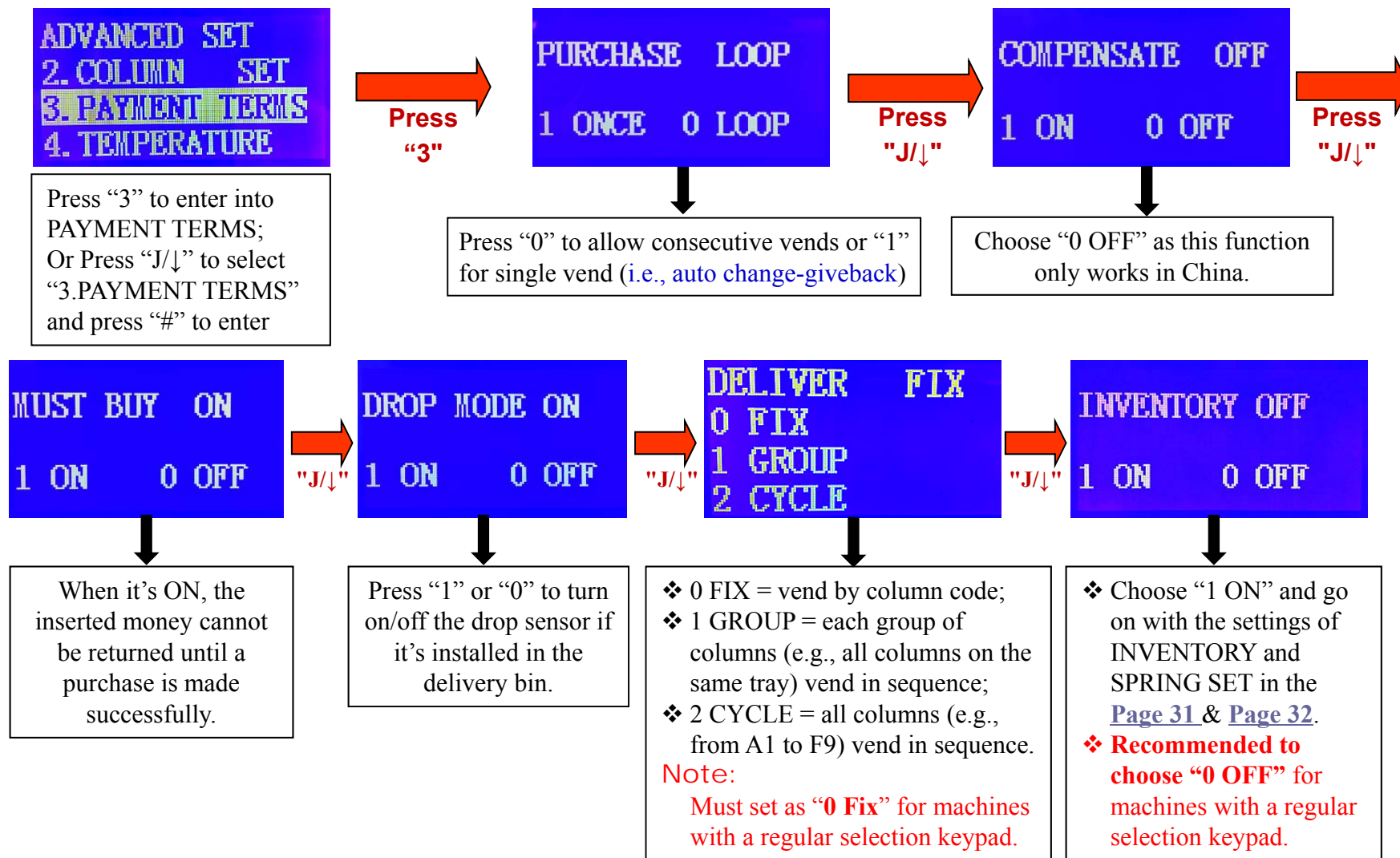


Press "2" to enter into COLUMN SET;
or Press "J/↓" to select "2.COLUMN SET" and then press "#" to enter

Input Tray No.
e.g: A

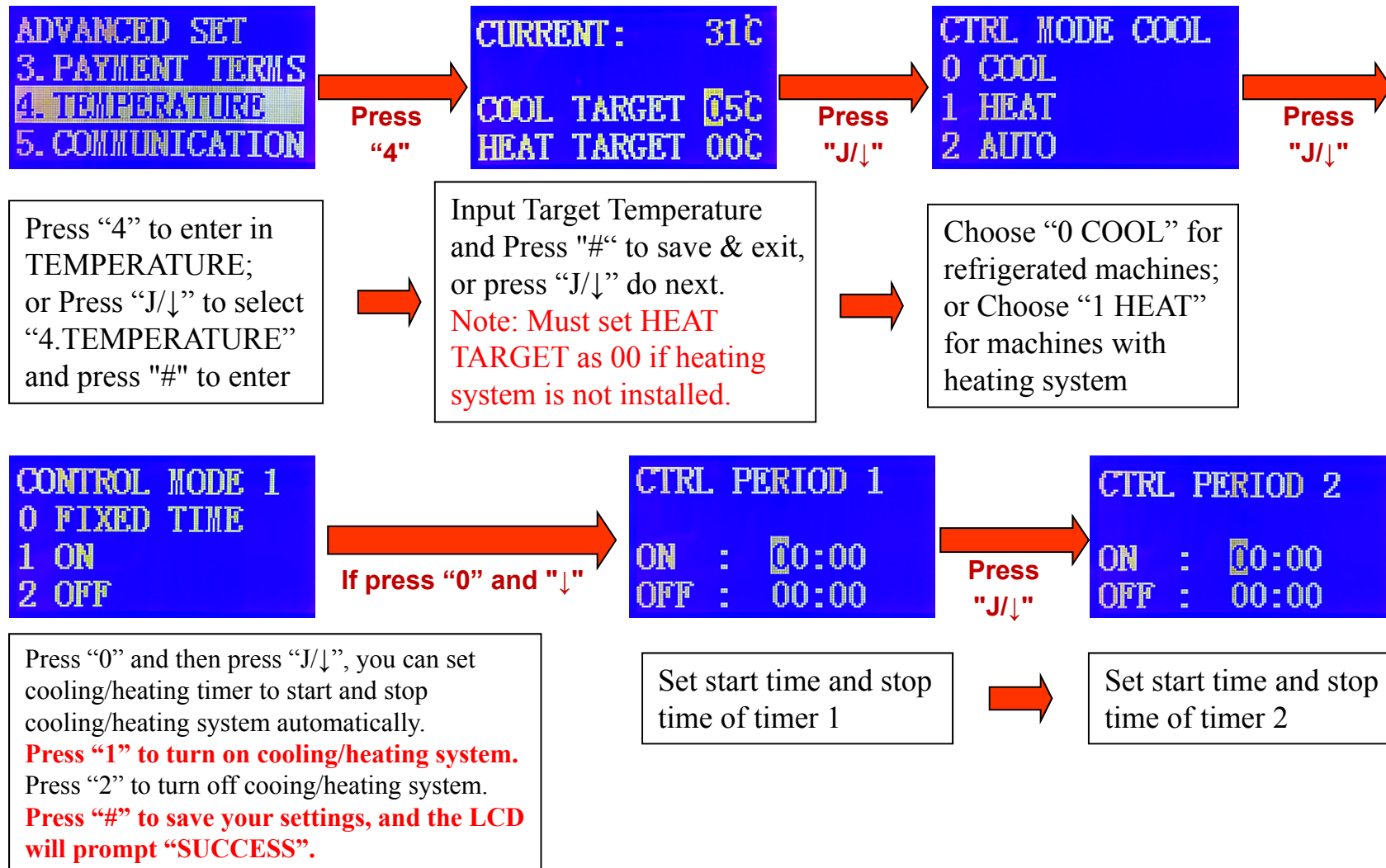
E means the column is effective.
+ means the column is coupled to the adjacent column at the left side (i.e.: B3 is coupled to B2)
Press H to couple or uncouple
Press J/↓ to move the cursor

※5. Advanced Set----Payment Terms



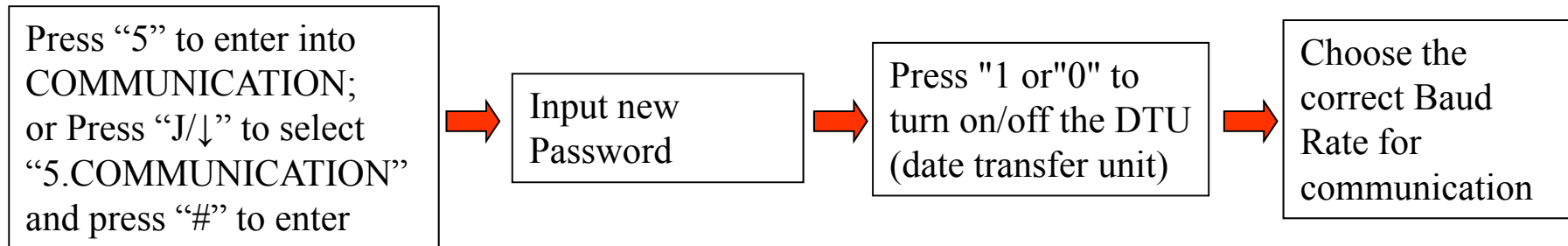
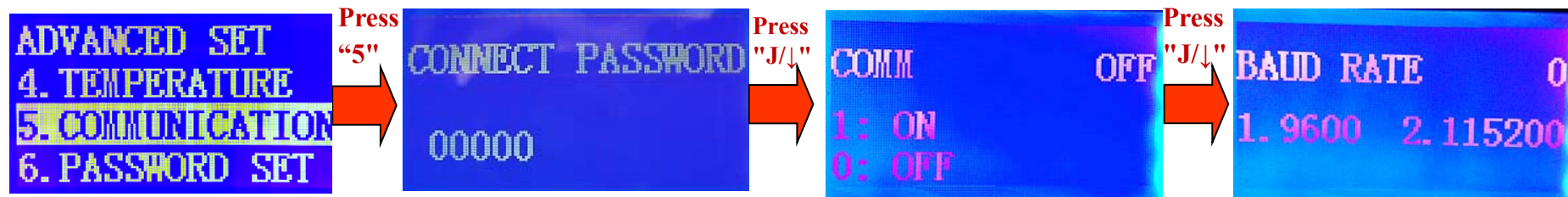
Notice: Press "#" to save your settings; Press "*" to back up or exit.

※5. Advanced Set----Temperature Set



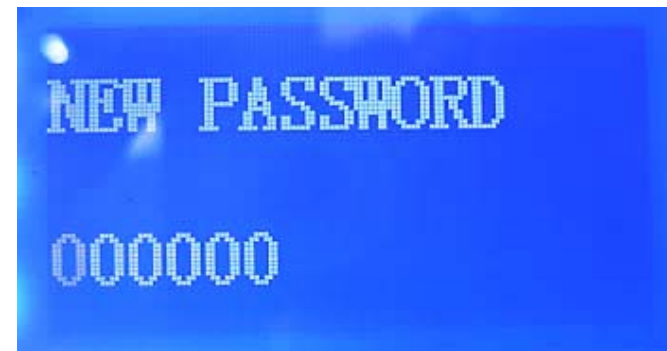
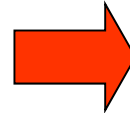
※5. Advanced Set----Communication Set

Note: Please just ignore the settings unless machines come with our factory's telemetry system.



※5. Advanced Set----Password Set

Note: For machines produced after June 2015, this password doesn't make any sense, so you can simply ignore it.



Press “6” to enter into
PASSWORD SET;
or Press “J/↓” to select
“6.PASSWORD SET”
and press # to enter.



Input your own
password and
remember it,
press “#” to save
your settings

※5. Advanced Set----Time Set

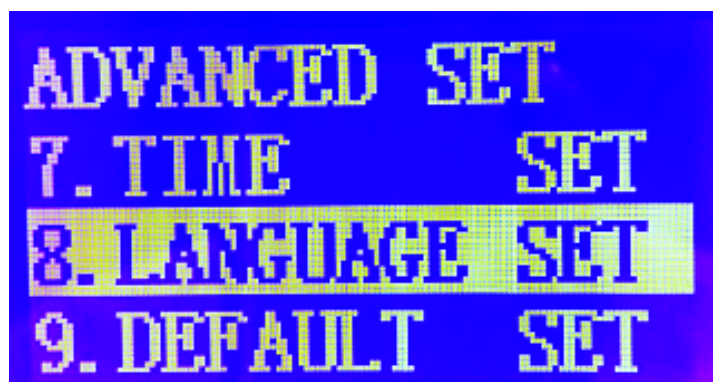


Press “7” to enter into
TEME SET;
or Press “J/↓” to select
“7.TIME SET” and
press “#” to enter.

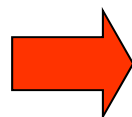
INPUT
CORRECT
DATE AND
TIME

Press “#”,
Success!

※5. Advanced Set----Language Set



ADVANCED SET
7. TIME SET
8. LANGUAGE SET
9. DEFAULT SET



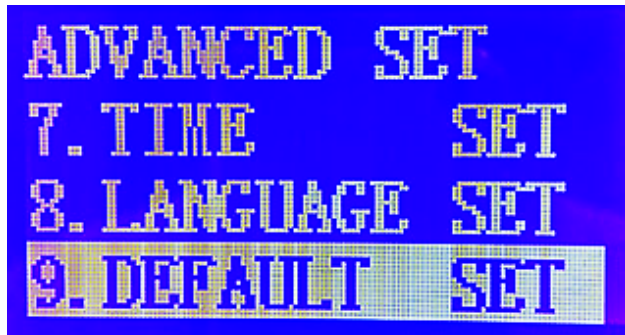
ENGLISH
0. ENGLISH
1. 中文
3. VOICE SET

Press 8 to enter into
LANGUAGE SET;
or Press “J/↓” to select
“8.LANGUAGE SET”
and press “#” to enter.

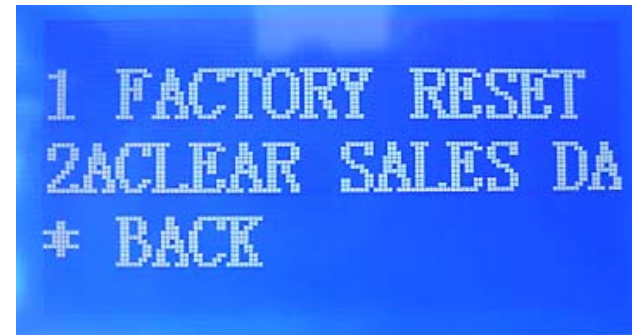
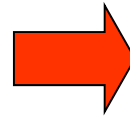


Press “0” for English,
or Press “1” for Chinese.
The “3. VOICE SET” only
for machines with voice
prompt function.

※5. Advanced Set----Default Set



ADVANCED SET
7. TIME SET
8. LANGUAGE SET
9. DEFAULT SET



1 FACTORY RESET
2 CLEAR SALES DA
* BACK

Press "9" to enter into
DEFAULT SET;
or Press "J/↓" to select
"9.DEFAULT SET" and
then press "#" to enter



Press "1" to restore
factory defaults and all
data will be cleared;
Press "2" to clear the
Sales Data only.

※6. MANAGE BILL

```
MANAGEMENT
5. ADVANCED SET
6. MANAGE BILL
7. INVENTORY
```

Press “6” to enter into
MANAGE BILL;
Or Press “J/↓” to select
“6.MANAGE BILL” and
then press “#” to enter.

If no bill recycler installed

```
NO BILL CHANGE
```

If bill recycler installed

```
AMOUNT
      0  TYPE 50
CHANGE BOX EMPTY
1 RETURN
```

Insert the preset TYPE of bill (i.e., the bill denomination of 50 in the screenshot) to refill the bill payout unit. Press 1 to test and get bills returned from the bill payout unit.

Note: Please don't insert more than 25 pieces of bills.

※7.INVENTORY

Note:

Do these settings only when you need to restrict the time of vends of each column by setting up inventory for all columns. Otherwise, please set the machine as "INVENTORY OFF" (Re: [Page 23](#)) and ignore below settings.

MANAGEMENT
6. MANAGE BILL
7. INVENTORY
8. SPRING SET

STOCK SET
COLUMN **
STOCK

STOCK SET
COLUMN A1
LAPS 05
G FILL H USER

Press
"G"

STOCK SET
COLUMN A1
STOCK 05
FILLUP OK

After refilling A1 with products equal to its capacity, press "G" to replenish inventory.

Press
"H"

STOCK SET
COLUMN A1
STOCK 05

E.g., if you refill A1 with 4 products only, press H and input 04, then press # to save the new inventory.

Enter into Setup Mode, Press "7" to access INVENTORY ; or Press "↓" to select "7 INVENTORY", then "#" to enter.

Input column code, e.g. A1

LAPS is the capacity of column A1. Here it's 5 pcs.

Notice: Press "#" to save your settings; Press "*" to back up or exit.

※8. SPRING SET---Set Column Capacity

Note:

Do these settings only when you need to restrict the time of vends of each column by setting up inventory for all columns. Otherwise, please set the machine as "INVENTORY OFF" (**Re: Page 23**) and ignore the below settings.



Enter into Setup Mode, Press "8" to access SPRING SET; or Press "↓" to select "8 SPRING SET", then press "#" to enter.

Input column code, e.g.: A1

LAPS is the number of loops of the spring (i.e., the capacity of the column A1). If column A1 is with 7-loop spring (springs), we input 07 here.

※9. Quick Check of Machine Status

28°C
WELCOME
1.MAKE SELECTION
2.INSERT MONEY

Press "H"

C B I D 12
9600
0 0

Press "J/↓"

C = Coin Changer Connected; B = Bill Validator Connected
I = Card Reader Connected; D = Drop Sensor Connected;
Snowflake = Compressor is Working; 12 = Current Temperature;
9600 / 0 / 0 = related to factory's telemetry system, please ignore.

0000000000 OFF
000 0000
NDBN170809KMT03
2010-01-08 05:55

Press
"J/↓"

COOL TARGET: 05°C
HEAT TARGET: 00°C
COOLING: ON

Press
"J/↓"

MAC IS NORMAL

Factory ID, Data Transmit Status,
Machine ID, Firmware Version
Number, Machine Time Setting.

Temperature Control Settings

When there is something wrong
with the machine, the "ERROR
CODES" will be displayed here;
If everything is working, it will
display "MAC IS NORMAL"

※10. Coin Changer Instructions



COIN-RETURN BUTTON INSTRUCTIONS

1. **Short Press** to return one coin each time;
2. **Long Press** to return a few coins each time;
3. When refill an empty tube with the first few pieces of coins, press the corresponding return-button to make sure that the coins lie flat in the tube bottom and can be paid out successfully.
4. When tubes get a coin jam during change payout, manually empty the tube first, and then press the corresponding return-button to get the jammed paying-motor homed in.

TUBE LIMIT SENSOR INSTRUCTIONS

1. When coins in any of the 4 tubes are lower than its **Bottom Limit Sensor**, the machine will prompt “NO ENOUGH CHANGE” even if other tubes are full.
2. When coins in a tube are beyond its **Top Limit Sensor**, the new inserted coins will be sent to other tubes or coin box.
3. When a top/bottom mirror sticker comes off the tube, the corresponding sensor will fail to function.