Common Errors and Solutions

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1. Failure of the counting sensor (CE01/CE02)

Phenomenon: start the machine and it displays CE01 or CE02; or it appears abnormally during the bill counting process.

CE01: the left counting sensor CE02: the right counting sensor

Method of fault finding:

Step 1: check if any banknote or paper is covering surface of counting sensor. Check if the counting sensors are clean.

Step 2: check if connection of the emitting lines and the receiving lines of the counting sensor is loosen or has bad contact.

Step 3: replace the counting sensor.

Step 4: replace the main board

2. Failure of the speed sensor (CE03)

Phenomenon: start the machine, the main motor is working normally. But the machine displays CE03.

Method of fault finding:

Step 1: check if the speed sensor is clean.

Step 1: check if connection of the wire of speed sensor is loosen or has bad contact.

Step 2: check if the installation position of the feeding sensor is correct; it's required that teeth of the pluse wheel should face right opposite the sensor.

Step 3: replace the speed sensor.:

Step 4: replace the main board

3. Failure of the main motor (CE03)

Phenomenon 1: start the machine, the main motor keeps running and do not stop. It displays CE03.

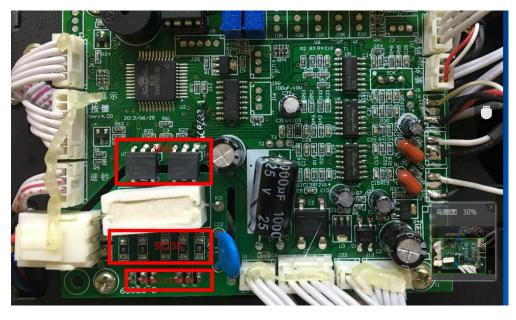
Method of fault finding:

Step 1: check if connection of the wire of the main motor is loosen or has bad contact.

Step 2: check if the resistance on the main board is burned.(Pic 1)

Step 3: replace "3063". (Pic 1)

Step 4: replace "BT 138".(Pic 1)



(Pic 1)

Step 5: replace the whole main board.

Phenomenon 2: start the machine, the main motor do not working or keep shaking. It displays CE03.

Method of fault finding:

Step 1: check if connection of the wire of the main motor is loosen or has bad contact.

Step 2: replace the main motor.

Step 3: replace the main board.

4. Failure of the feeding sensor (CE04)

Phenomenon: start the machine and it displays CE04(check the feeding sensor) or automatically starts when there's no banknote on the machine.

Method of fault finding:

Step 1: check if the bill feeding platform is covered by any objects. Check if the bill feeding sensor is clean.

Step 2: check if the light of the working environment is too strong.

Step 3: check if the line of receiving sensor is loosen or has bad contact.

Step 4: replace the feeding sensor.

Step 5: replace the main board.

5. Failure of the receiving sensor (CE05)

Phenomenon: start the machine and it displays CE05.

Method of fault finding:

Step1: check if the receiving sensor is clean.

Step 2: check if any banknote or paper is covering the bill receiving sensor.

Step 3: check if the connection of the line of receiving sensor is loosen or has bad contact.

Step 4: replace the receiving sensor.

Step 5: replace the main board.

6. Failure of the UV sensor (CE10)

Phenomenon: start the machine and it displays CE10.

Method of fault finding:

Step 1: check if the UV sensor is covered by any plain paper.

Step 2: check if the connection of the lead of UV sensor is loosen or has bad contact.

Step 3: replace the UV sensor.

Step 4: replace the main board.

7. Failure of the led display

Phenomenon 1: the led display is not working or there is interrupted display or darkened image.

Method of fault finding:

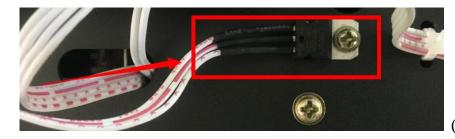
Step 1: check if the connection of the lead of led display is loosen or has bad contact.

Step 2: replace the led display.

Step 3: if it is still not working after you replace the led display. Replace "7805".(Pic 2&3)



(Pic 2)



(Pic 3)

8. Failure of the 9V motor

Phenomenon 1: the 9V motor is not working.

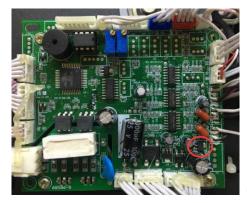
Method of fault finding:

Step 1: check if the connection of the lead of the 9V motor is loosen or has bad contact.

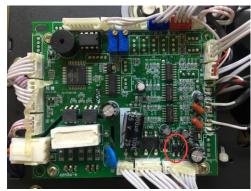
Step 2: replace the transistor.(Pic 4)

Step 3: replace the rectifier bridge. (Pic 5)

Step 4: if it is still not working. Replace the whole 9V motor.



(Pic 4)



(Pic 5)

9. Mis-discrimination while counting

Phenomenon 1: just a few of genuine notes are detected as forged notes during one count and it displays erro codes.

Method of fault finding:

- Step 1: check if your operation is correct when you put the notes into the feeding entrance.
- Step 2: check the erro codes according to the warming diagram. Find out why the genuine notes are detected as forged notes.
- Step 3: check the notes. Connected, overlapped, deformed or genuine notes without metal strip will be detected as forged notes.
 - Step 4: debug the machine.

Phenomenon 2: a lot of genuine notes are detected as forged notes during one count and it displays erro codes.

Method of fault finding:

- Step 1: check if your operation is correct when you put the notes into the feeding entrance.
- Step 2: check the erro codes according to the warming diagram. Find out why the genuine notes are detected as forged notes.
 - Step 3: check corresponding components and repaire.