

## 4-6. Electrical Adjustment

### 4-6-1B. Adjustment of Coin Table Remain Sensor (1/2)

<b>Related Problem</b>	Coin Remaining in Coin Table
<b>Work Time</b>	5 minutes
<b>Special Tools</b>	The smallest diameter of coin
<b>Standard Value (Unit: mm)</b>	Fulfill the condition below: AD1 MAX ≤ 53H

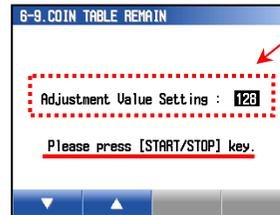
1. Enter Maintenance Mode
2. Select 6. ADJUSTMENT →  
9. COIN TABLE REMAIN in order.
3. Perform adjustment accord to the message on the display.
4. After the adjustment, the display indicates the adjustment result.
5. **When the result is OK:**  
Press START/STOP key and go to next step.

**When the result is NG:**

Press START/STOP key to go back Adjustment Value Setting.  
Reset the value to DOWN then perform the adjustment again.

When the result turns OK, press START/STOP key and got next step.

#### Adjustment Value Setting

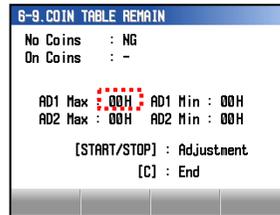


Adjustment Value Setting.(Default Value : 128)

**Note:** When the value changes+ or -10, AD value changes + or – 1 HEX. (If value set up, sensor sensitive more)

Press START/STOP key and follow the message on the display.

#### Adjustment Result **NG**



Set the value so that AD1 MAX is smaller than 53H.

Press START/STOP key to go back Adjustment Value Setting.

Set the value down by DOWN key so that the result of adjustment indicates OK.

#### Adjustment Result **OK**

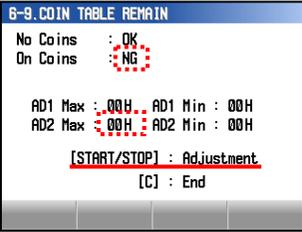
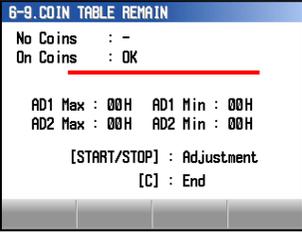


When AD1 MAX is smaller than 53H, Adjustment result is OK.

Press START/STOP key and go to next page.

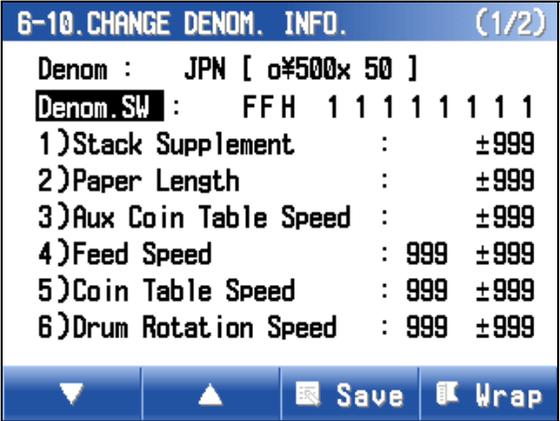
## 4-6. Electrical Adjustment

### 4-6-1B. Adjustment of Coin Table Remain Sensor (2/2)

Related Problem	Coin Remaining in Coin Table	Instruction for Adjustment	
<b>Work Time</b>	5 minutes		
<b>Special Tools</b>	The smallest diameter of target coin		
<b>Standard Value (Unit: mm)</b>	Fulfill the conditions below: AD1 MAX ≤ 53H, AD2 MAX ≥ A6H		
<p>6. Perform adjustment accord to the message on the display.</p> <p>7. After the adjustment, the display indicates the adjustment result.</p> <p>8. <b>When the result is OK:</b> Press Save key to save the adjustment value. This is the end of adjustment.</p> <p><b>When the result is NG:</b> Press START/STOP key to go back Adjustment Value Setting. Then go next step.</p> <p>1) Set the value down by DOWN key then perform the adjustment again.</p> <p>After the adjustment, the display indicates the result of adjustment.</p> <p>2) When the result is OK, remove a coin. Press Save key to save the adjustment value.</p>		<p><b>Adjustment Result <u>NG</u></b></p>  <p>Set Adjustment Value again so that AD2 MAX is smaller than A6H.</p>  <p>When Adjustment Value is changed, perform adjustment form Step 3.</p>	<p><b>Adjustment Result <u>OK</u></b></p>  <p>When AD2 MAX is <b>higher</b> than A6H, Adjustment result is OK.</p> <p>Press Save key.</p> <p>This is the end of adjustment. Press C key.</p>

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### 4-6-2D. Setting of Denom. Data

Related Problem	Reduce Stack Jam
Work Time	
Special Tools	
Standard Value (Unit: mm)	
	
7	<p>Coin Table stops after stacks specified number of coins.</p> <p>0: Disable (Factory Default) 1: Enable</p> <p>Specified number can set by MSW9-bit 0-6</p> <p><b>Note:</b> This setting able to reduce stack Jam. However, wrapping speed may reduce when set Enable.</p>
6	<p>Coin Table reverses when every stacking completed.</p> <p>0: Reverse every stacking 1: Not reverse (Factory Default)</p>
5	<p>Control method for Aux Coin Table.</p> <p>0: Control Aux Coin table by internal timer.</p> <p><b>Note:</b> Recommned set 0 for large diameter coins to prevent reduce wrapping speed.</p> <p>1: Turn Aux Coin table when PH1 not detect coins. (Factory Default)</p> <p><b>Set "1" to reduce supply coins to the Coin Talbe expecially small diameter coins.</b></p>
4	<p>Coin table start timing (It could reduce stack jam for especially thick coins.)</p> <p>0: Coin Table starts together with Feed Belt at same time. 1: Coin Table delay 100ms after starts Feed Belt.</p>
3	
2	
1	
0	

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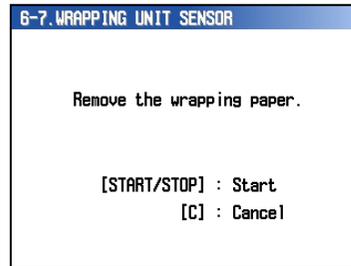
### 4-6-3A. Adjustment of Wrapping Unit Sensors (1/2)

<b>Related Problem</b>	Paper Roll Set Failure
<b>Work Time</b>	5 minutes
<b>Special Tools</b>	Paper Roll
<b>Standard Value (Unit: mm)</b>	

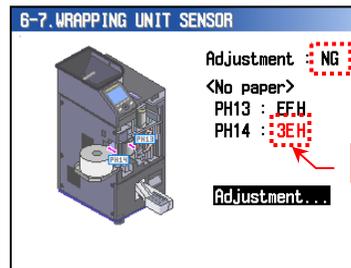
1. Enter Maintenance Mode  
Select 6. ADJUSTMENT  
Select 7. WRAPPING UNIT SENSOR.
2. Make sure no wrapping paper in the machine and start adjustment by pressing START / STOP key.
3. When adjustment result is OK:  
Press START/STOP key and go to step 4.

When the result is NG:  
Press START/STOP key to stop the adjustment.  
Clean the sensor PH13, PH14, PH17 and check the alignment of the sensors.  
Then adjust the sensor again.

Caution: PH17 is only for option Printer Model.  
Illustration on the left is image for without Printer Model.

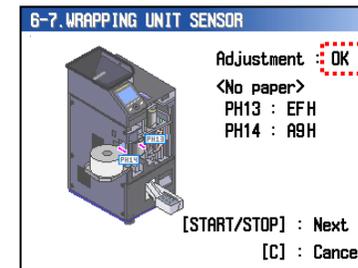
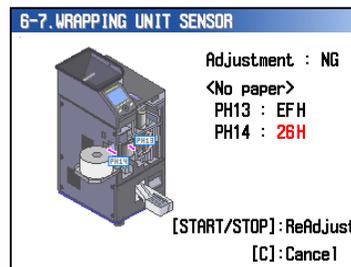


Make sure no Paper Roll in the machine.  
Press START/STOP key to start adjustment.



Red letter means NG.

Press START / STOP key.



Go to step 4 after pressing START / STEP key

Clean the Sensors (PH13, PH14 and PH17) and check alignment of sensor.  
Then readjust the sensors.

Caution) This adjustment is available from following FW version.  
Display FW: LAC017LD07  
Main FW LAC017LS07

## 4-6. Electrical Adjustment

### 4-6-3A. Adjustment of Wrapping Unit Sensors (2/2)

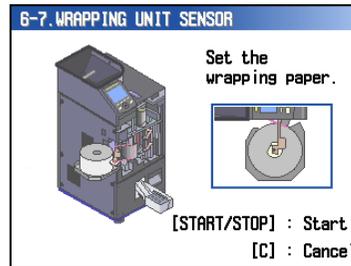
<b>Related Problem</b>	Paper Roll Set Failure
<b>Work Time</b>	5 minutes
<b>Special Tools</b>	Paper Roll
<b>Standard Value (Unit: mm)</b>	

- Set wrapping paper to cover Paper Home Position PH13 and stretch the paper by rotating Paper Roll.
- Close Front Door and press START / STOP key.
- When adjustment result is OK: Press Save key to save the result.

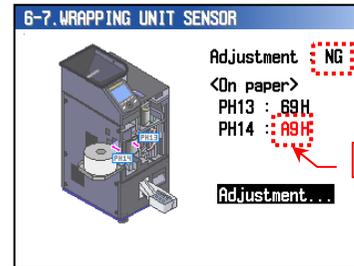
When the result is NG:  
Press START / STOP key to stop the adjustment.  
Clean the sensor PH13, PH14, PH17 and check the alignment of the sensors.  
Then adjust the sensor again.

**Caution:**

PH17 is only for option Printer Model.  
Illustration on the left is image for without Printer Model.

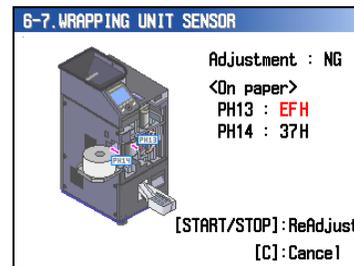


Set wrapping paper to cover Paper Home Position Sensor PH13. Stretch the paper by rotating Paper Roll.



Red letter means NG

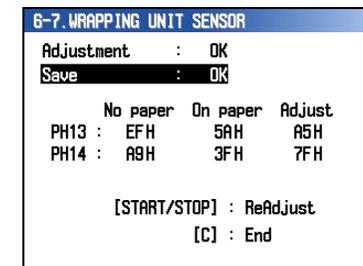
Press START / STOP key.



Adjust the sensor again after cleaning.



Press Save key to Save the result.



Press C key to end the adjustment.

## 4-6. Electrical Adjustment

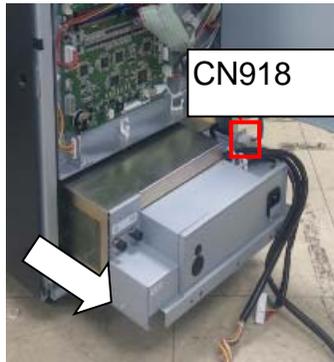
### 4-7-1A. Adjustment of Voltage (1/4)

Related Problem	Power Abnormality
Work Time	10 minutes
Special Tools	Screw Driver, Digital Volt Meter
Standard Value (Unit: mm)	

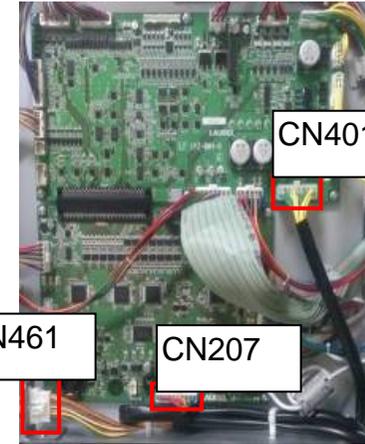
1. Remove Rear Cover and 2 pcs of Screw fixing Power Supply UNT.
2. Disconnect 5 connectors for Power Supply UNT.
3. Taking out Power Supply UNT from the body and remove cover of Power Supply UNT.
4. Reconnect 5 connectors again and Plug the power cable and turn on the power.
5. Select the item of Switching Regulator Adjustment form following page, perform the adjustment.



CN911



CN918



CN401

CN461

CN207

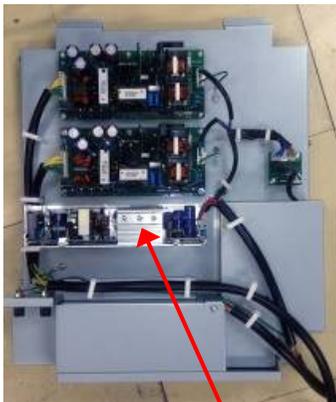
## 4-6. Electrical Adjustment

### 4-7-1A. Adjustment of Voltage (2/4)

<b>Related Problem</b>	<b>Power Abnormality</b>
<b>Work Time</b>	10 minutes
<b>Special Tools</b>	Screw Driver, Digital Volt Meter
<b>Standard Value (Unit: mm)</b>	Voltage: +5.00V to 5.10V

#### Adjustment of 5V for Control System

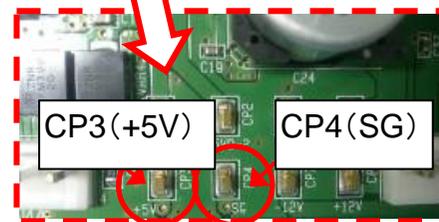
1. Turn on the power and measure the voltage at CP3 (+5V) and CP4 (GS) on 1PZ-003 Board.
2. Adjust +5V by VR on 5V,12V Switching Regulator(JWT100-522).



For +5V/±12V



1PZ-003  
LC Drive PCB



CP3(+5V)

CP4(SG)

## 4-6. Electrical Adjustment

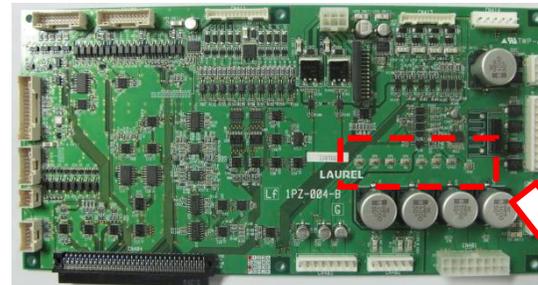
### 4-7-1A. Adjustment of Voltage (3/4)

<b>Related Problem</b>	<b>Power Abnormality</b>
<b>Work Time</b>	10 minutes
<b>Special Tools</b>	Screw Driver, Digital Volt Meter
<b>Standard Value (Unit: mm)</b>	Voltage: +24.0V to 24.5V

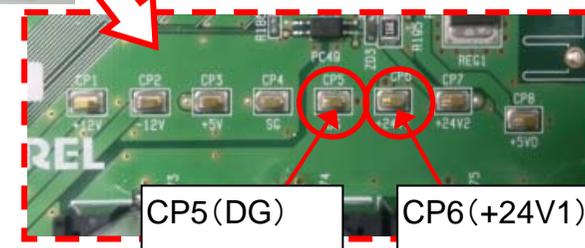
#### Adjustment of +24V1 for Drive

1. Turn on the power
2. Measure the voltage at CP6 (+24V1) and CP5(DG) on 1PZ-004 Board.
3. Adjust +24V by VR on +24V1 Switching Regulator(ZWS240BP-24).

For +24V1



1PZ-004 Drive PCB



CP5(DG)

CP6(+24V1)

## 4-6. Electrical Adjustment

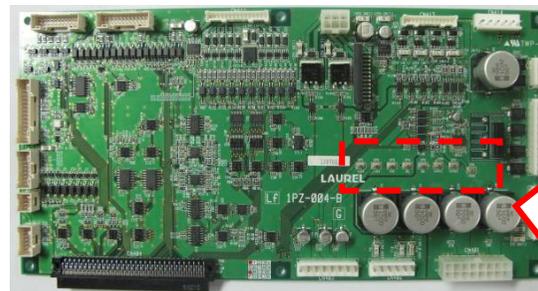
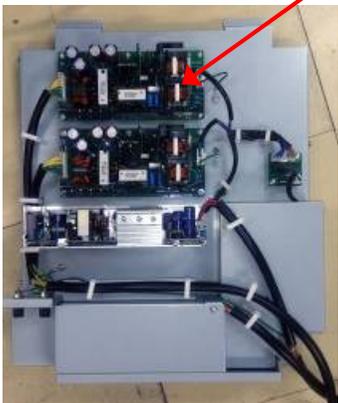
### 4-7-1A. Adjustment of Voltage (4/4)

<b>Related Problem</b>	<b>Power Abnormality</b>
<b>Work Time</b>	10minutes
<b>Special Tools</b>	Screw Driver, Digital Volt Meter
<b>Standard Value (Unit: mm)</b>	Voltage: +24.0V~24.5V

#### Adjustment of +24V2 for Drive

1. Turn on the power.
2. Measure the voltage at CP7 (+24V2) and CP5(DG) on 1PZ-004 Board.
3. Adjust +24V by VR on +24V2 Switching Regulator (ZWS240BP-24).

For +24V2



1PZ-004 LA Drive PCB

