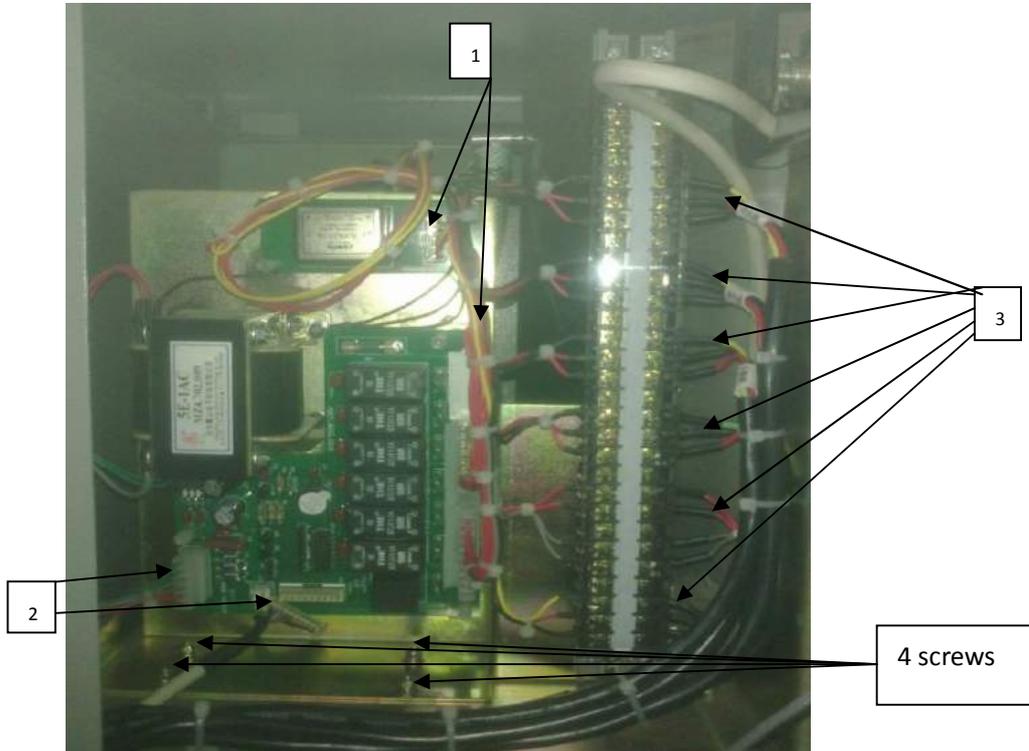


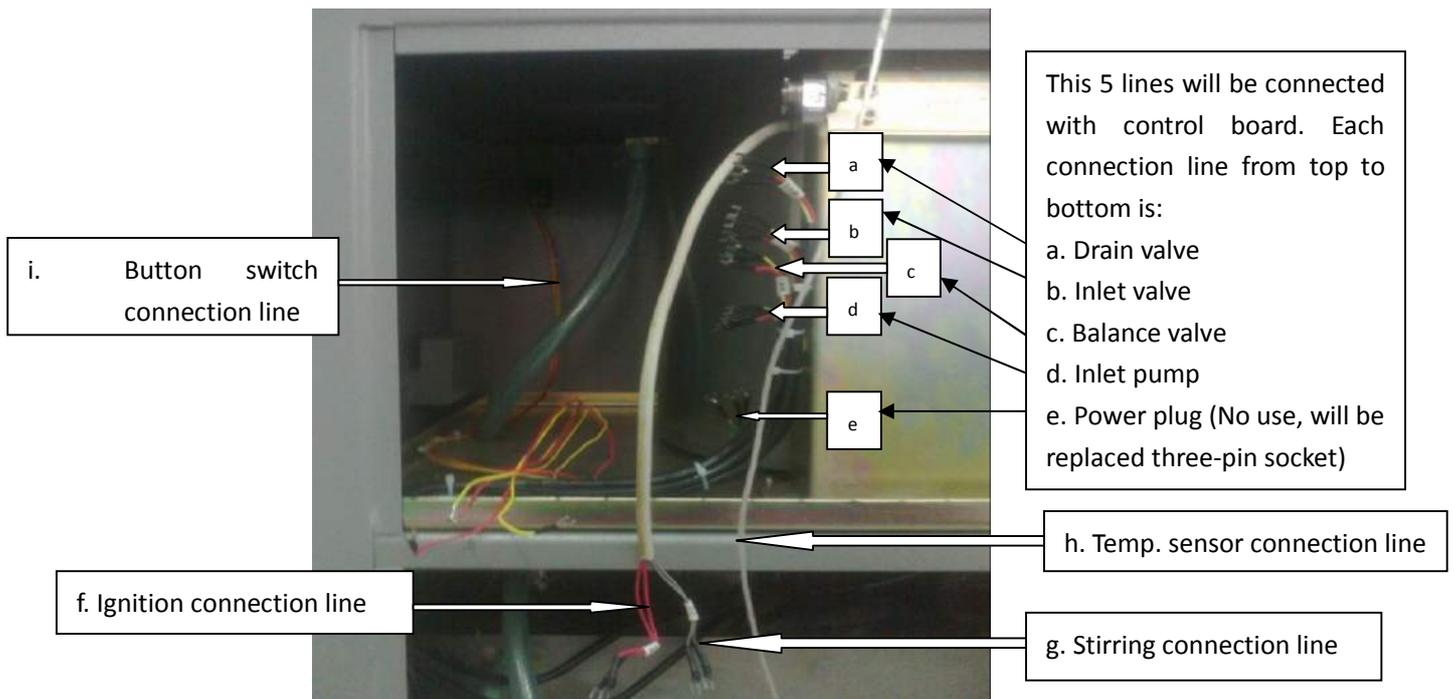
## Upgrade Instructions of AC / PL

### Step 1: Remove the old circuit components

- a. Remove 1,2,3 connection line, and loose 4 screws at the bottom of fixed plate, then remove the entire circuit components in the upper left corner of instrument.

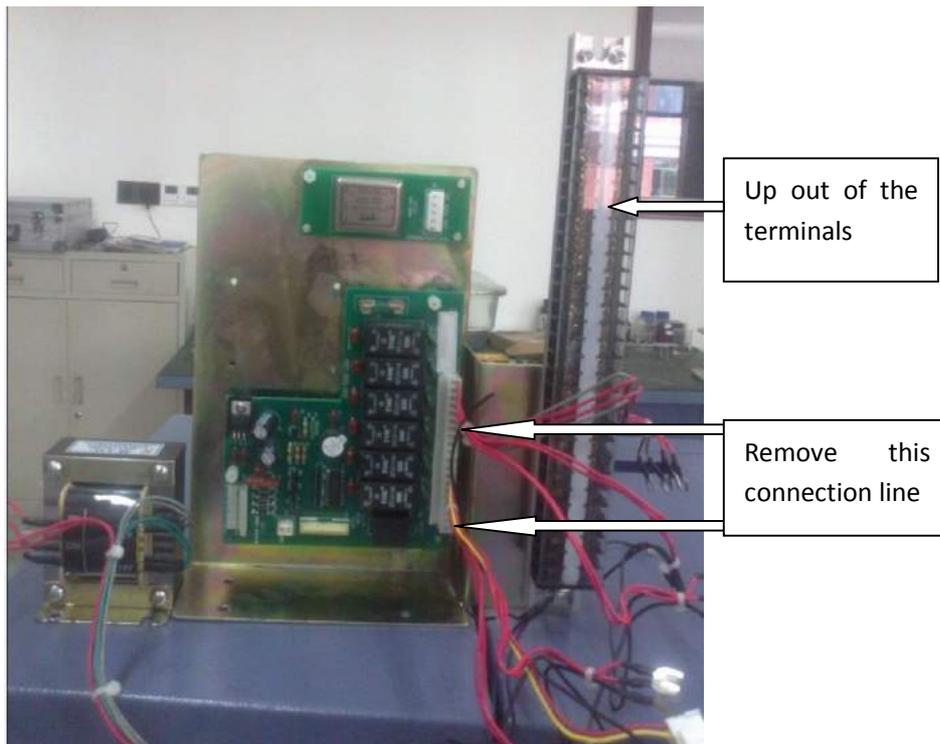


- b. After removing the circuit components, instrument internal structure as shown:



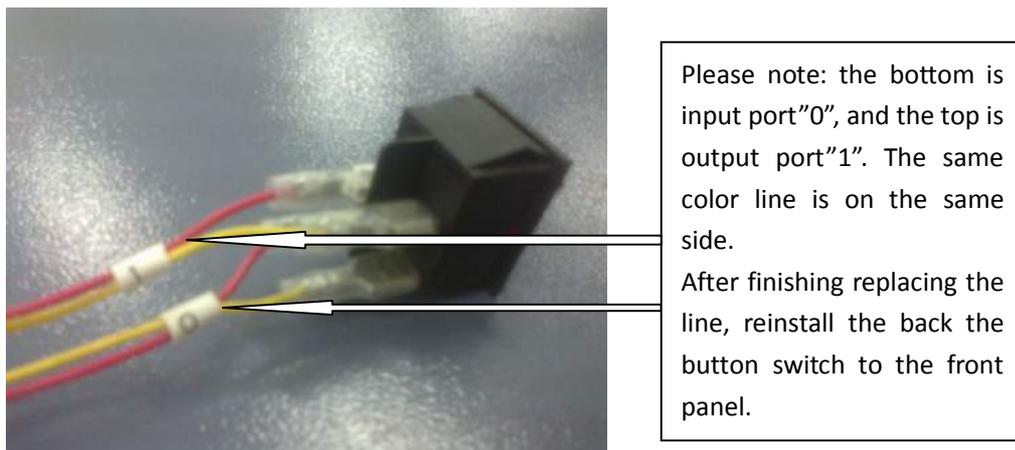
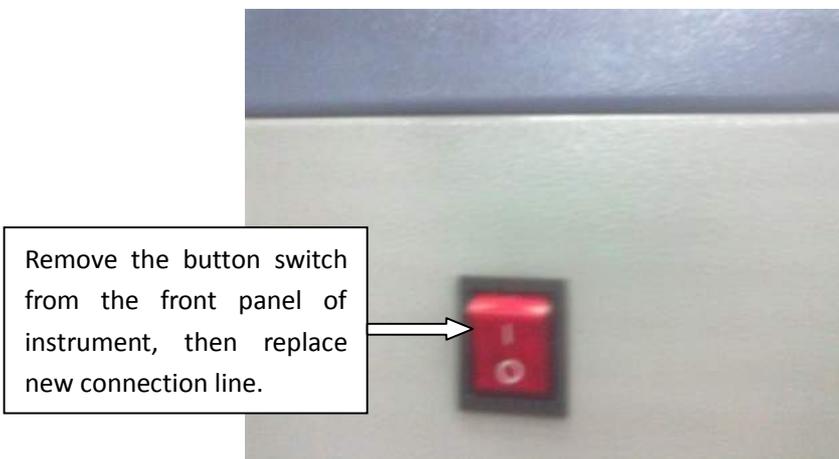
- c. Up out of the terminals from the fixed plate after taking out the connection line. (The terminals will be retained to update equipment, The other part will be

instead of the new upgraded components)

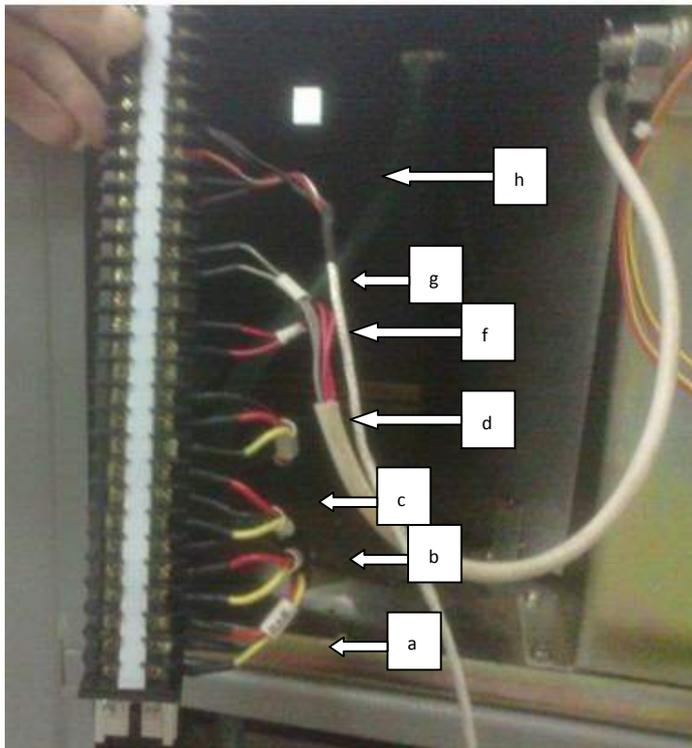


**Step 2:** Install the new circuit components

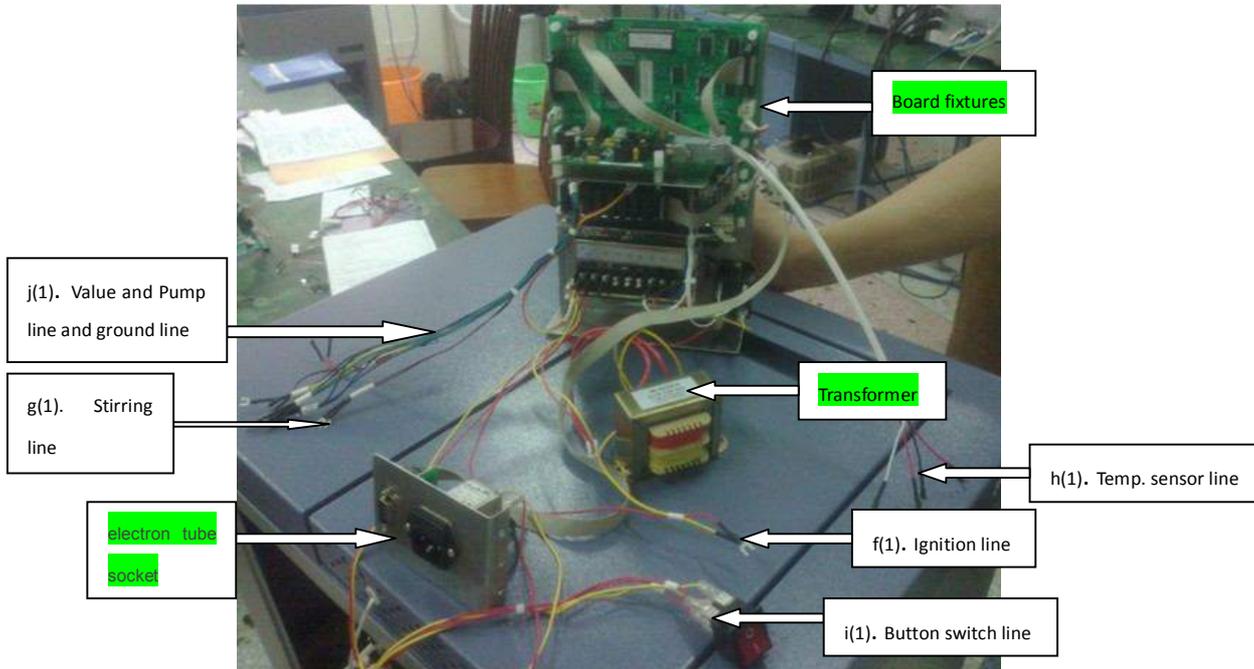
- a. Install the button switch.



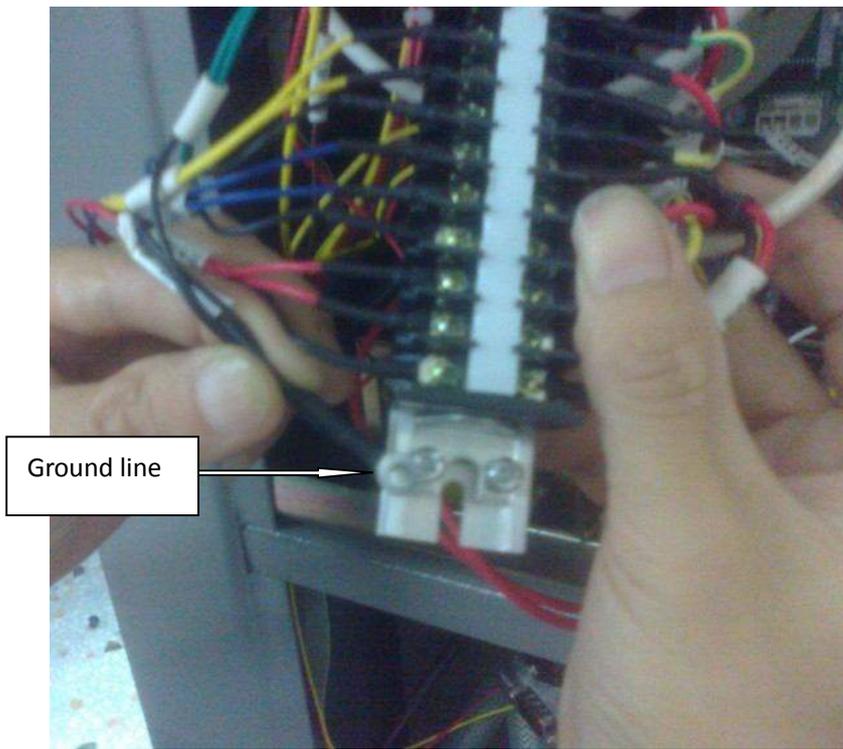
- b. Reconnect the lines of terminals as follows. (The connection line a,b,c,d,f,g,h will be fixed to the terminals by "+" screwdriver.)



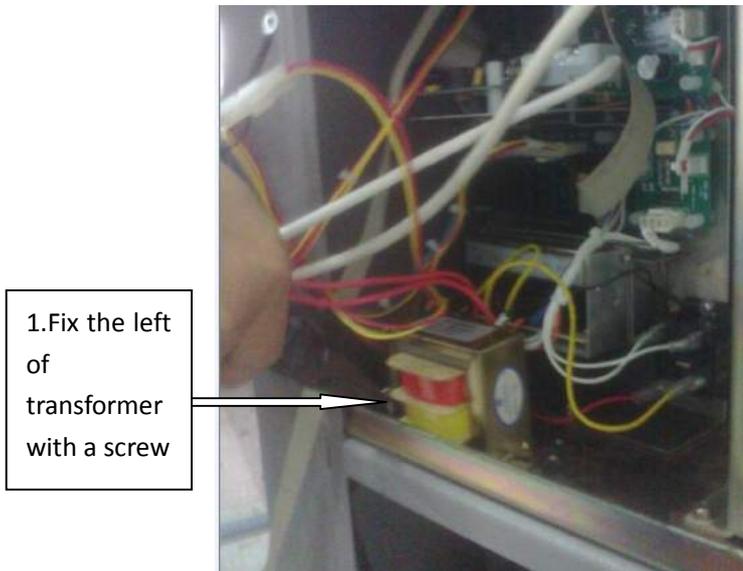
- c. The new circuit components which need to put into the upper left corner of instrument as picture. (All connection line include j(1),g(1), f(1),h(1), i(1))

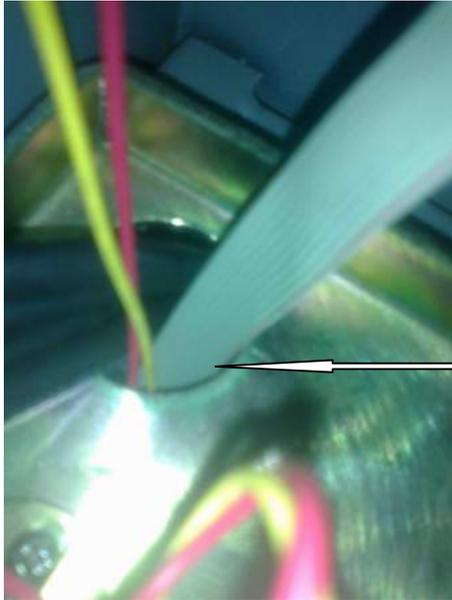


- d. Put the board fixture into the upper left corner of instrument, and fasten 2 screws at the bottom to fix it, then fix the connection line to the terminals by "+" screwdriver corresponding with j(1)--a,b,c,d, g(1)--g, f(1)--f,h(1)--h, and the ground line will content with the screw of the terminals.(Notice: j(1) the black line will correspond with yellow-green line, another two lines will not be distinguished; g(1) ,f(1) "+" - "will not be distinguished; h(1) the color of 4 lines need be corresponded.)

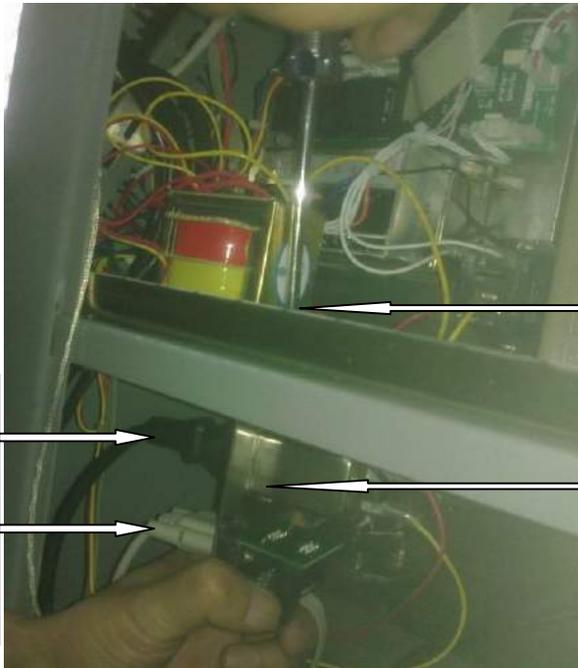


- e. Put the terminals on the left of board fixtures (it can not be fixed), then fix the transformer and electron tube socket.





3. Let the removed line reach the lower of middle plant from the left hole of middle plant.

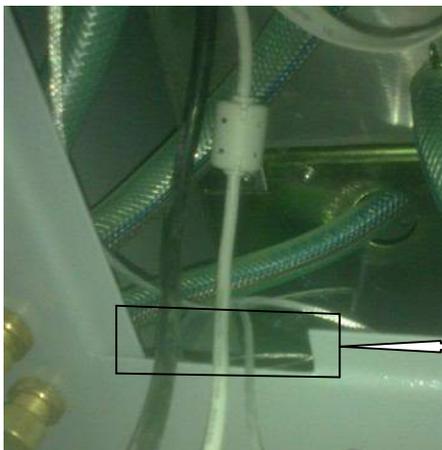


4. Fix the right of transformer & 1 hole of electron tube socket with a screw at the same time.

5. Reinstall the connection line and flat cable, then connect the power cable and serial data cable.

Note: Make the electron tube socket in the inclined position so the Instrument can cover the back panel.

f. Cover the back panel of instrument.



Make sure power cable, data cable and sensor line wear out from the gap of back panel.

**Step3:** Install the new software V3.1, please note:

For your instrument, please choose the following content in system setting.

1. Choose the right model of the instrument: AC/PL;
2. Temperature probe: Glass probe
3. Calibrate two heat capacity, you need to choose different heat capacity when you choose different analysis method: quick method and normal method.
4. Others, please refer the announcement of software in the files.

# Appendix: Wiring diagram

