SERVICE MANUAL

artisJet
We Are Here to Support

artisJet 2100U Desktop UV Printer



How to Check UV lamp with Multimeter

artisJet Customer Care Center
January,2017

artisJet 2100U Trouble Shooting for UV lamp is off during printing

Preparations before Replacement

artisJet

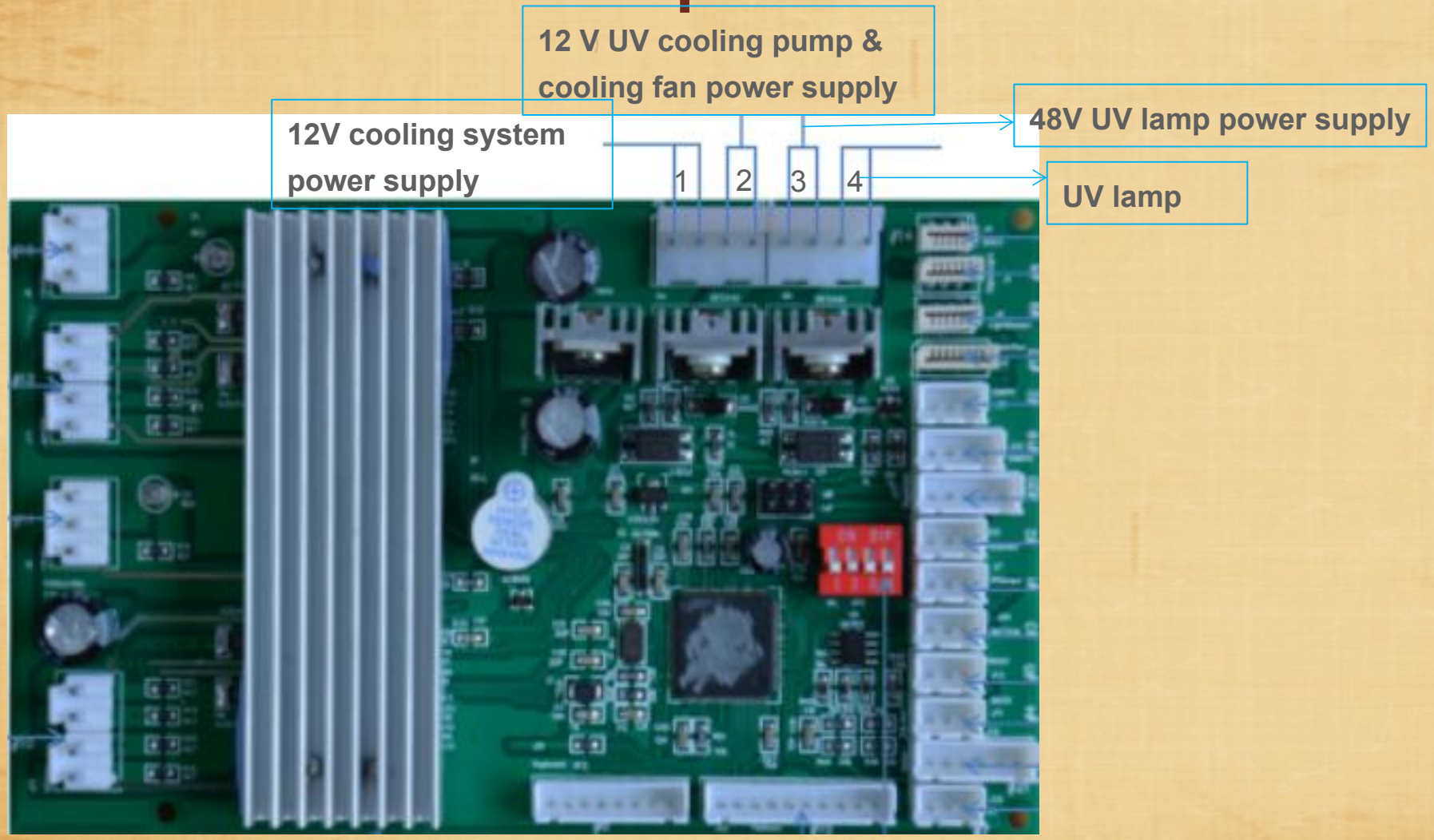
artisJet 2100U Printer



Multimeter



Group 1-4 on SCM Board



How to check UV lamp with multimeter

Step 1: power on printer and turn multimeter button to DC 200V.

Test Group 3& Group 4 cables on SCM board.

Normally Group 3 is 48V, Group 4 is 0.

Step 2: Press UVM button and send printing task from Rip V8 software.

Test Group 4 with multimeter.

Normally the result is between 0-48V. if result is 0 or 48V, it means the SCM is broken.

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How to check UV lamp with multimeter

Step3:. Power off printer and open the UV lamp connector.
Power on printer and press UVM button.
Test Group 4 cables(Red to Red, Black to Black, if beeping sound from multimeter,
it means the cables connection between SCM Board to UV lamp connector is in good condition.

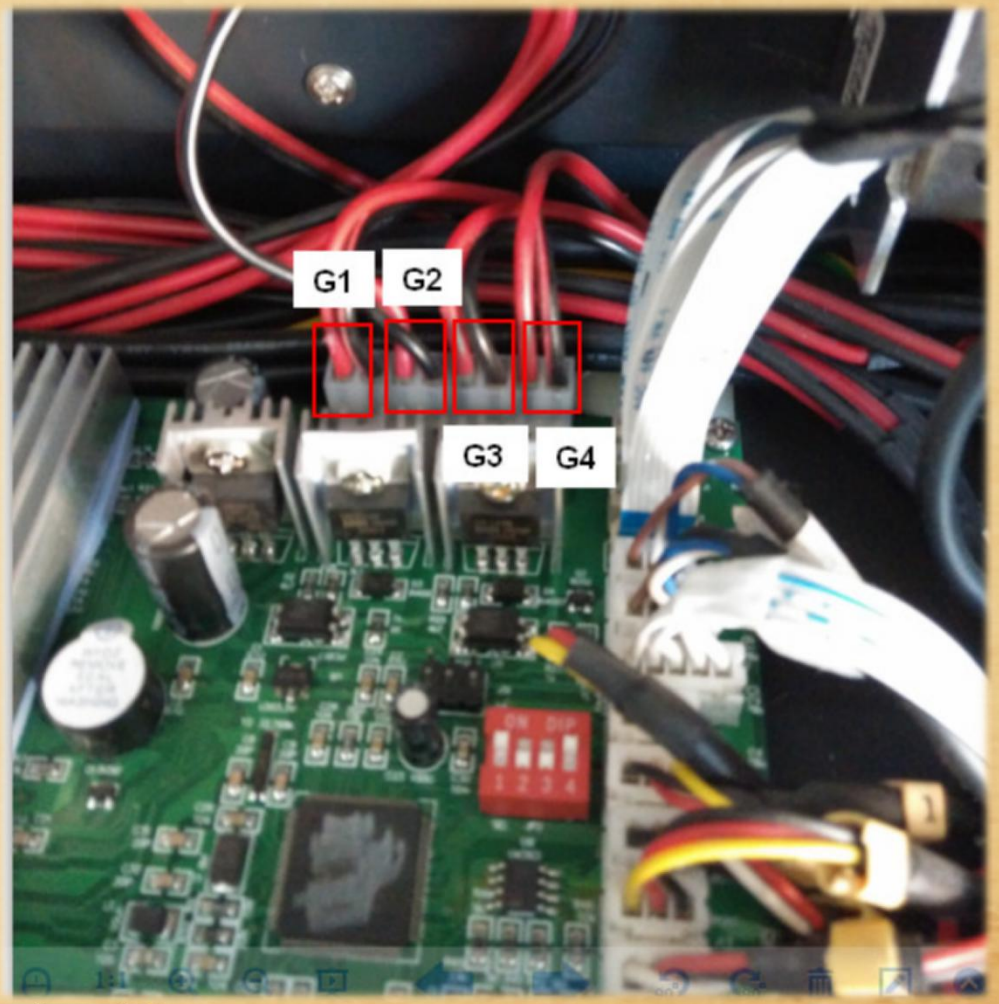
Step 4: if UV lamp is always on, please power off printer and open the UV lamp connector.
Power on printer and test Group 4 cables on SCM board, if result shows 48V,
it means the SCM board is board. We need to replace SCM board.

Step1: Test Group 3 cables

1-1. Power on printer and press UVM button.

1-2. Turn multimeter button to DC 200V.

1-3. The result should be 48V.



Step1: Test Group 3 cables



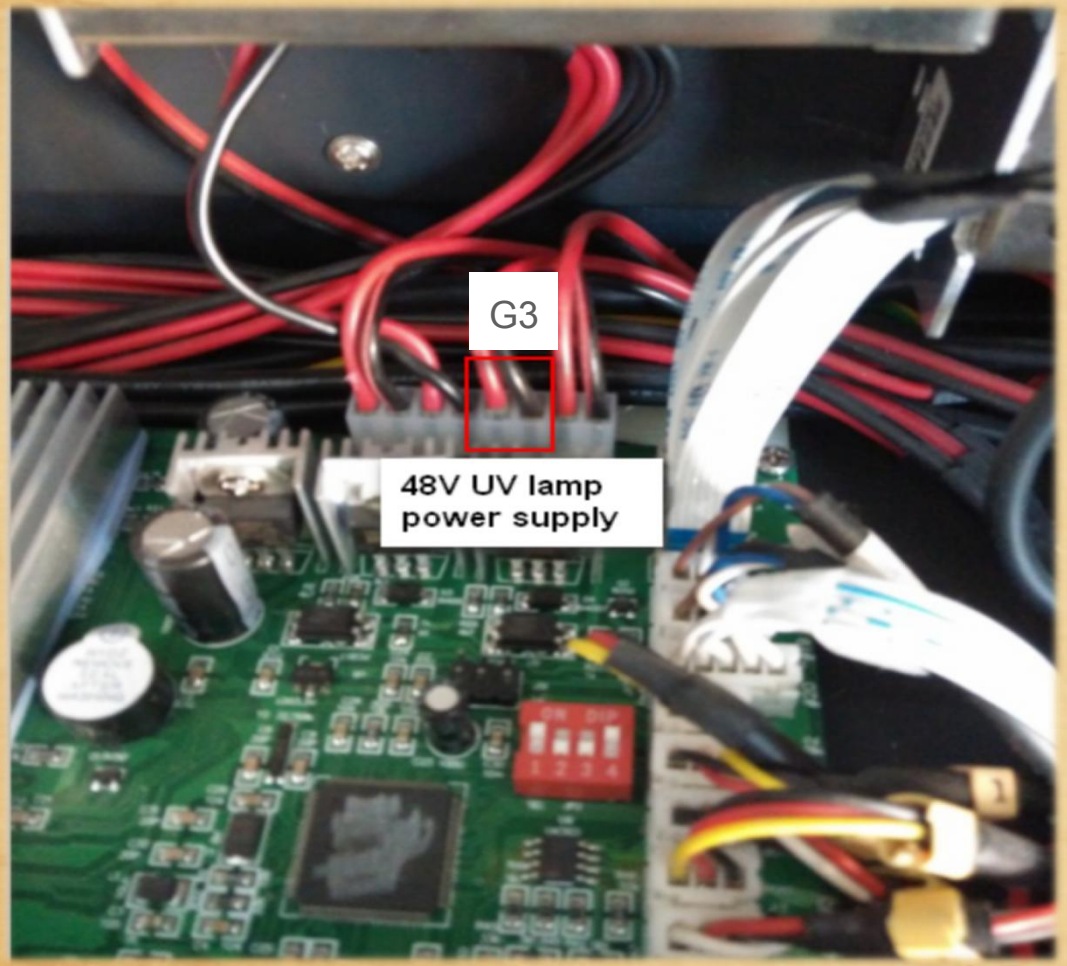
Picture 1

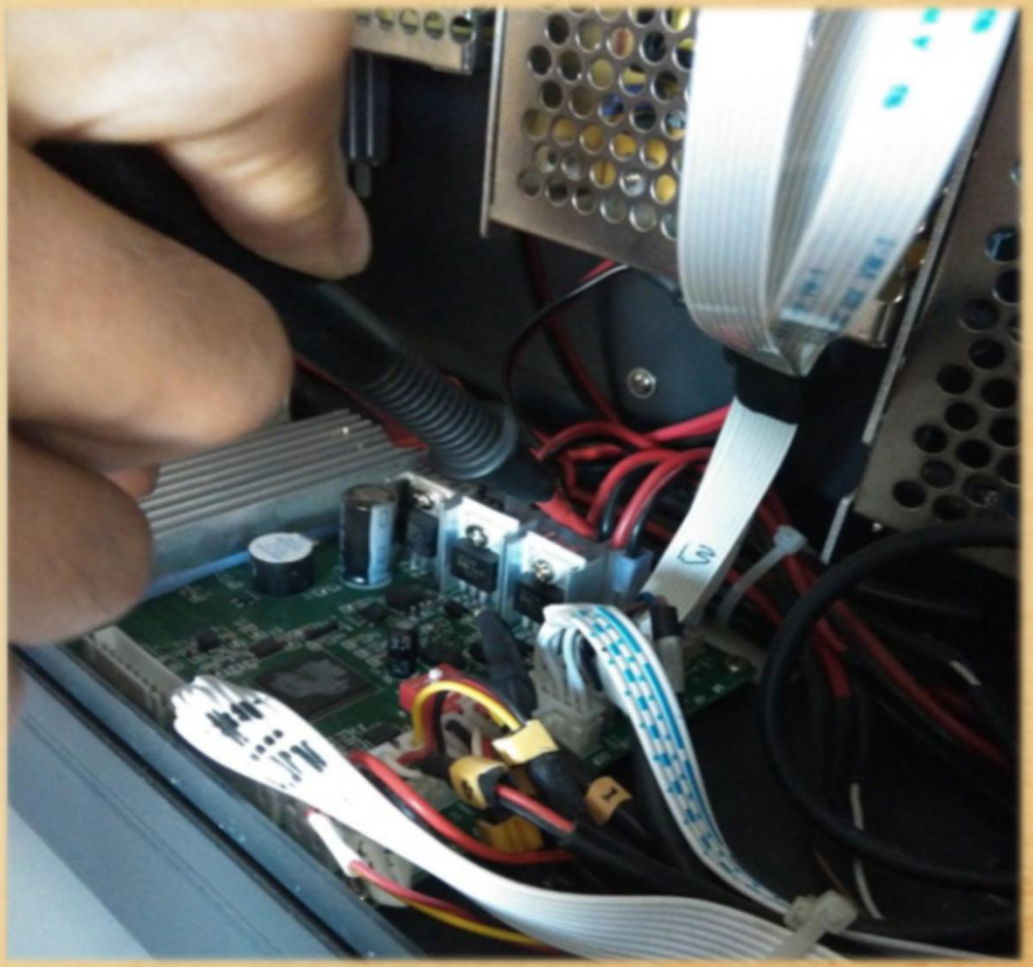


Picture 2

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Step 1: Test Group 3 cables



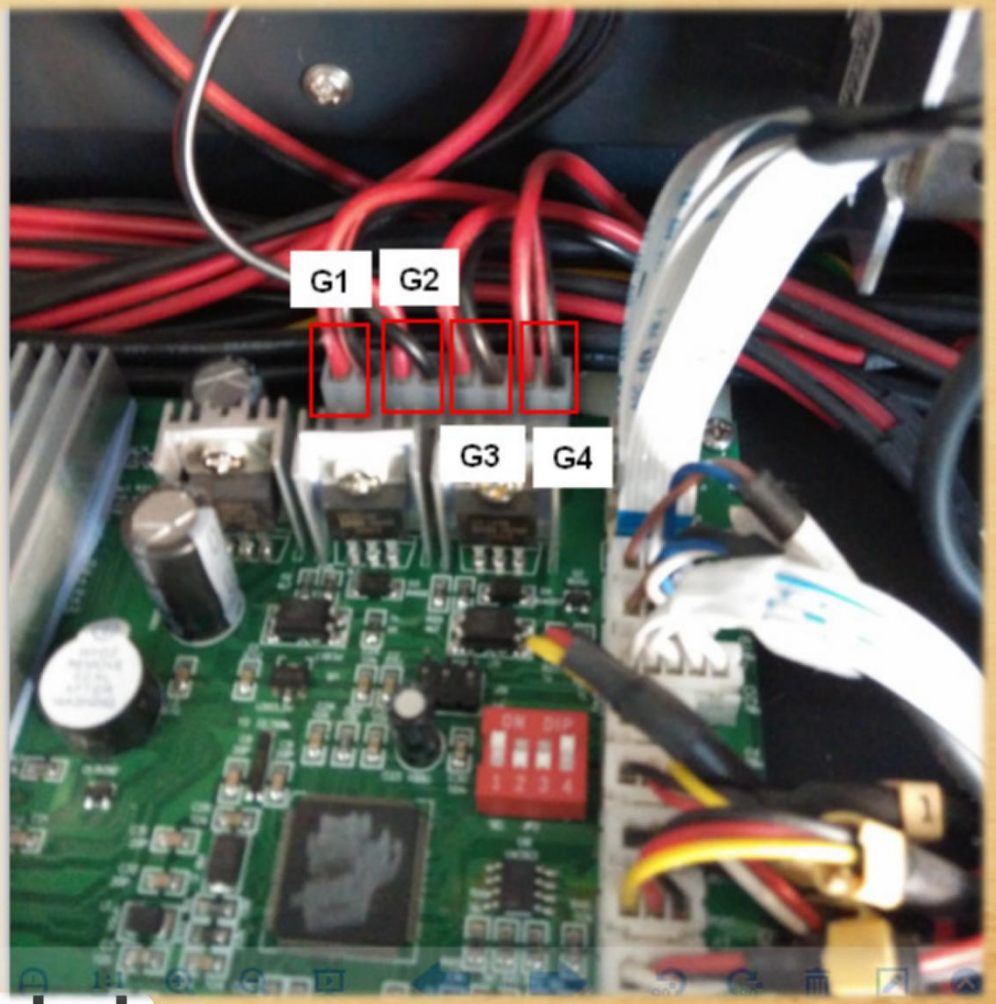


Step 2 Test Group 4 cables on SCM board

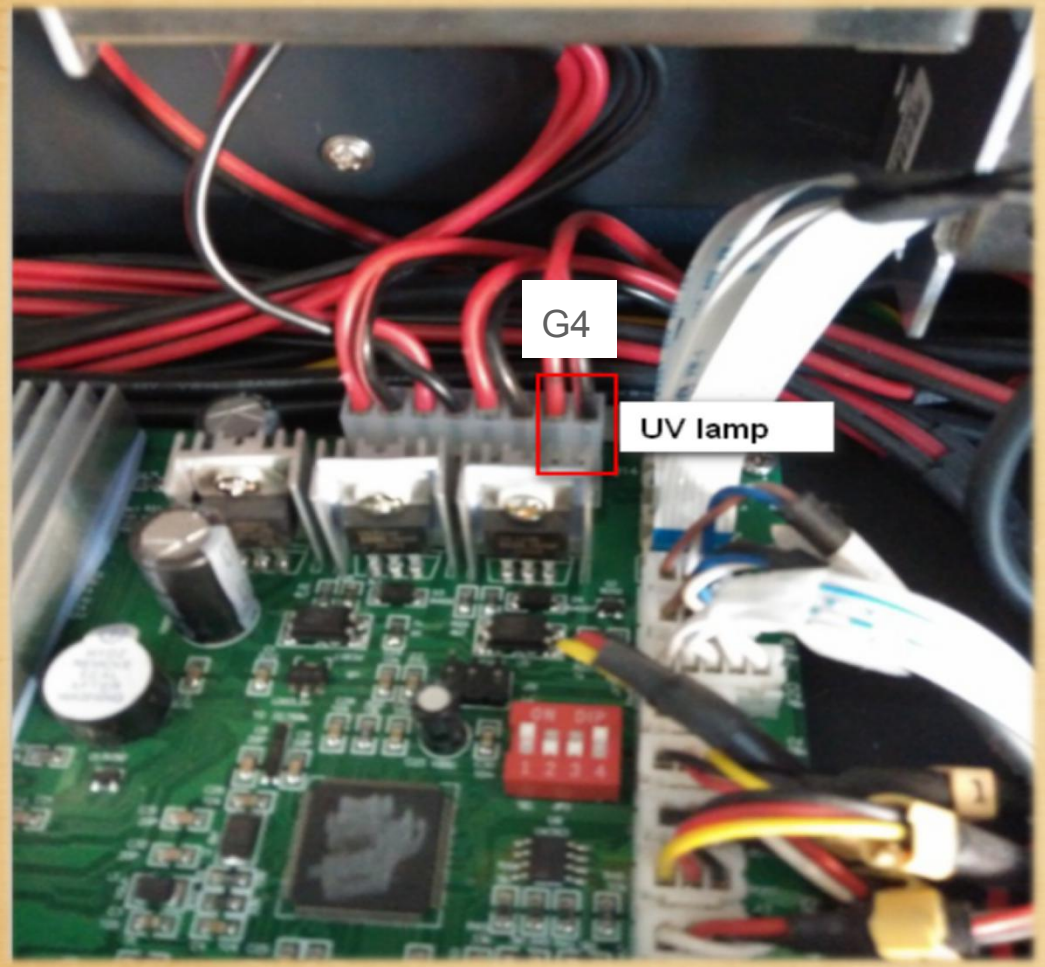
2-1. Power on printer and press UVM button.

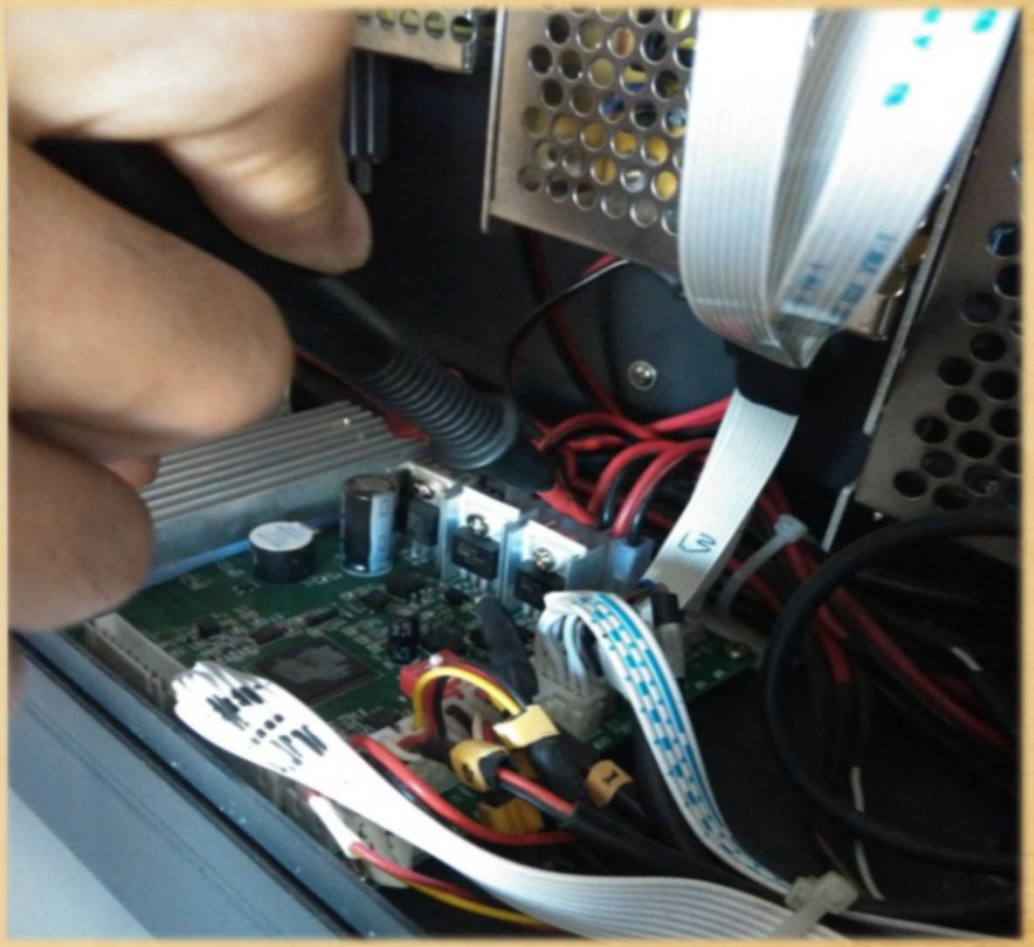
2-2. Turn multimeter button to DC 200V.

2-3. The result should be 0.



Step 2 Test Group 4 cables on SCM board





Step 3 Test Group 4 during send printing task

3-1. Power on printer and press UVM button.

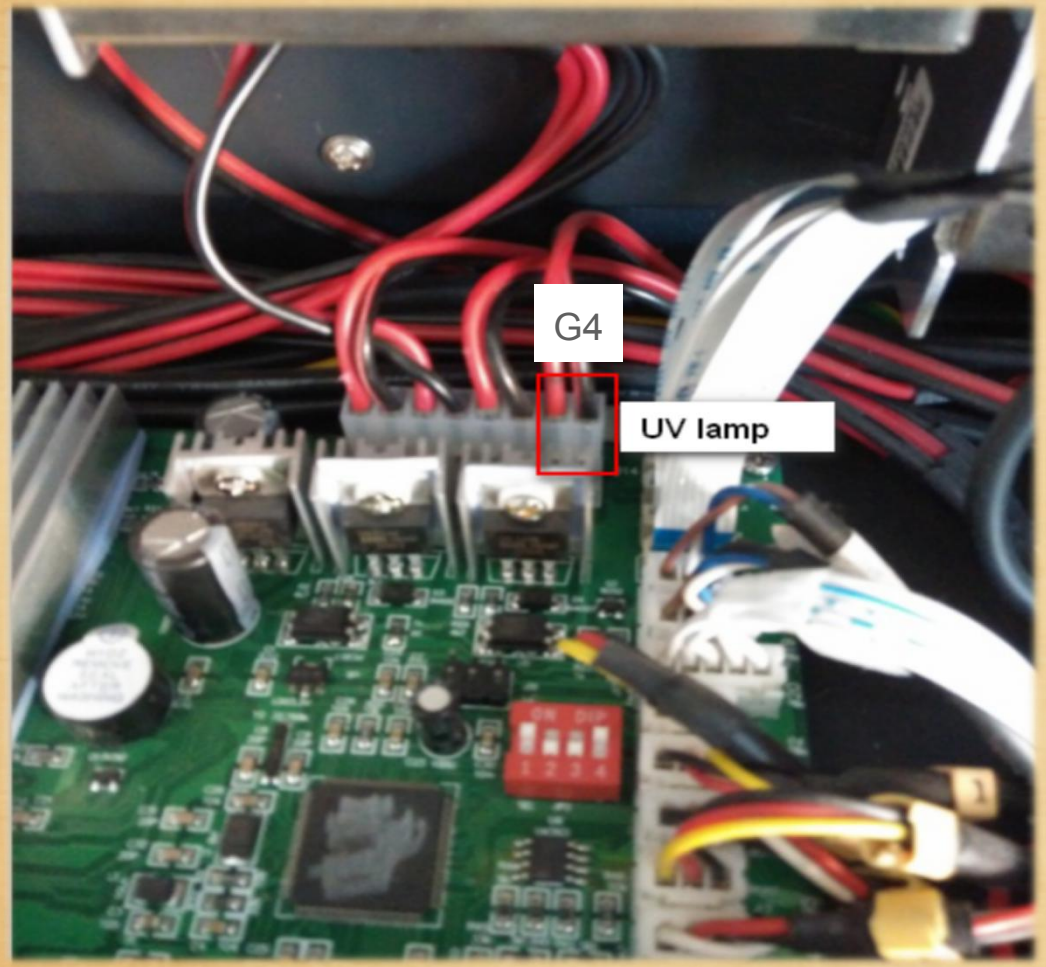
3-2. Turn multimeter button to DC 200V.

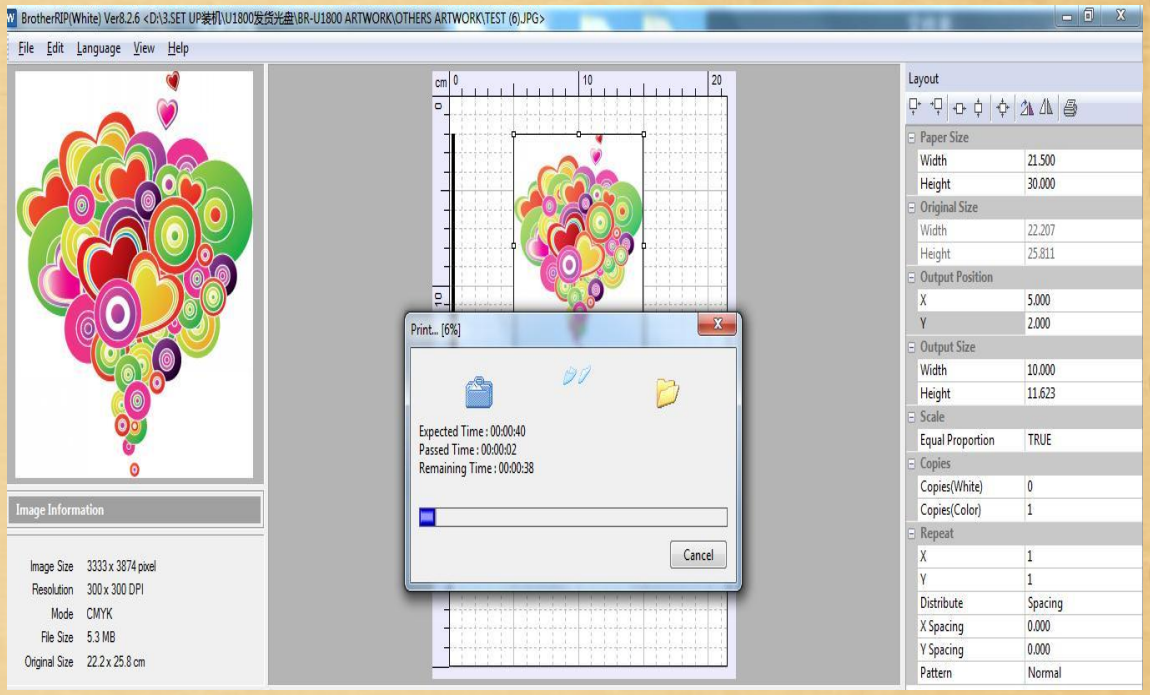
3-3. Send printing task from Rip V8 software.

3-4. The result should be changed between 0-48V.

If the result is always 0 or 48V, it means the SCM board is broken.

Step 3 Test Group 4 during send printing task





Step 4 Check the UV lamp cables between SCM board and UV lamp connector

4-1. Power on printer and press UVM button.

4-2. Turn multimeter button as picture shows.

4-3. Remove UV lamp connector.

4-4. Test Group 4 cables between SCM board and UV lamp connector.

Case 1: If there is beeping sound from multimeter, it means the cables connection are in good condition.

Case 2: If there is no beeping sound from multimeter or only one cable test result has beeping, it means the cable connection is broken.

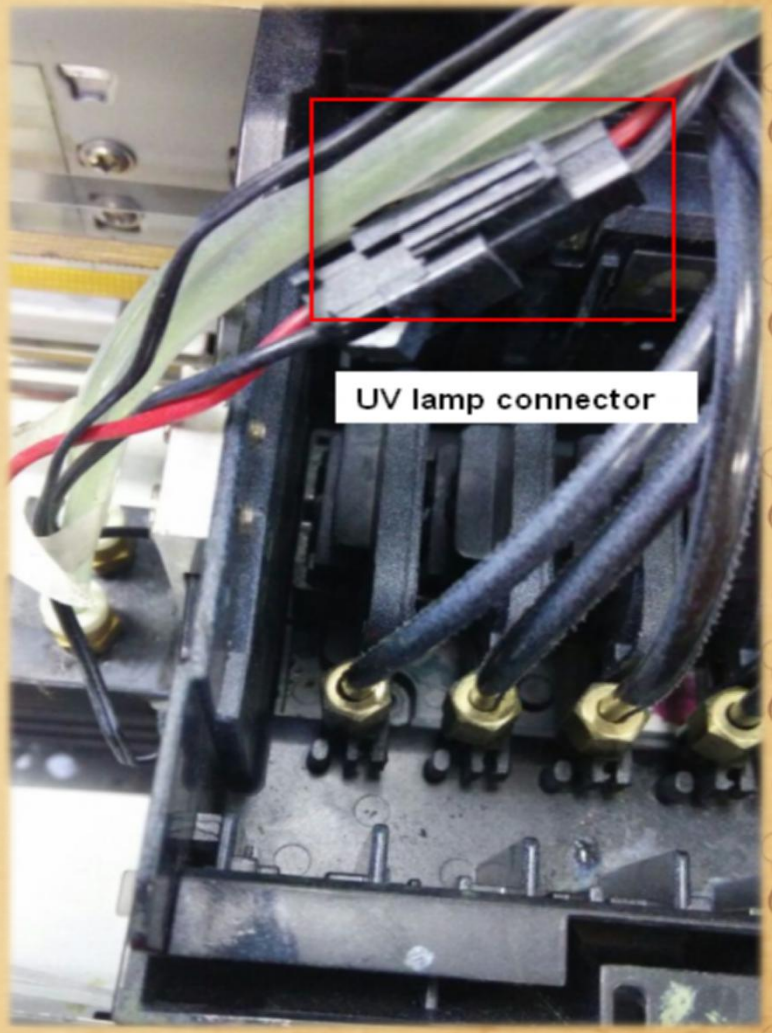
Remove the plastic tape to check the cables connection is broken or not.

If can not find the broken connection, replace the whole cables. It can be find in the local market.

Step 4 Check the UV lamp cables between SCM board and UV lamp connector



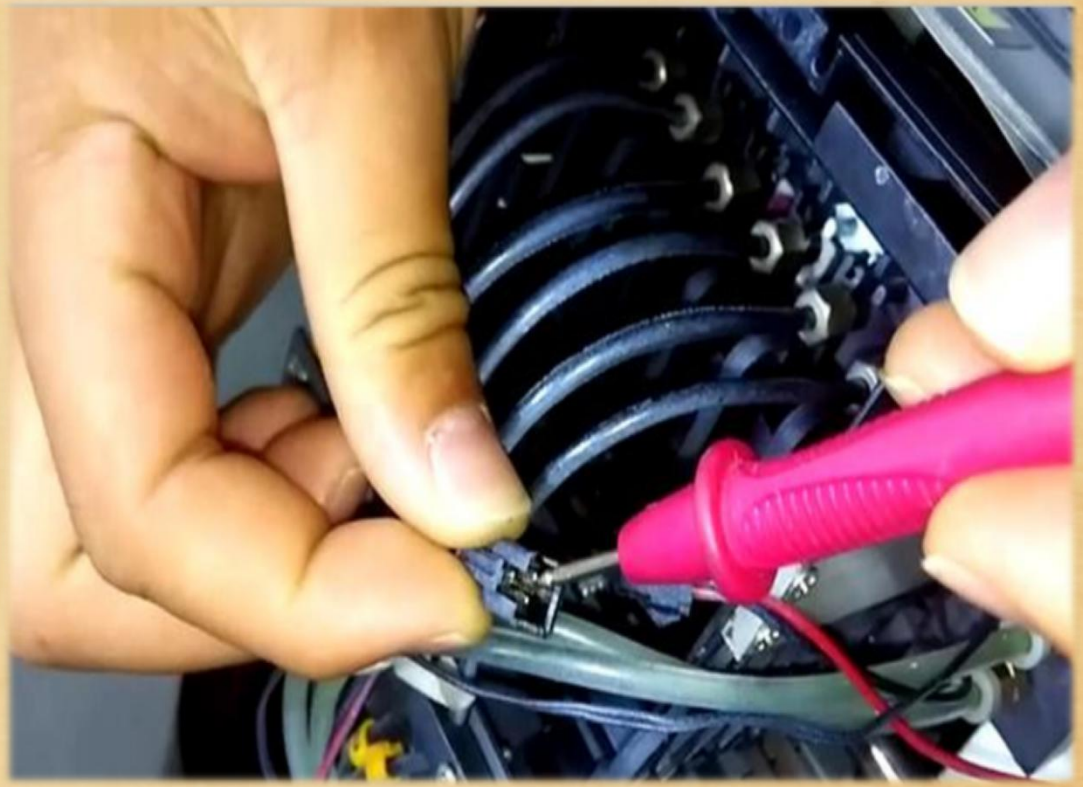
Picture 1



Picture 2

Step 4 Check the UV lamp cables between SCM board and UV lamp connector





Black cable connection

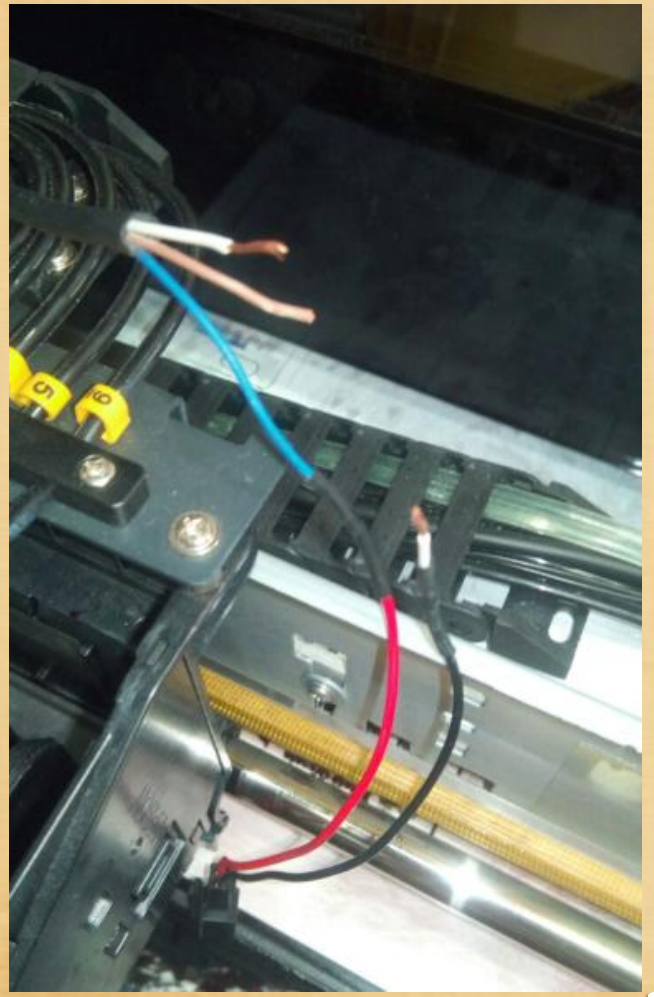
Step 4 Check the UV lamp cables between SCM board and UV lamp connector





Red cable connection

Step 4 Check the UV lamp cables between SCM board and UV lamp connector



1. Remove the plastic tape to check the cables connection is broken or not.
2. If can not find the broken connection, replace the whole cables. It can be find in the local market.

Step 5 Test Group 4 on SCM board if UV lamp is always on

If UV lamp is always on, we need to check group 4 cables on SCM board.

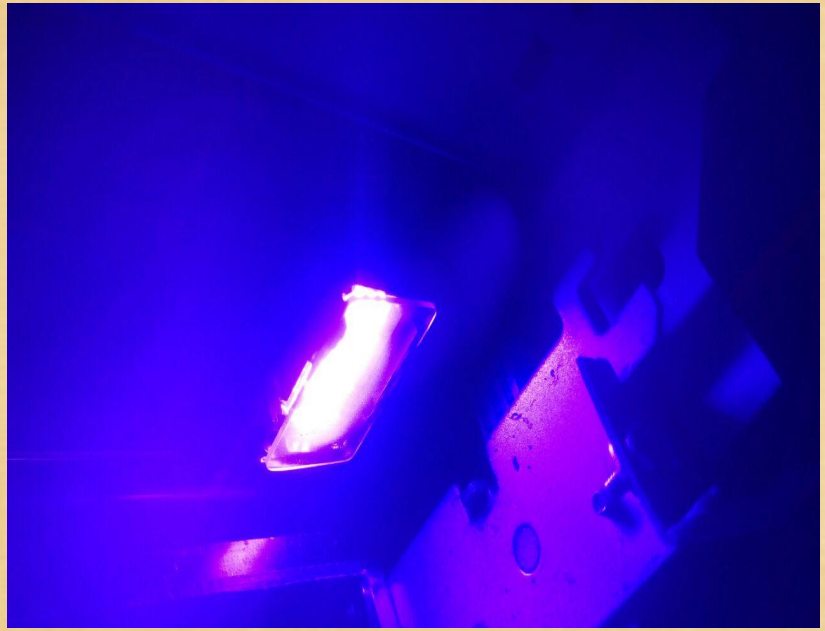
5-1. Power off printer and remove UV lamp connector.

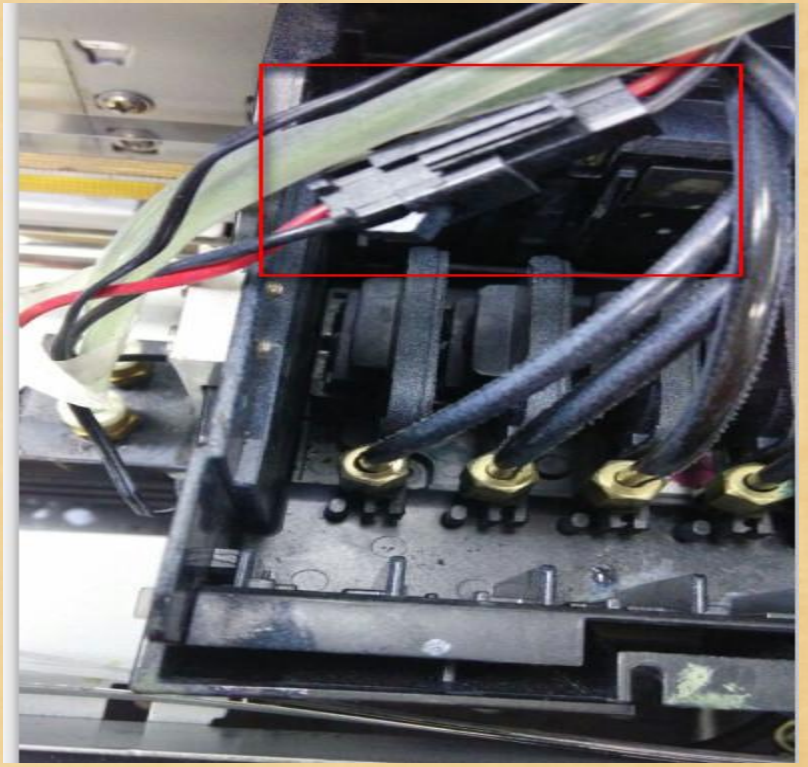
5-2. Power on printer and test group 4 cables on SCM board.

Normally the result is 0, but if result is 48V, it means the SCM board is broken.

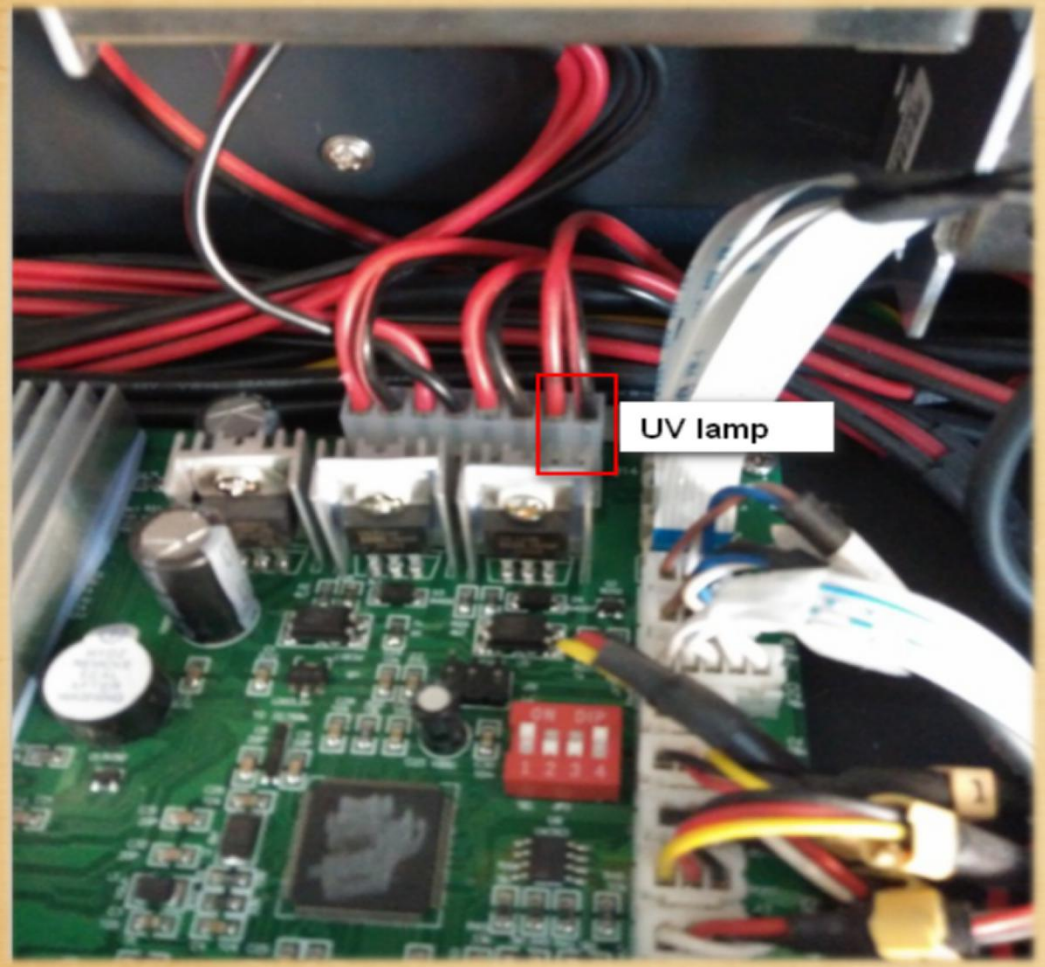
So we need to replace SCM board.

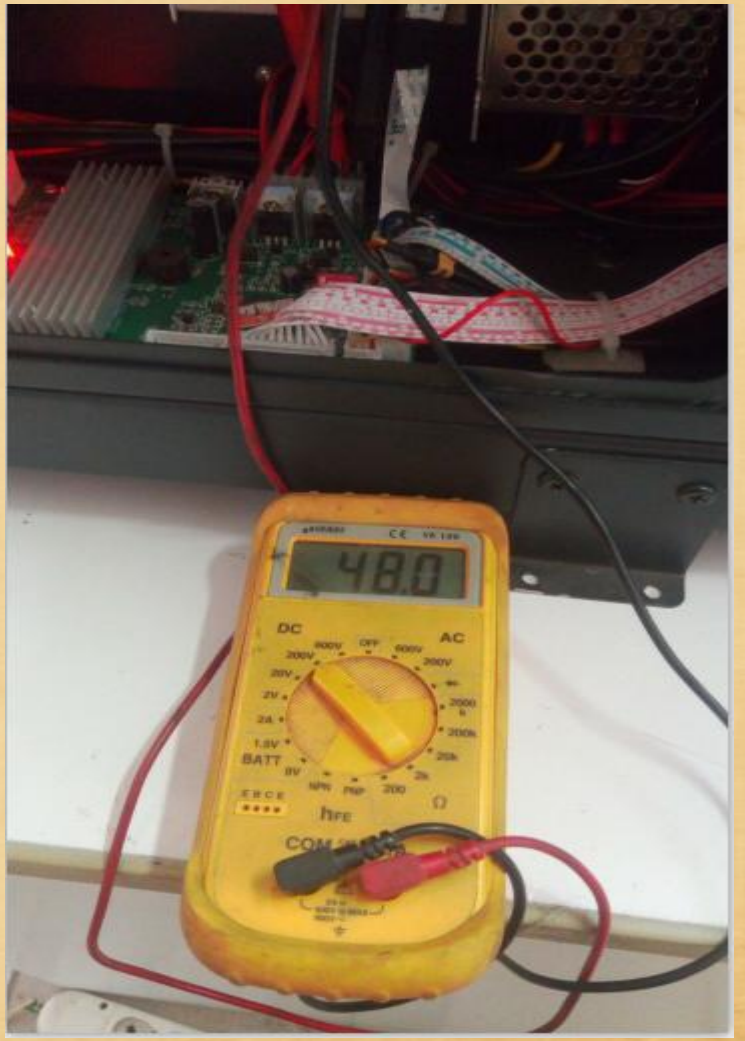
5-1.Power off printer and remove the UV lamp connector





5-2. Power on printer and test Group 4 cables on SCM board





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