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# Installation Guide

**5206e M/B to 5272 M/B**

**Upgrade kit for**

**X380\_MG380\_X252\_Mercury III\_Venus II**

Revision History :

Version	Date	Page	Contents
1.0	Jun, 05, 2017		First release

# Parts List

5206e to 5272 V2 Mainboard Upgrade kit part numbers:

Mercury III: 290084310G

X252: 290089880G

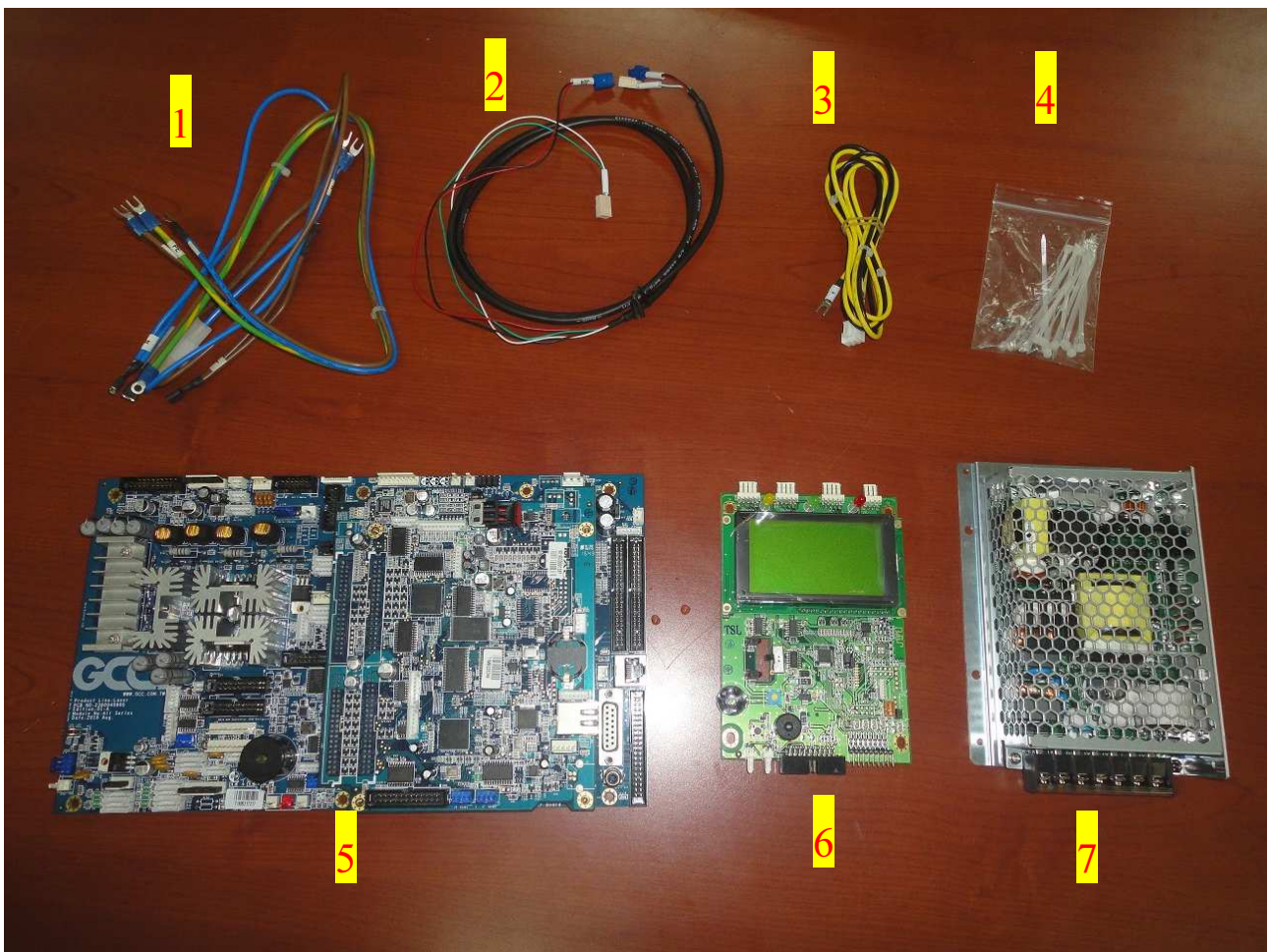
X380: 290084360G

MG380: 290089870G

Venus II: 290084350G (this model is smaller and has different location, but the installation logic are the same).

The installation processes for these five models are almost the same. We use MG 380 to do the instruction below:

When customer order upgrade kit above, the parts customer receive are below (Mercury III and Venus II do not have item #2, these two models do not need this cable).

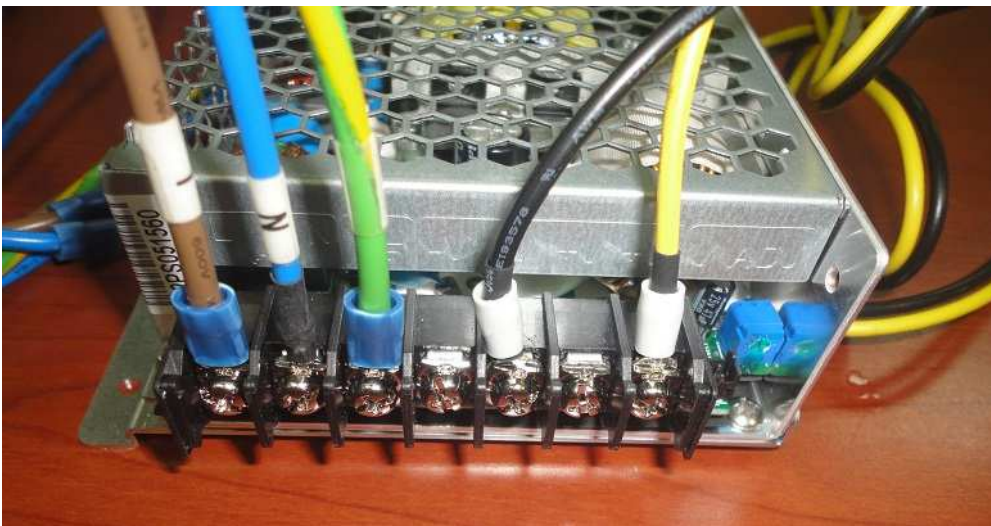


## Installation

Remove 5206e main board and power board from machine (the two red circles below).



Mount AC cable (item #1) and DC cable (item #3) on power board(item #7). AC cable (Live is grey cable, Neutral is blue cable, ground is green cable). DC cable(Yellow connect to V+, Black connect to V-).

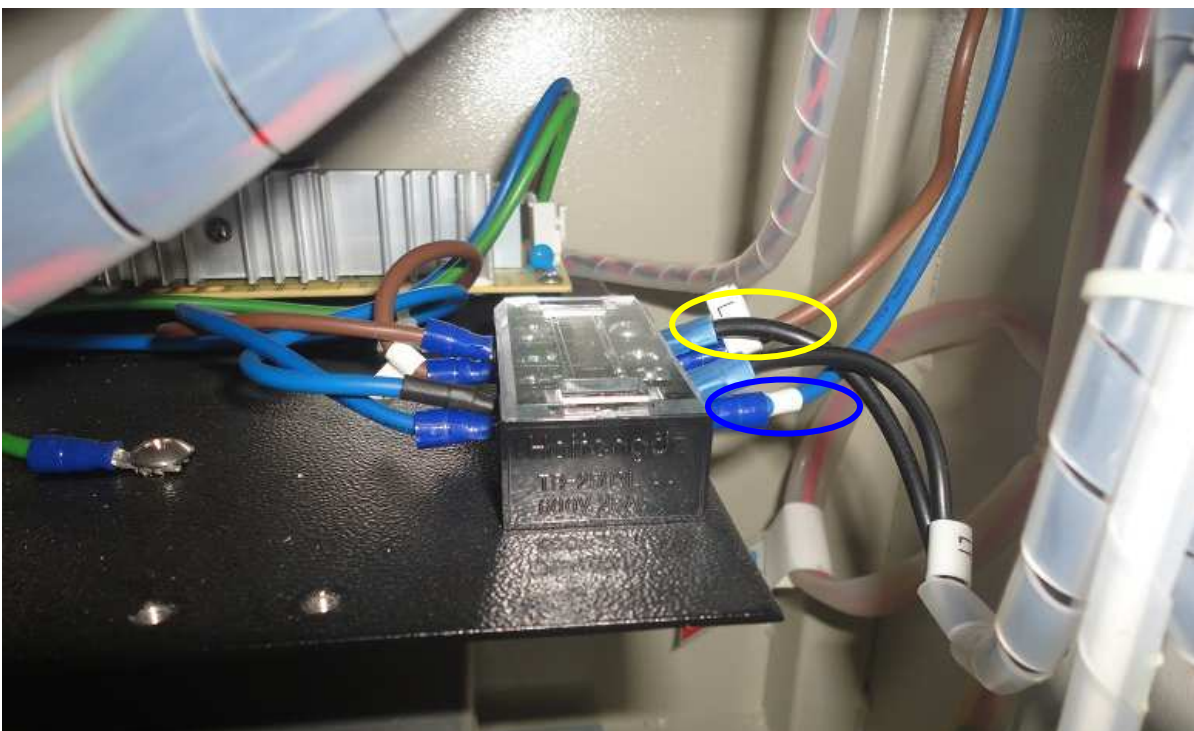
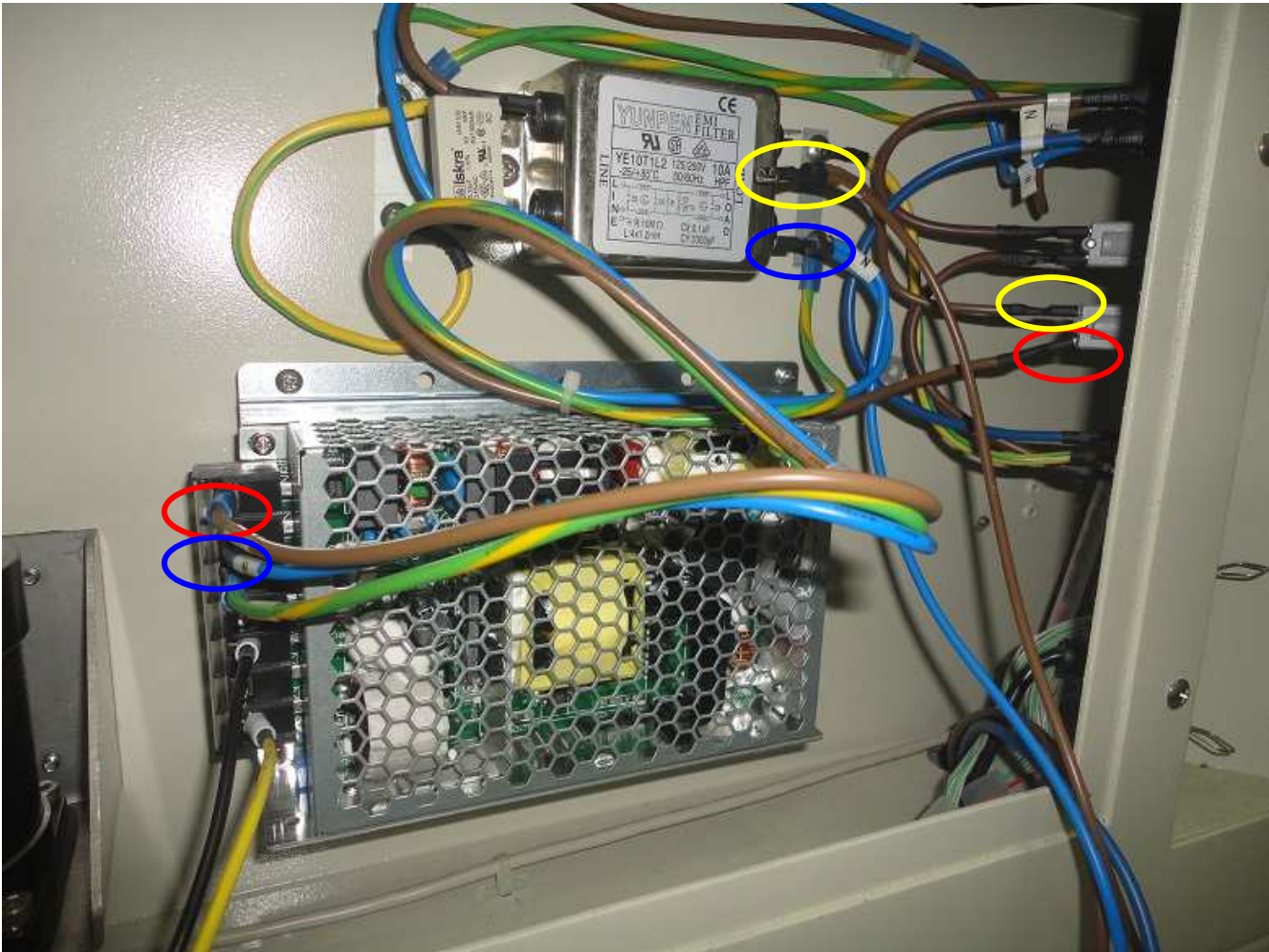




Remove the original AC cable (see red circles below).

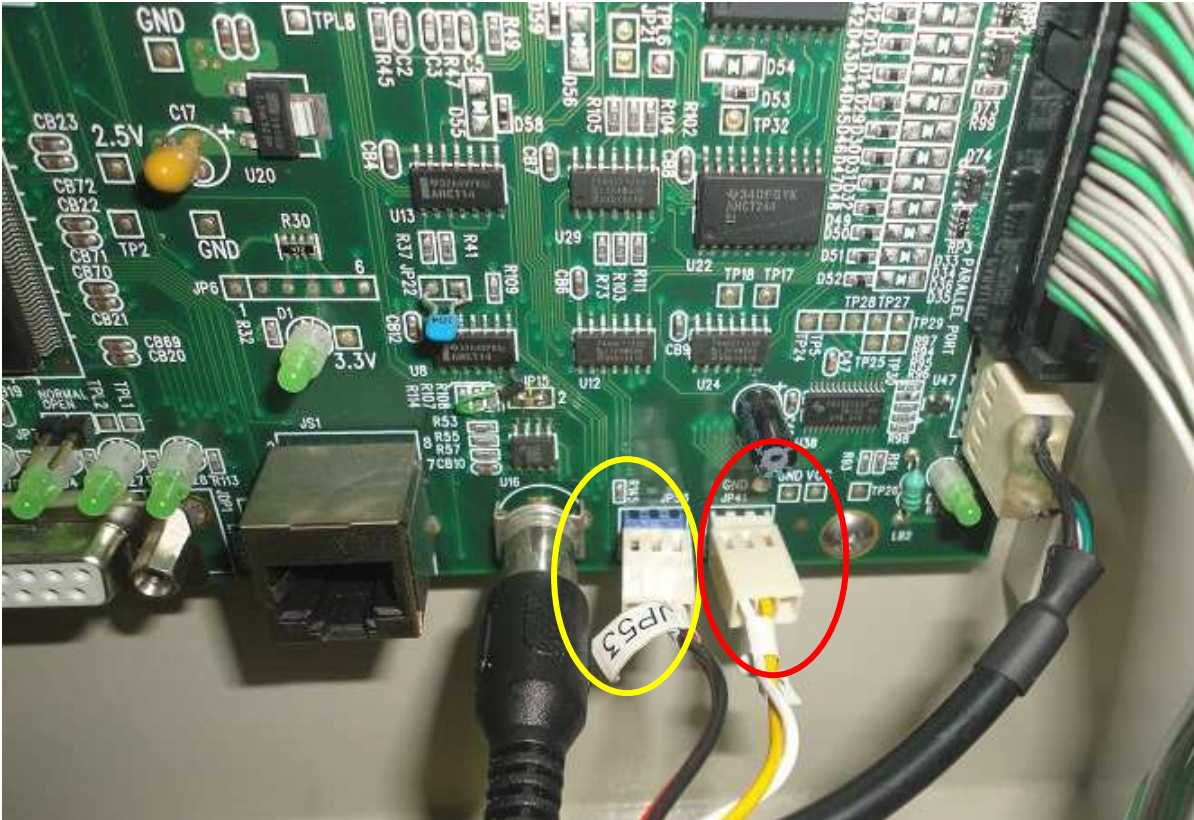


The other side of AC cable connect to the positions below. The Live (grey cable) is complicated. The Grey-1 has two ends(see red circles below). The Grey-2 has 3 ends(see yellow circles below). The Neutral (blue cable) connections are in blue circles.

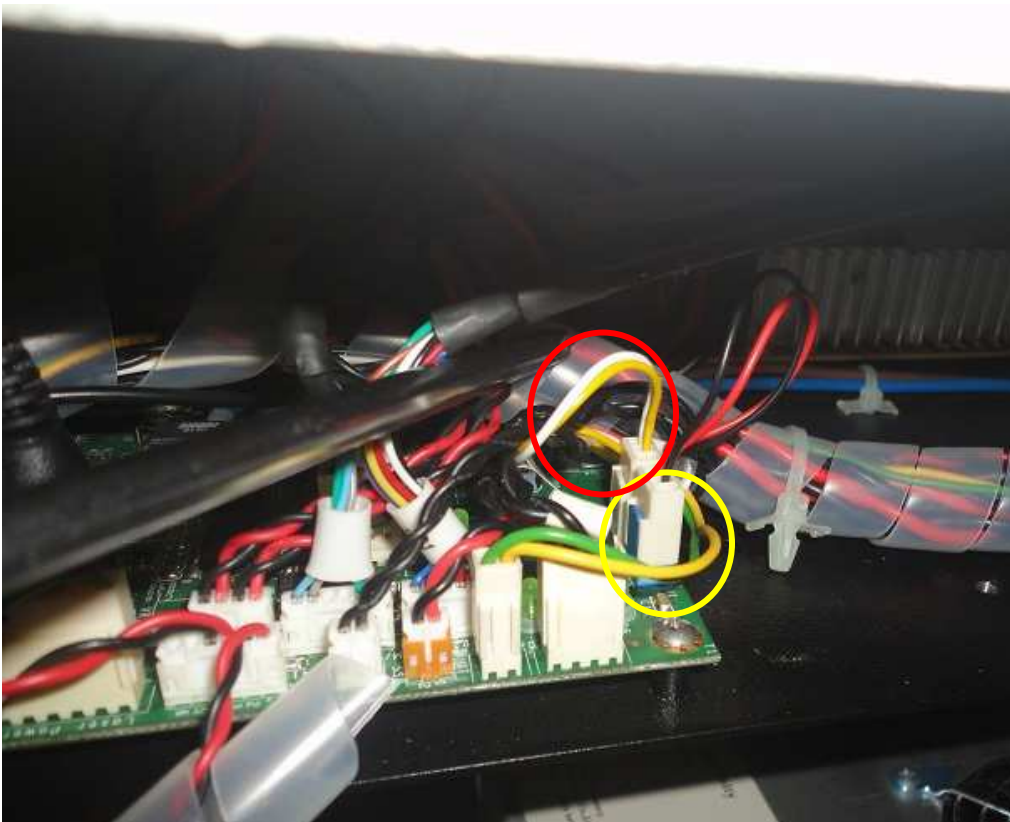




Remove original two signal cable: JP53(yellow circle) and JP41(red circle) cable from 5206e main board and replaced main board to be 5272 V2 main board.

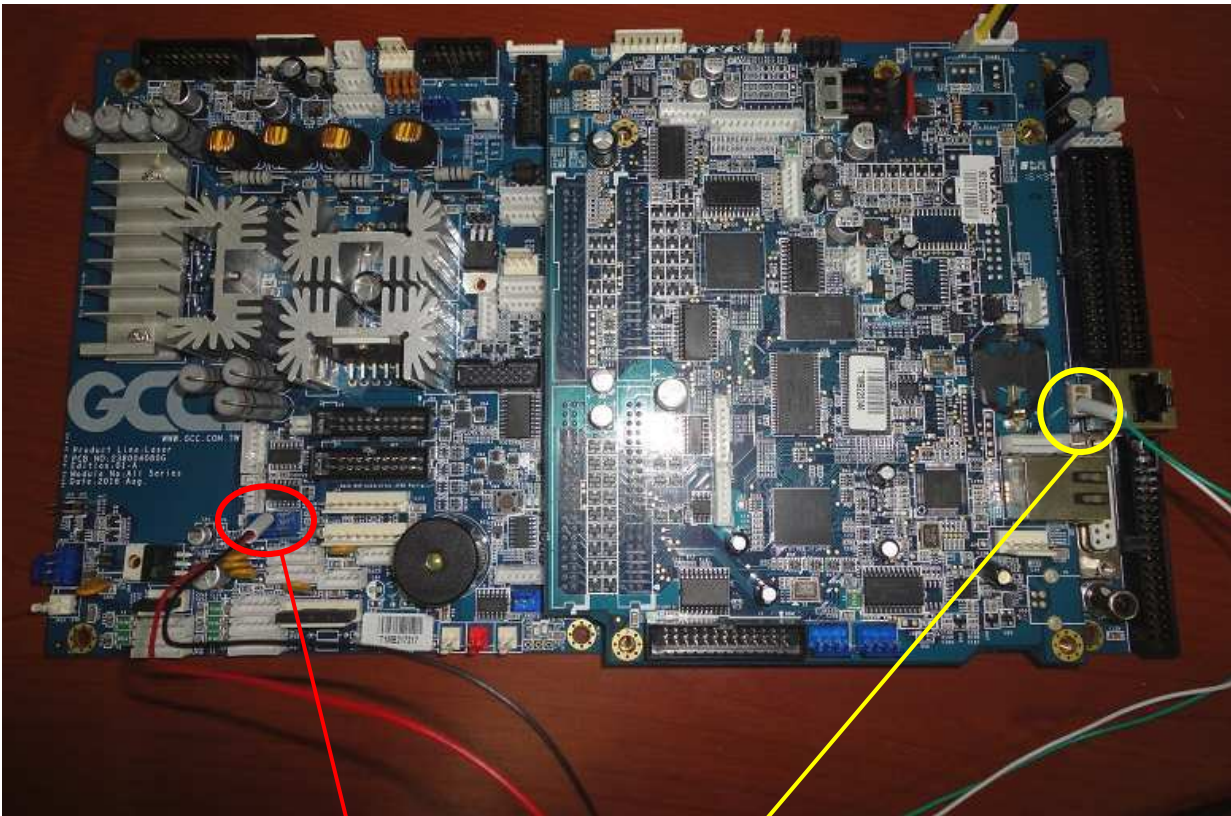


The other side of original two signal cable: JP53(yellow circle) and JP41(red circle) are on laser control pcb (the red circle and yellow circle below). Remove these two cables.

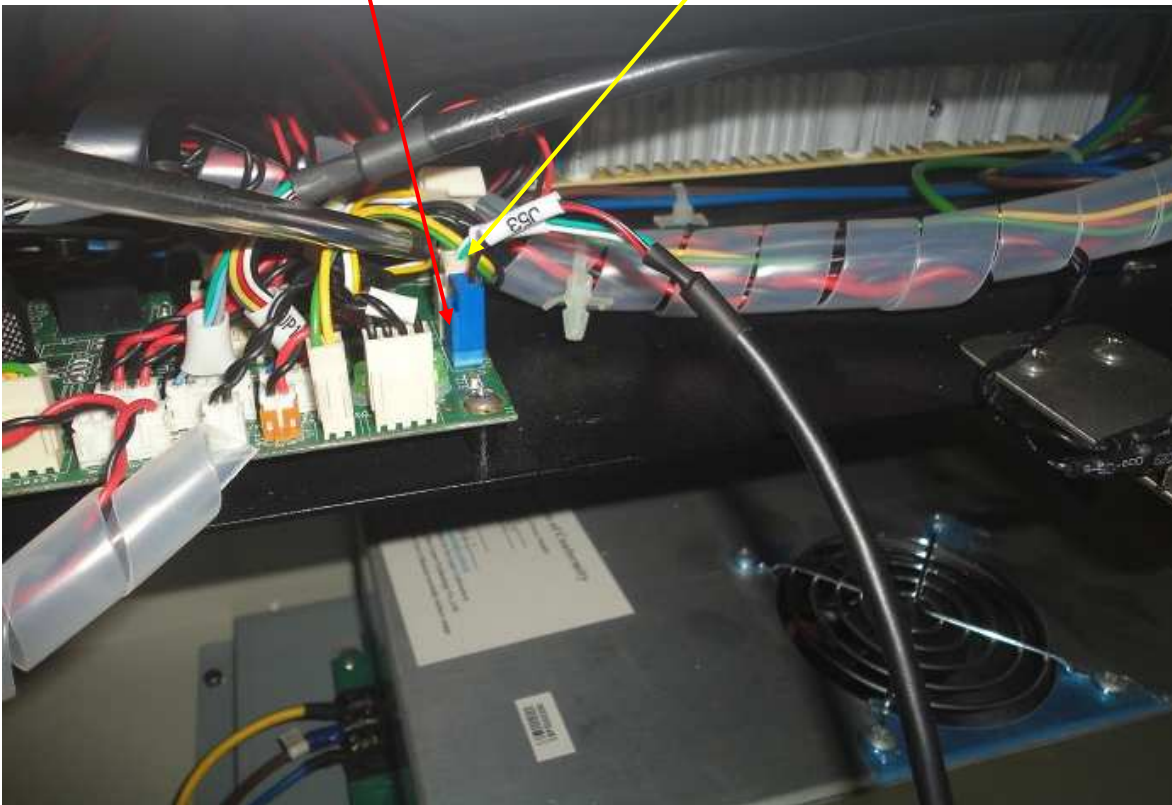




After change 5272 V2 main board, the signal cable (item #2). One side of the signal cable (item #2) connect to 5272 V2 main board(see positions on red circle and yellow circle).

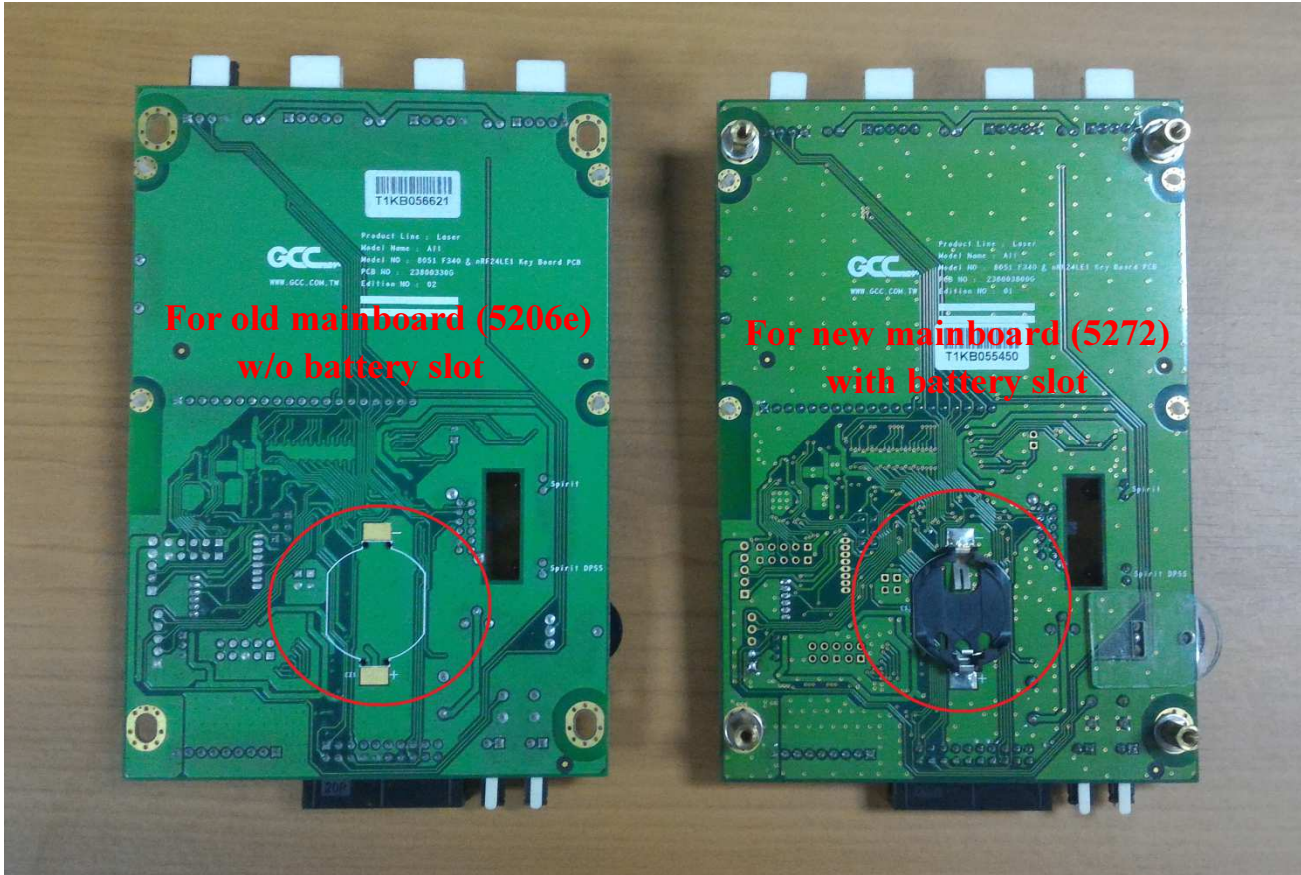


The red circle has the blue connector(the red arrow pointed) and yellow circle has the white connector(yellow arrow pointed).

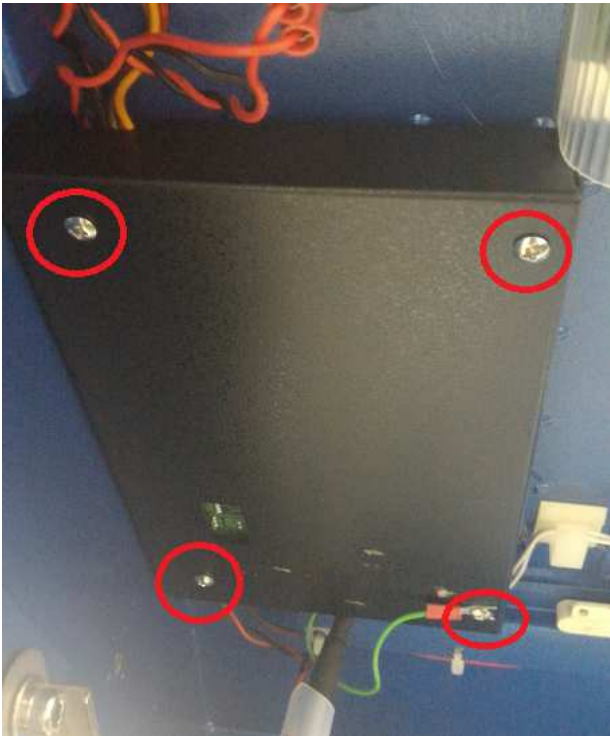




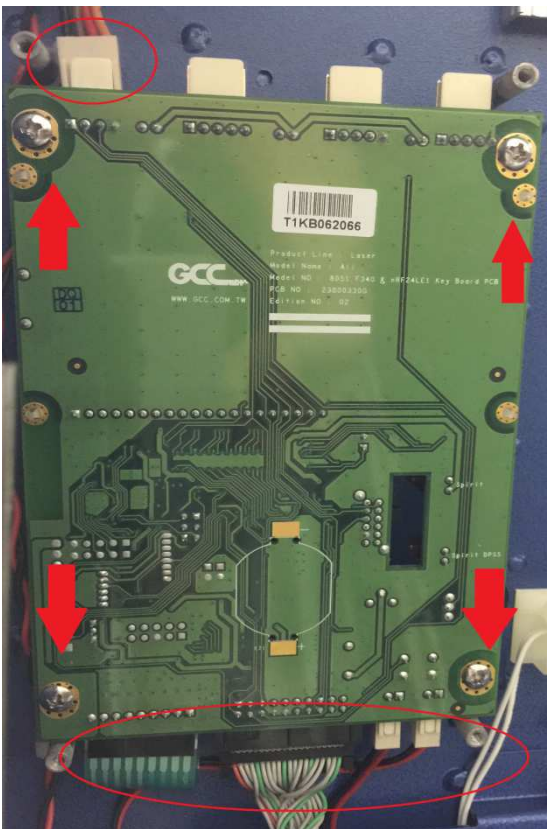
1. The control panel needs to be replaced as well, control panel for 5272 Mainboard is different from which used on 5206e, you can tell by the battery slot refer to below picture.



2. Loosen those four screws (see the red circles) of the cover which protect the control panel assembly.



3. Loosen those four screws (see the red arrow) which fix the control panel, and disconnect all the cables connected (see the red circles) refer to below picture.





4. Install the new control panel with all the cables connect in the same way as original, fix the protect cover.



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