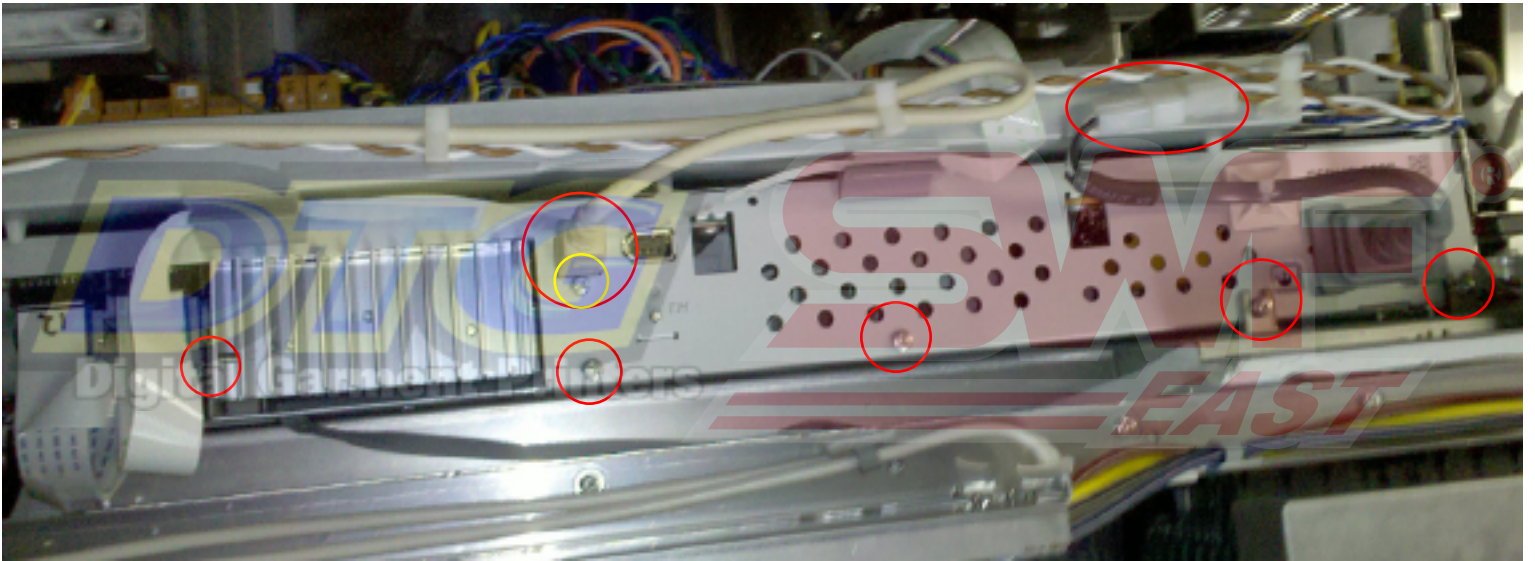


HM1 Head Cable & Mainboard

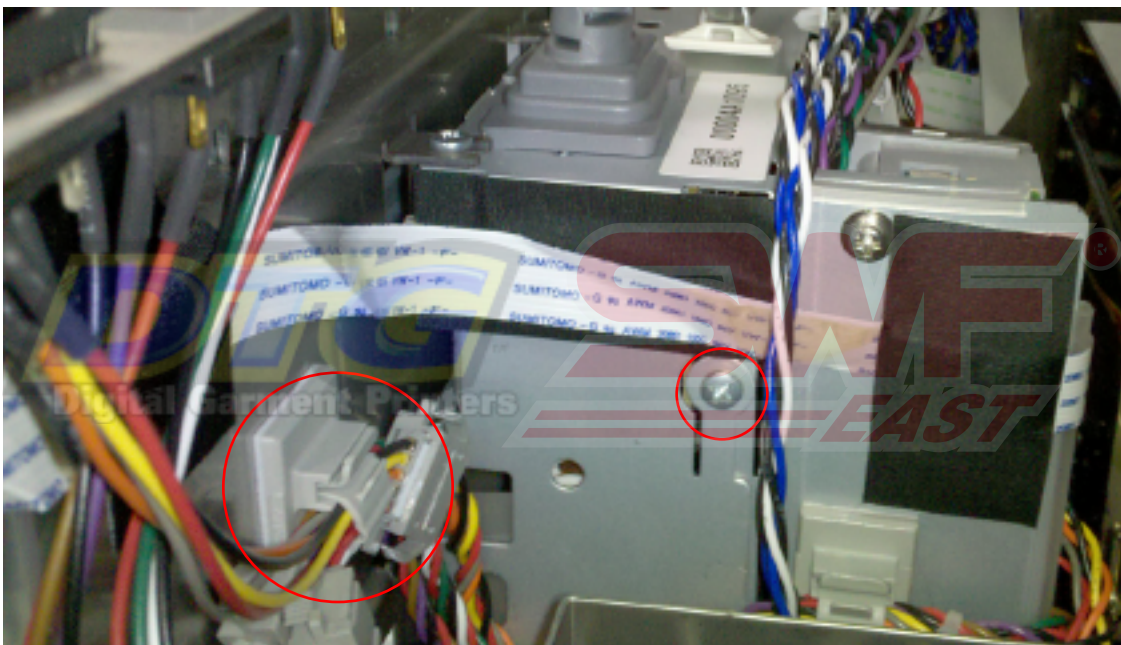
Tools needed: Phillips #1 and #2 screwdrivers. Phillips #1 ratcheting screwdriver (or stubby), paper towels, tape (cloth or masking, not duct).

1) Remove the blue covers from the machine. Start with the front cover. There are two screws on either side, and one screw on each side of the front of the cover. These are all #1 Phillips screws. Unplug the fan from the left side. Set the cover aside.

2) The back cover has two small plates covering the ink lines on each side. Remove those covers first. Then there are two screws on each side and one screw in the middle. Use your #2 Phillips to remove the two screws that hold the WIMS system to the cover. You can now lift the cover straight up and off of the machine. The cover sometimes gets hung up on the power button assembly. Be careful of that, and be careful not to snag the ink lines as you remove it.

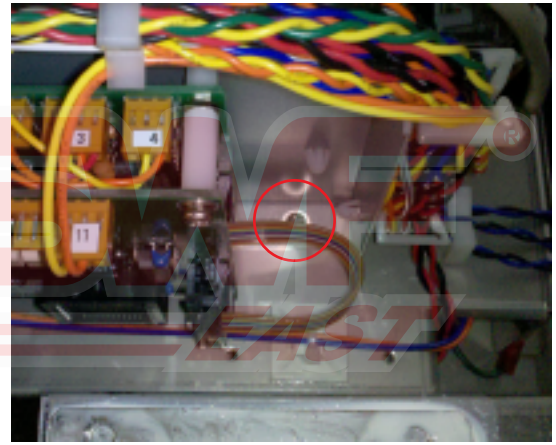
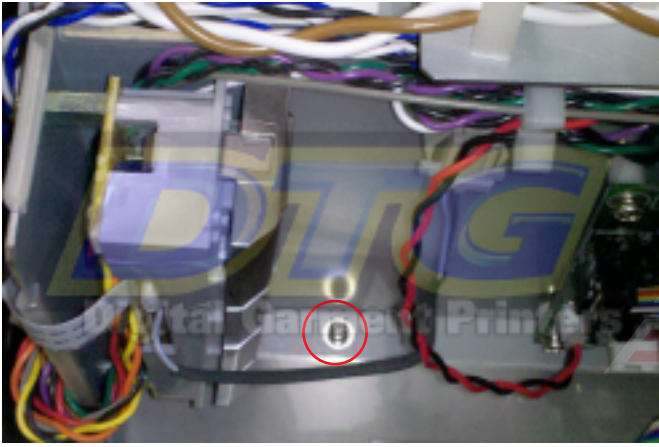


3) Unplug the USB cable and the power cable. Remove the screws circled in red to begin freeing the mainboard assembly. If you are replacing the mainboard, also remove the screw circled in yellow. The screw circled on the left of the above image is on the side of the mainboard assembly.

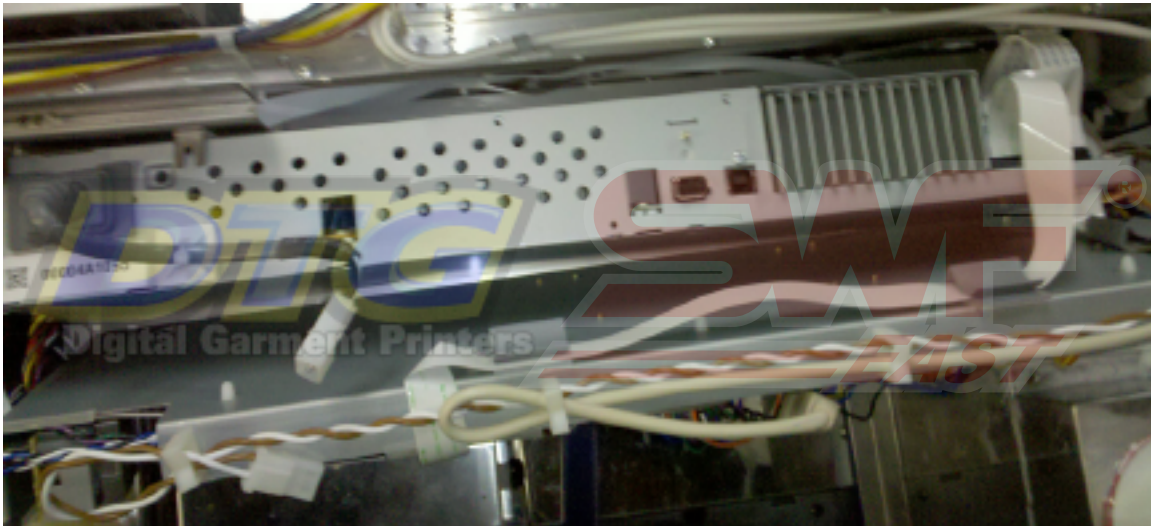


4) Free the two pieces of black tape and remove the screw circled in red from the control panel side of the mainboard assembly. Free the control panel wires from the grey plastic clip.

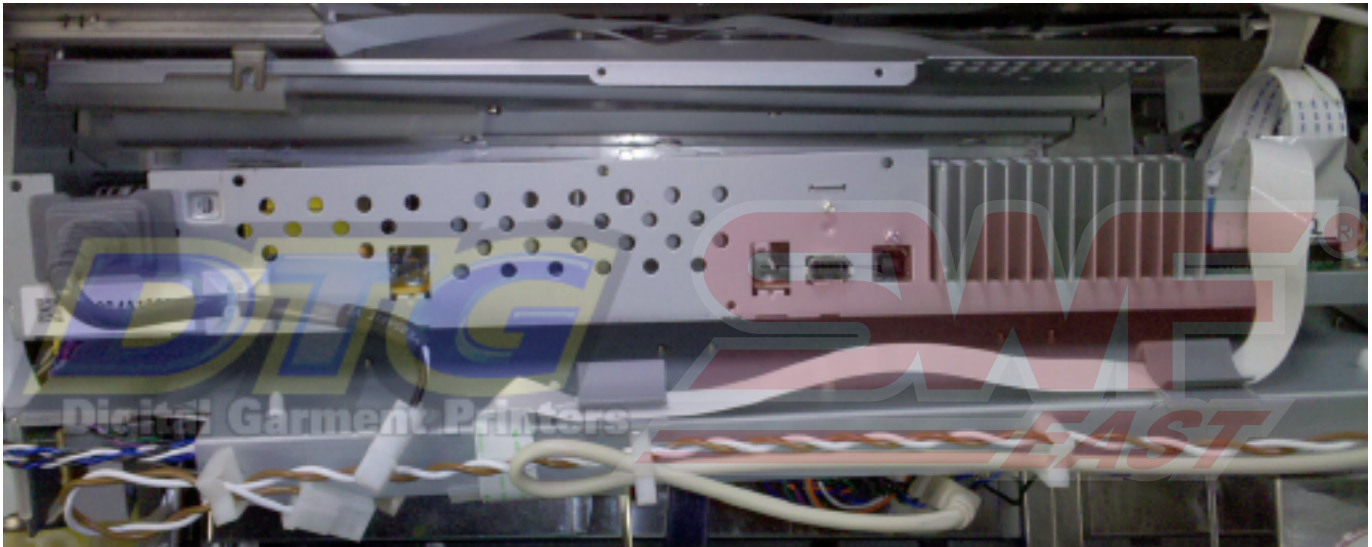
5) Unscrew the two screws holding the board frame assembly in order to give us space to work.



6) Lean the board frame assembly away from the mainboard assembly as pictured below.



7) Free the mainboard assembly as pictured below.



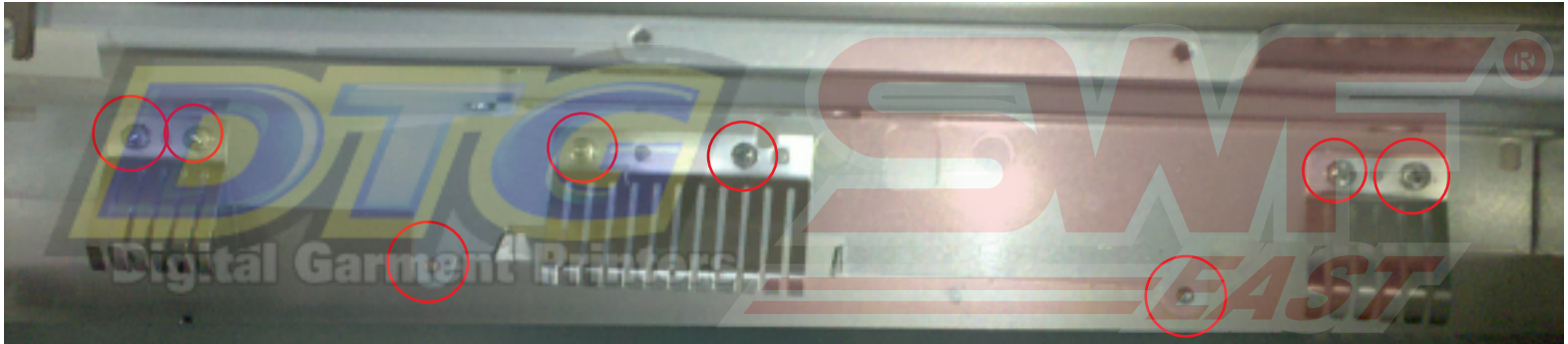
8) Before unplugging all of the ribbon cables, MAKE SURE that they are labelled. If not, use a Sharpie to label each cable. the numbers for the cable are as follows: Outside cables (furthest outside), from top to bottom:12,11,8,5. Inside cables (on the left in the above picture), from top to bottom: 10,9,14,13. Unplug these cables one at a time by pulling them straight out of their slots. Do not twist the cables or pull them out at an angle.

9) Next unplug the four wires from the mainboard, located beneath all of the ribbon cables. Each cable has a different connector. They are: Red, White, Black 4-pin, and Black 2-pin.

10) If you are replacing the mainboard, do so now. First grasp either side of the white connector that the grey power cable is plugged into. Lift on either side to release the connector. Carefully remove the grey cable, making sure not to bend the pins. Then unscrew the four screws holding the board to the assembly. Screw the new board into place (Don't forget the very small screw right above the USB connector that you removed earlier. Then insert the grey cable into the new board, and push on either side of the white connector to secure the cable.



11) To remove the head cable, next unscrew the six screws that hold the leaf springs in place underneath where the mainboard assembly sits. Also remove the two screws from underneath. Use your stubby or ratcheting screwdriver.



12) Next remove the two screws holding the back side of the mainboard assembly back to the frame. You will need a very short screwdriver for this. ratcheting screwdrivers work best. These two screws are impossible to access with a normal screwdriver.

