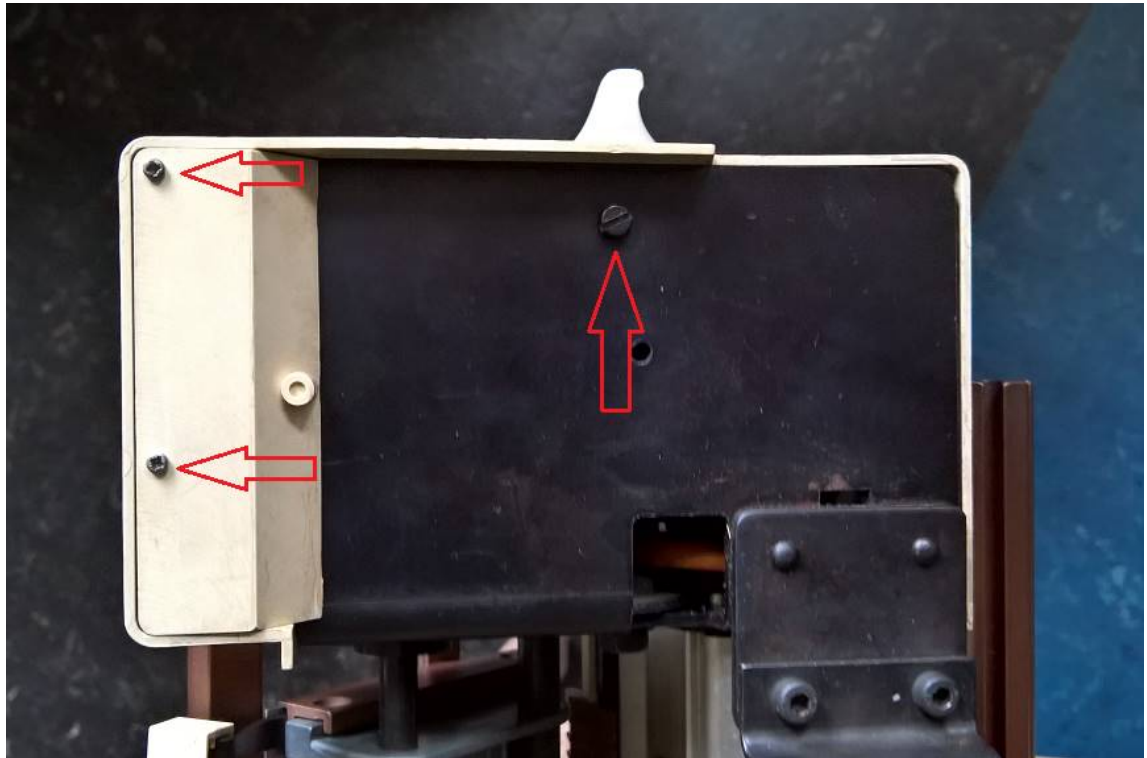


SuperbaKnit interface electronic hardware exchange for Memo II

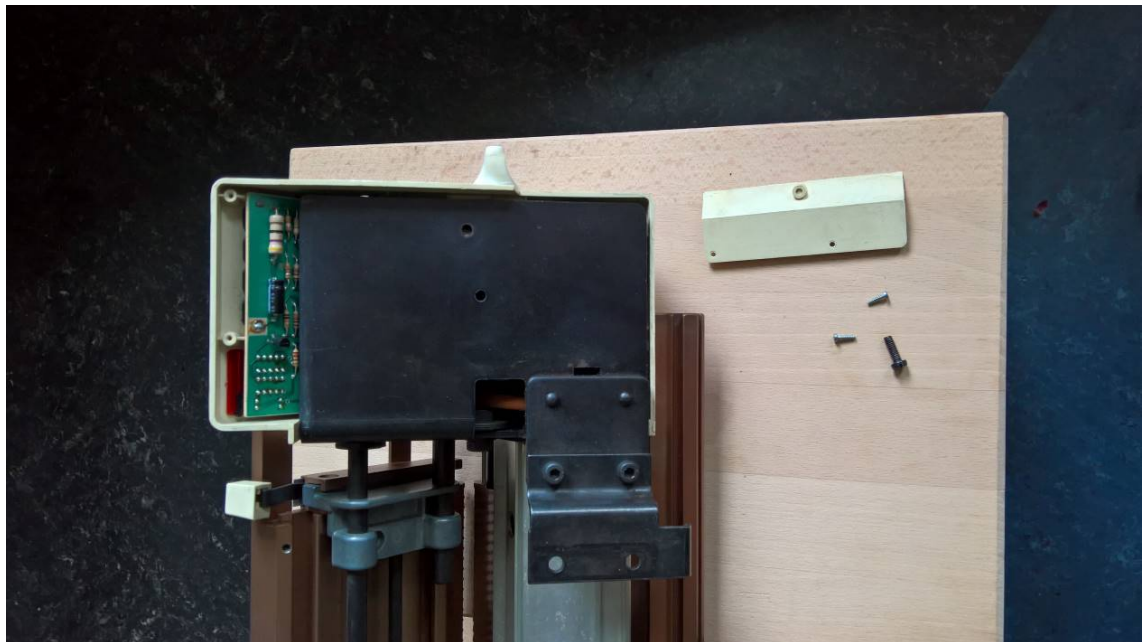
The picture below shows the Singer memo II knitting machine.



Place the bed on a table or workbench with the right end hanging free to give access to the bottom.



Remove the two screws that hold the small plastic lower front cover piece at the left in the picture, and remove this cover piece and remove the screw that secures the plastic cover.



Then slide the cover to the right ...

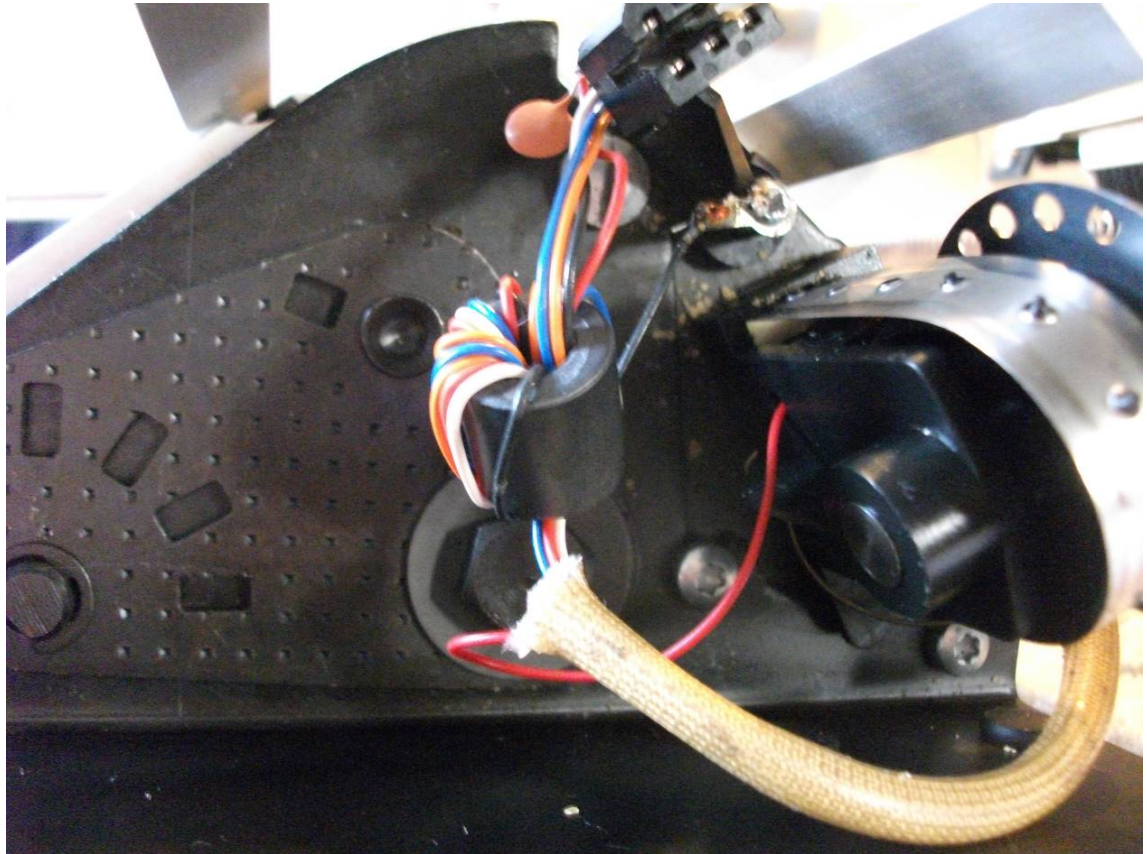


and remove it completely.

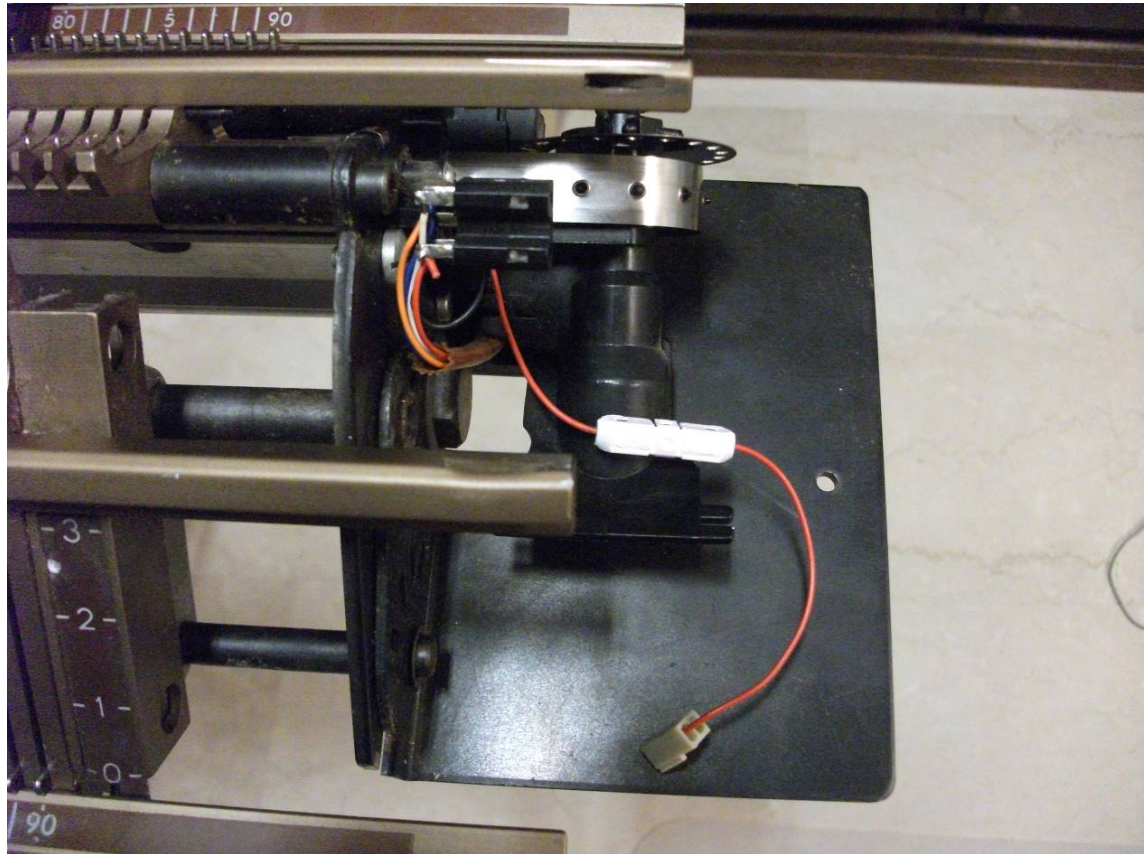


The electronics is removed together with the cover. What is left is a black connector where the new pc board will be inserted later.

Now you have to cut the red wire that comes from somewhere under the metal belt, and runs either to the black connector, or disappears in the cable sleeve with the other 4 visible wires.



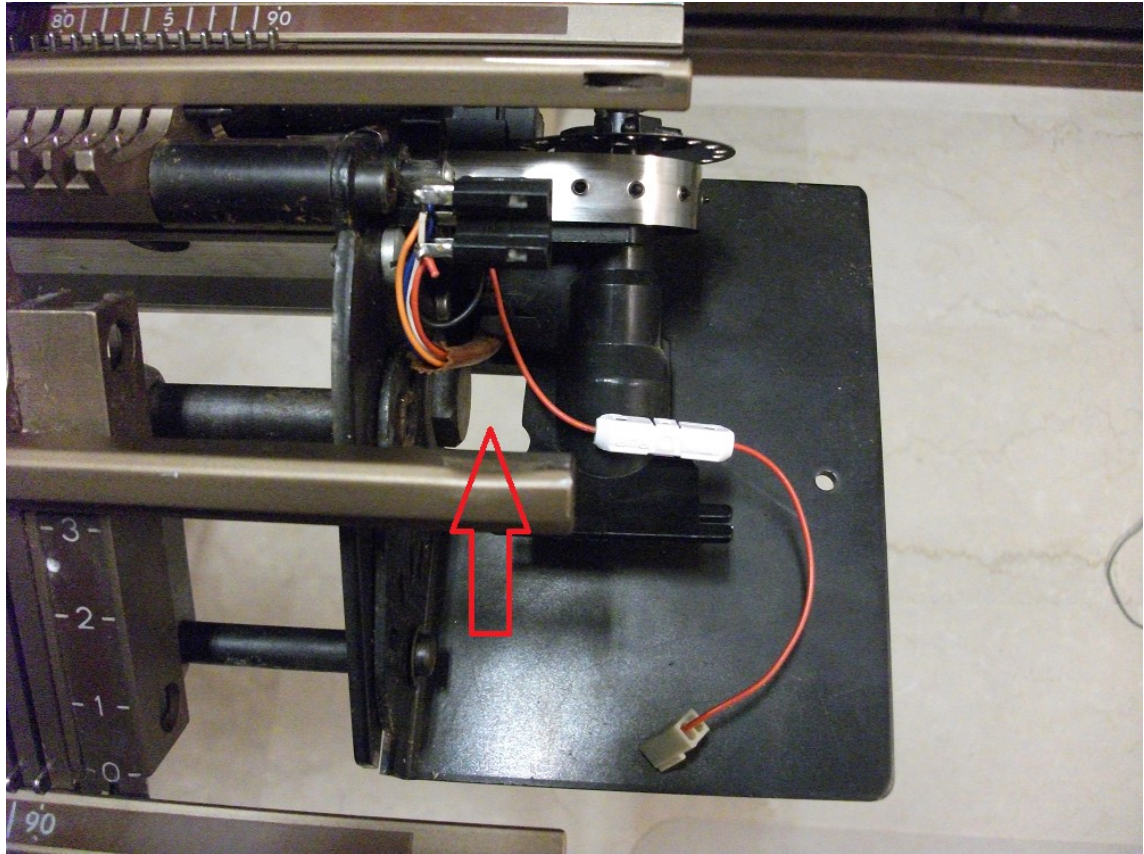
Make sure you do not cut a second red wire that runs from the connector into the cable sleeve. If the red wire goes to the connector, cut the red wire close to the connector. If the red wire goes into the cable sleeve, cut the red wire where it enters the cable sleeve. This gives the maximum length for this piece of wiring



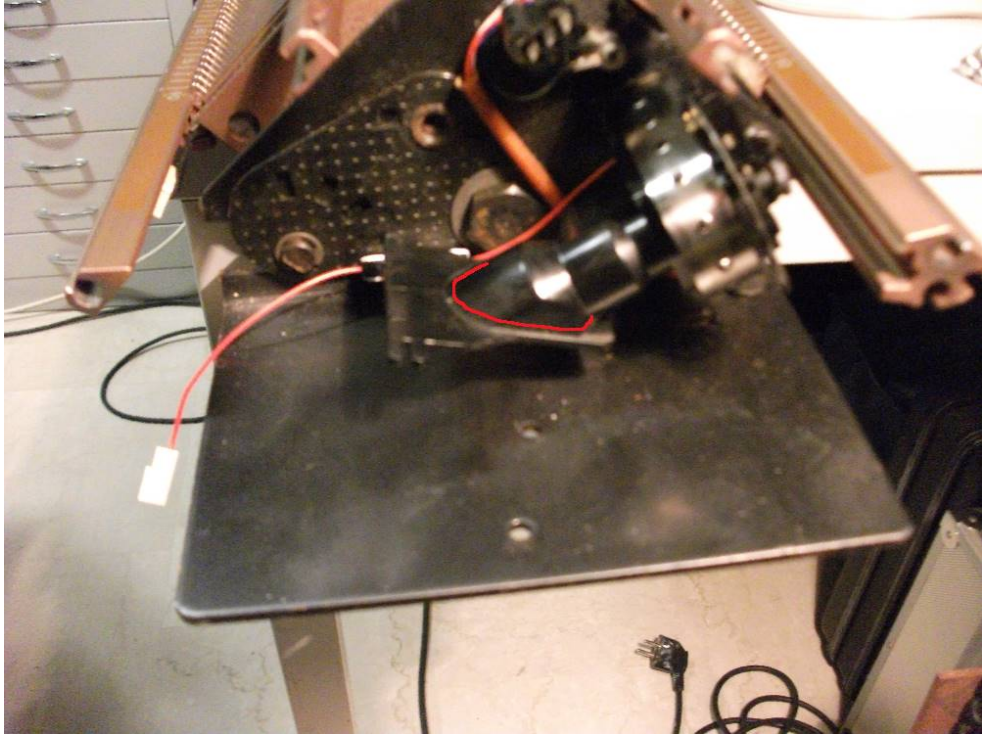
Enter the loose end of red wire in the clamp connector. No need to remove insulation. Put the red wire right in the middle and then snap the clamp together. It usually needs no tools, just your fingers, to close the clamp.

The result should look as above.

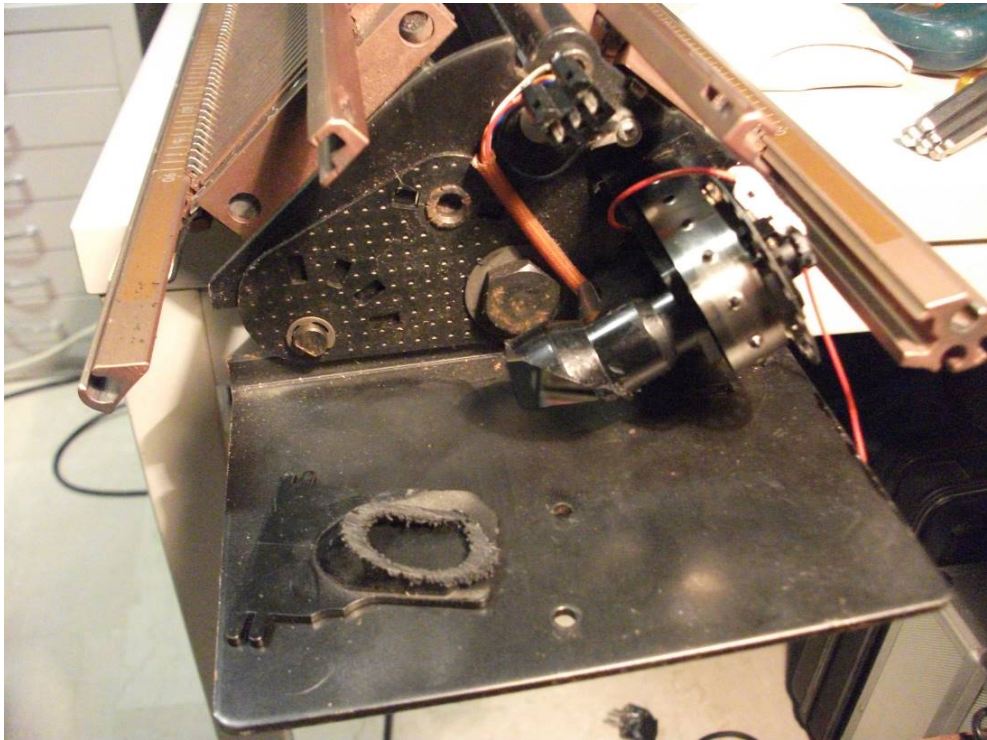
The cable with the right angled DIN connector can be inserted from the bottom through a hole.



On some memo II machines a piece of plastic blocks the entry. If so, cut some of the plastic piece away with a small saw.



Just before using the saw.

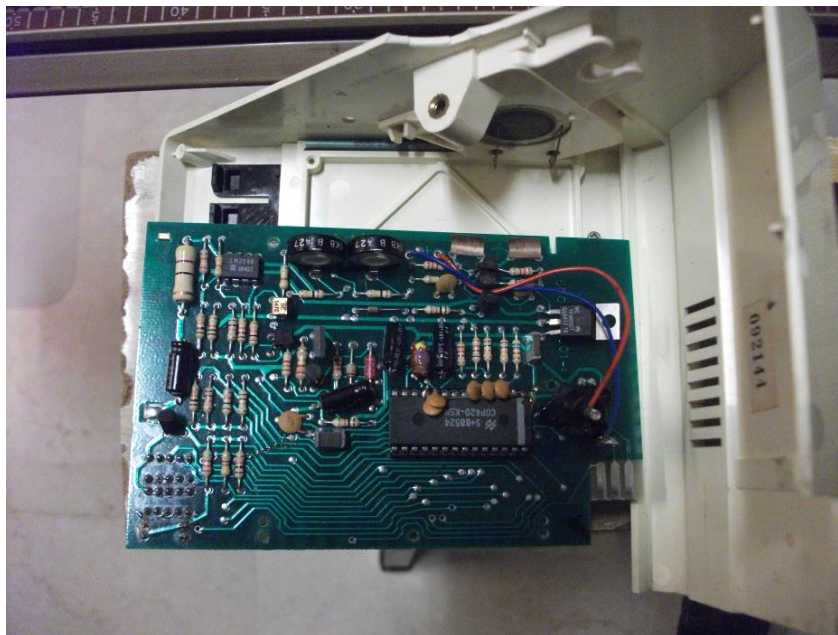


After the sawing.

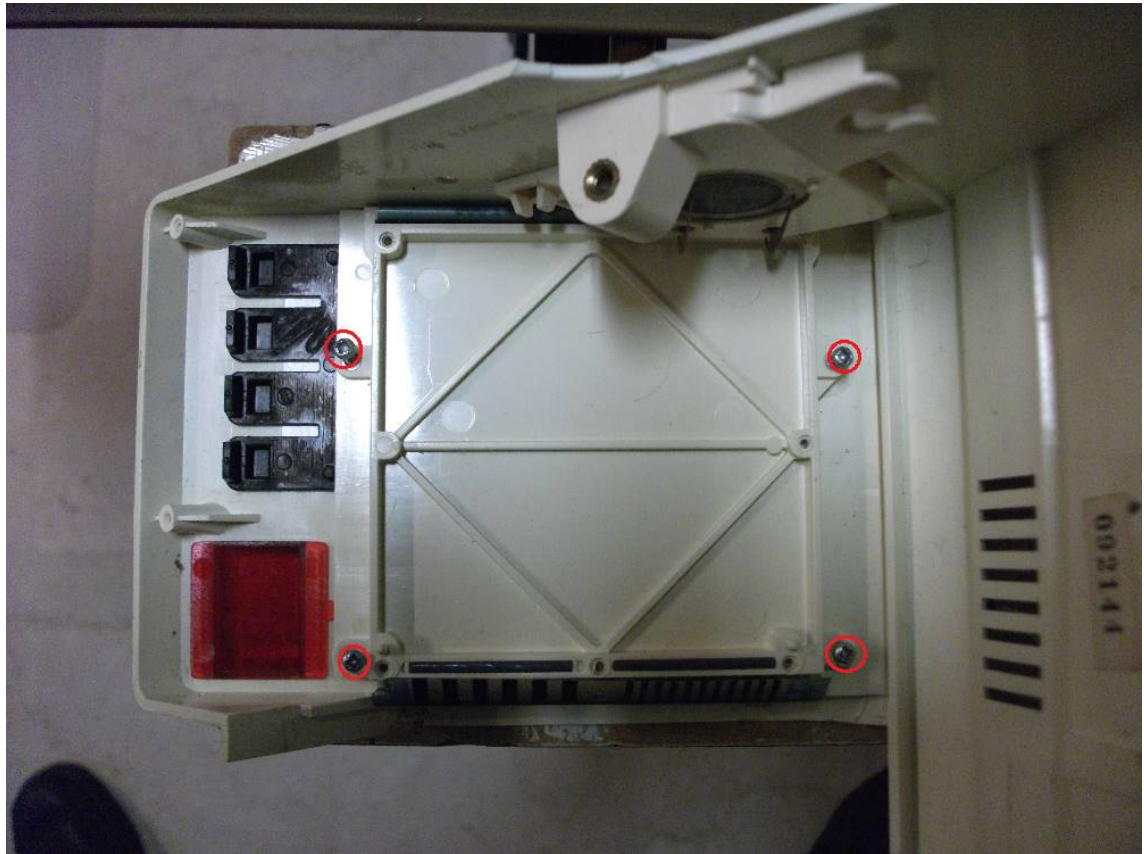
Prepare the cover + electronics you took off earlier.



Remove the 5 screws that hold the pc board. Also slide out the power entry jacket. The pc board comes loose itself from the buzzer contacts.



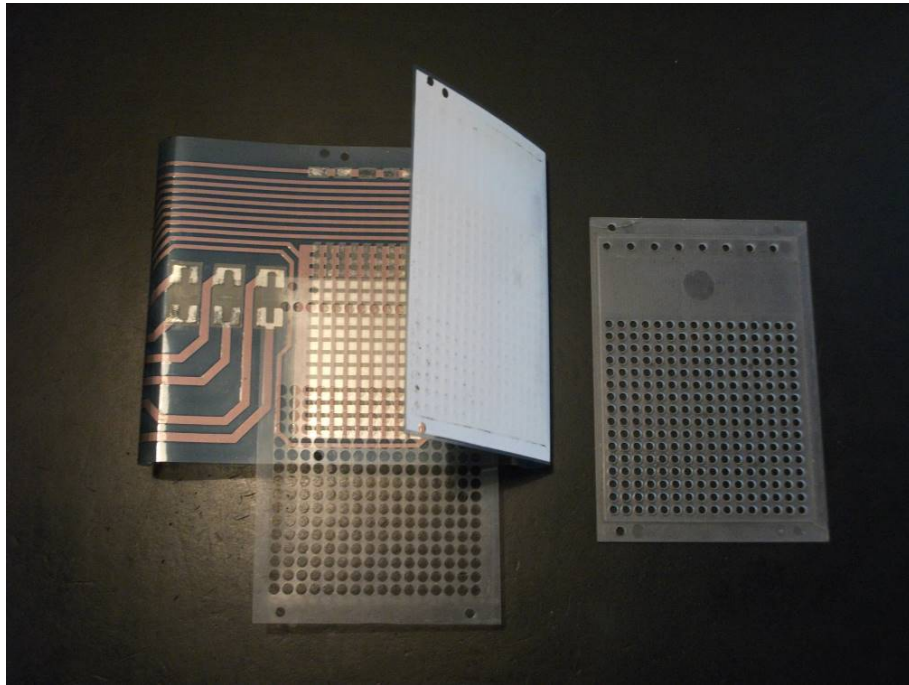
Remove the pc board. The plate with the matrix of stitch contacts becomes visible.



Remove the 4 screws holding this matrix plate. The color of the plate can be black also. Remove the plate and the other plastic and mylar materials. Leave the black slider switches in place.

You can cover the big square hole, push buttons and red bezel with a piece of cardboard, plastic plate or so. Or better, disassemble the matrix pieces as in pictures below, and use the bare plastic plate to cover the square hole and fix it with the 4 original screws.

Remove the 2 contact strips of the buzzer by just pulling them out with force from the hole in the plastic side wall. The buzzer plate will come loose then by itself.



Removed material of matrix switches

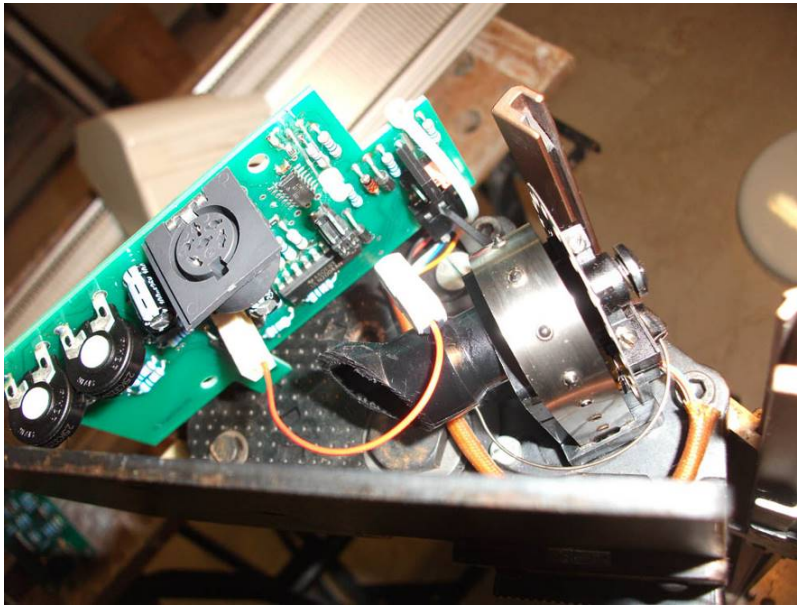
After removal of matrix switch parts, you can put back the plastic plate



Above is how the right cover piece of the bed looks after re-assembly.

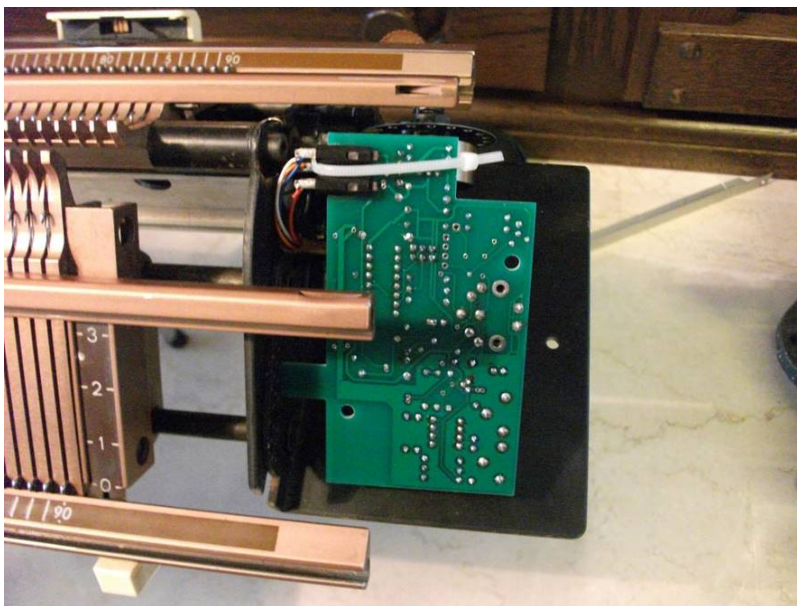
If you have a black plate, you can insert a piece of white paper thru the slot where normally the pattern sheet would go.

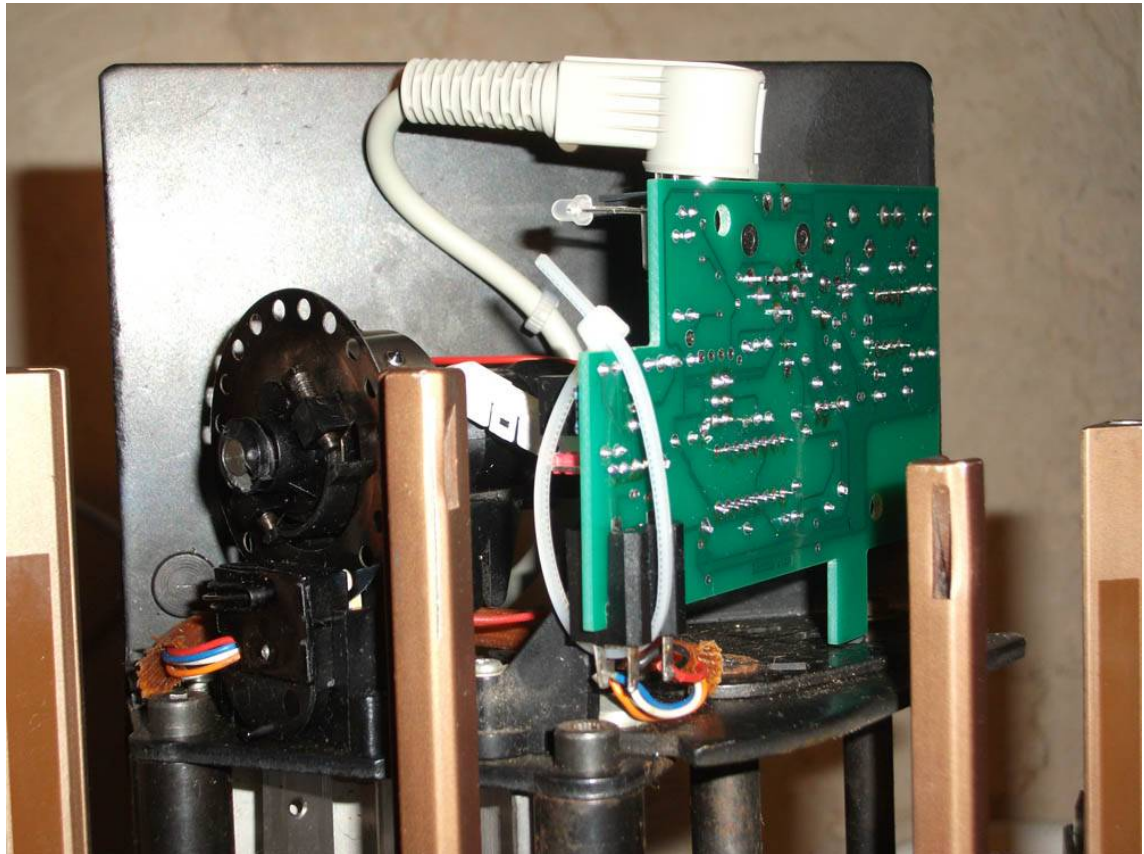
Placement of the new pc board



Attach the connector at the end of the red wire to the header in the middle of the new pc board, and insert the pc board into the black connector. Center the contacts well and make sure the board is inserted to its maximum position.

It should look now as above. Secure the pc board with a cable binder around the top of the pc board and connector.





Insert the cable with the right angle DIN connector from below; plug it into the pc board jack and add strain relief with a cable binder if the hole in the bottom is present as in the picture. If not, find another way of providing stain relief.

If there is no hole at all in the bottom plate to insert the cable/connector you will have to make a U-shaped cut-out (approx. 5 mm wide) at the rear or right side edge of the plastic end cover.

Now you have to adjust the 2 potentiometers that control the optical sensor sensitivity. For instructions, please consult the “SuperbaKnit Interface A Adjustments” document.

When done you can place back the plastic end cover of the bed just in the reversed way as you removed the cover, and secure the cover with the screw from the bottom side.

Also attach the lower front cover piece with the 2 original screws