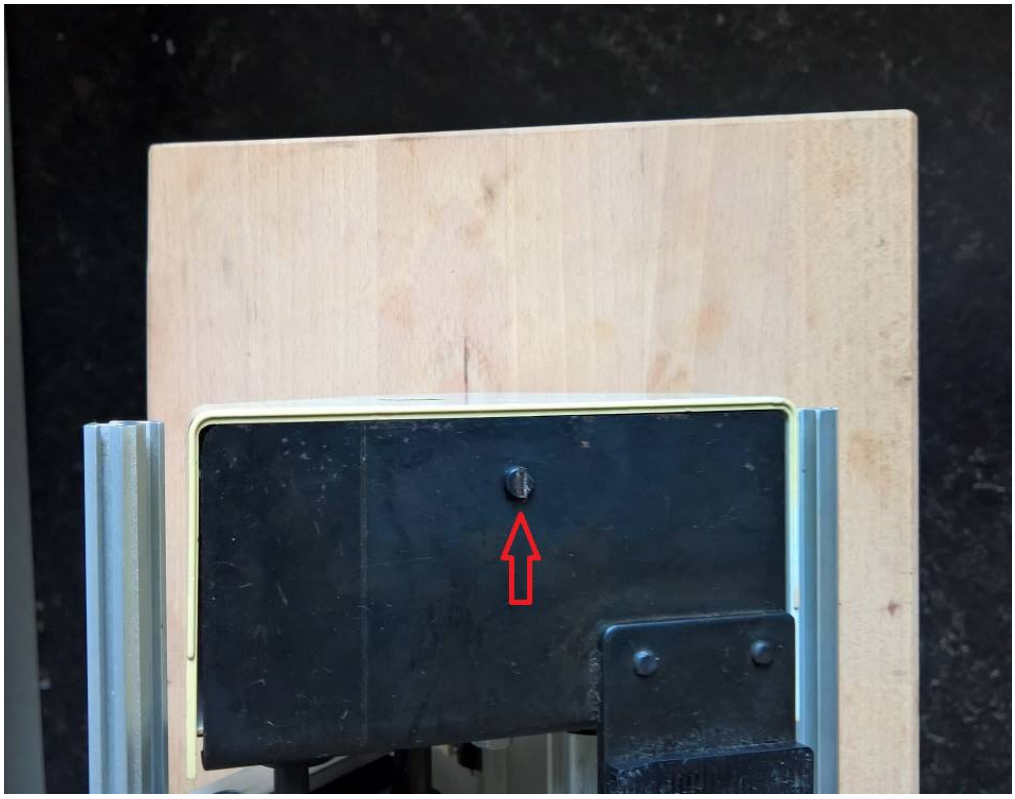
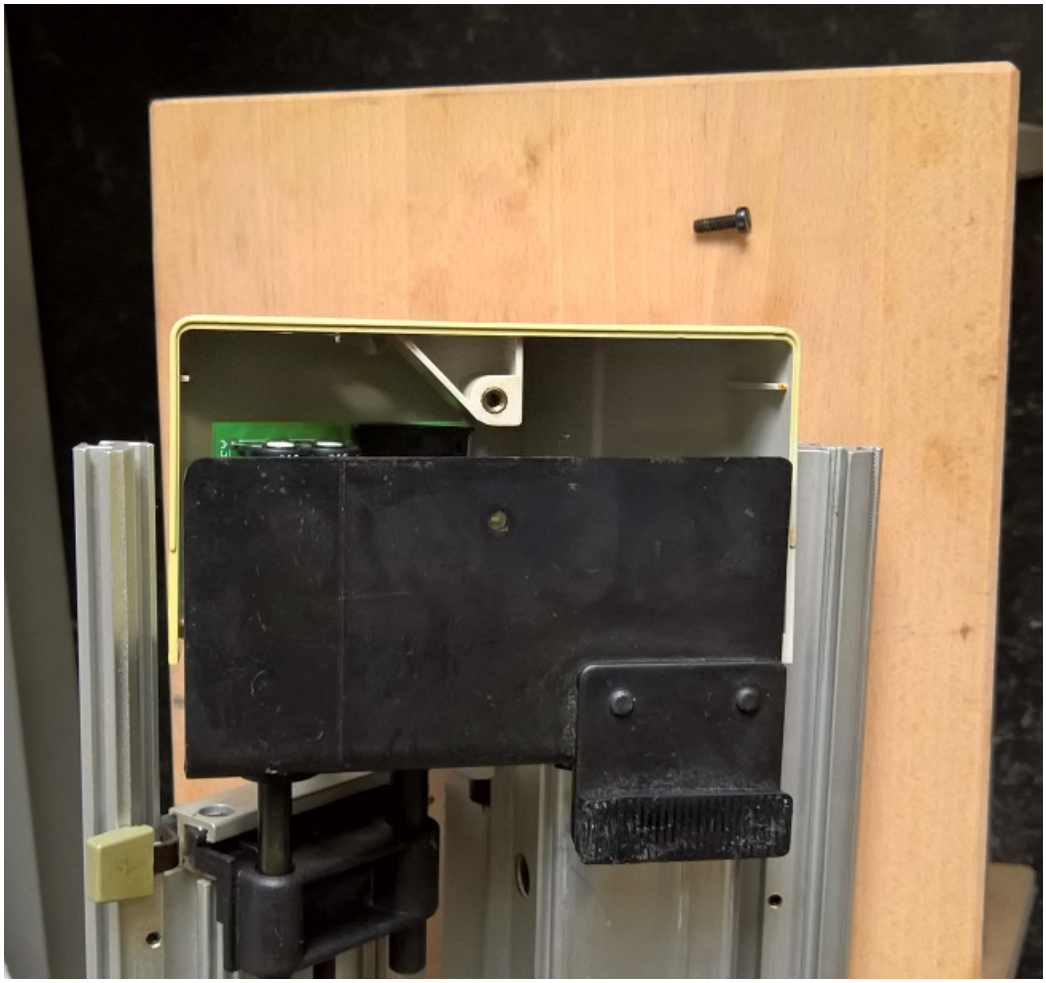
SuperbaKnit interface electronic hardware exchange for MT624 & 9000

The picture below shows the Singer MT624 knitting machine.

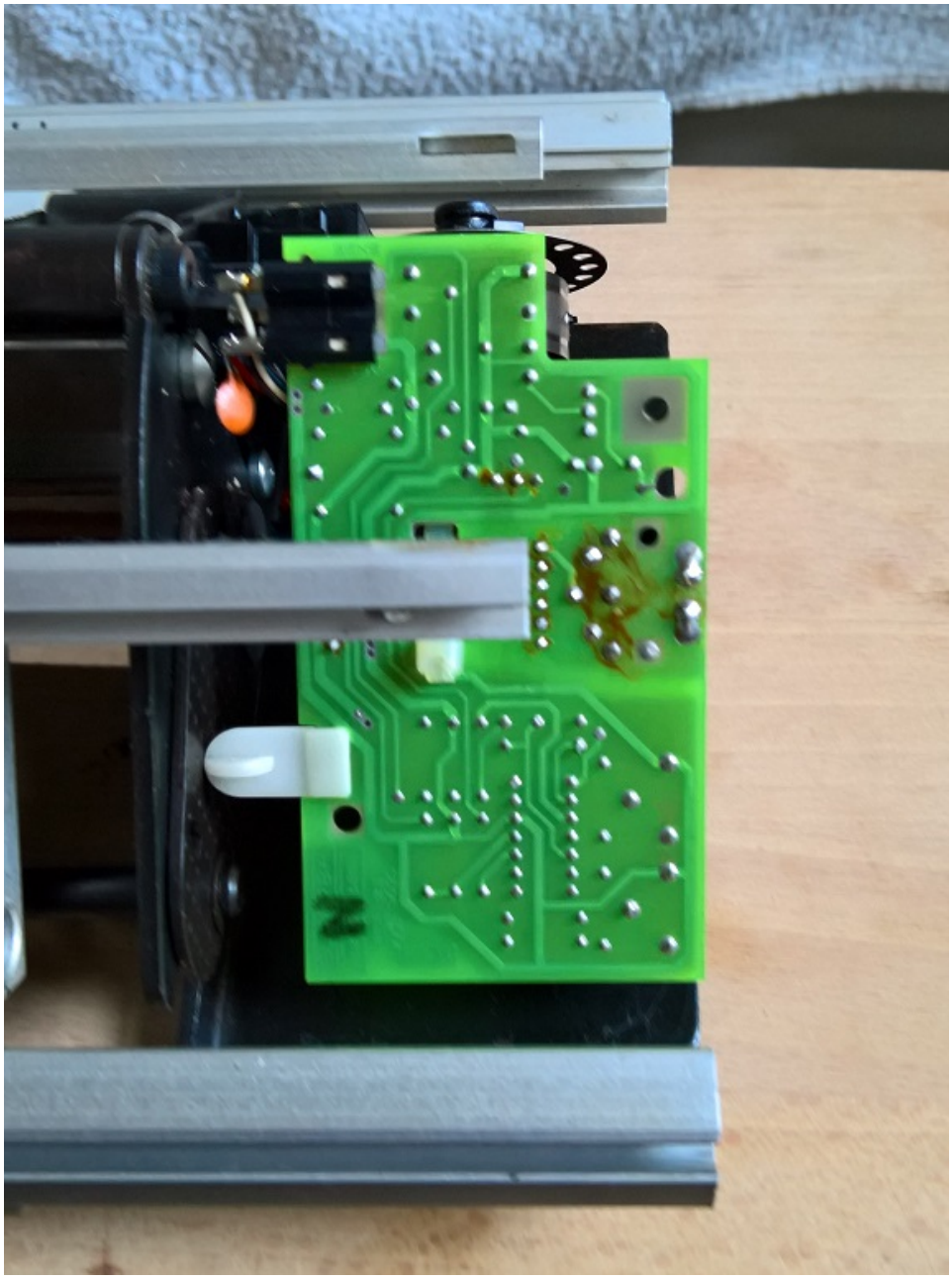
Place the bed on a table or workbench with the right end hanging free to give access to the bottom.



Remove the screw that holds the small plastic cover piece

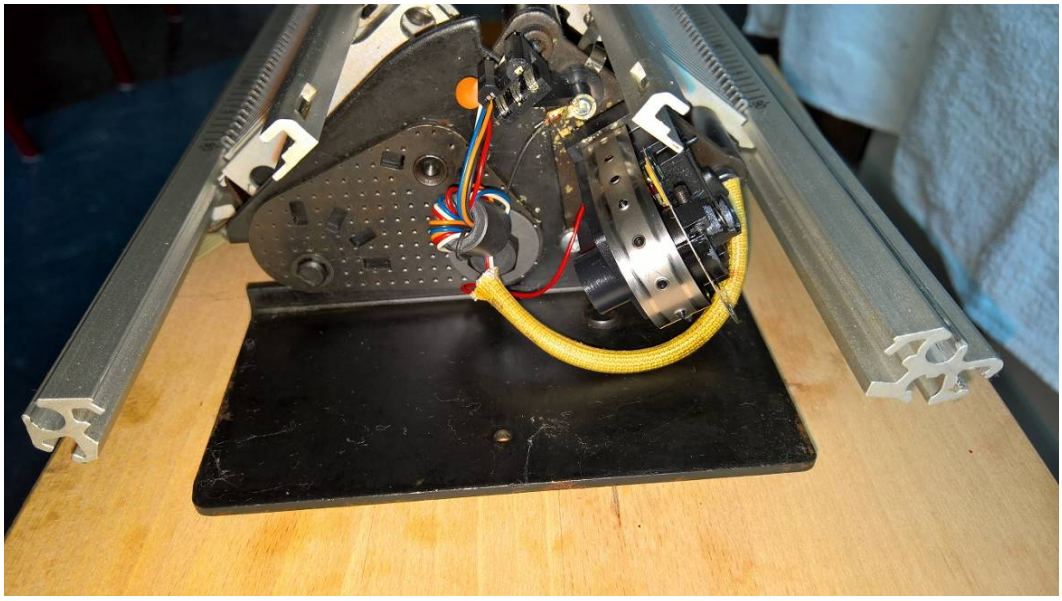


Slide the cover to the right and remove it completely.



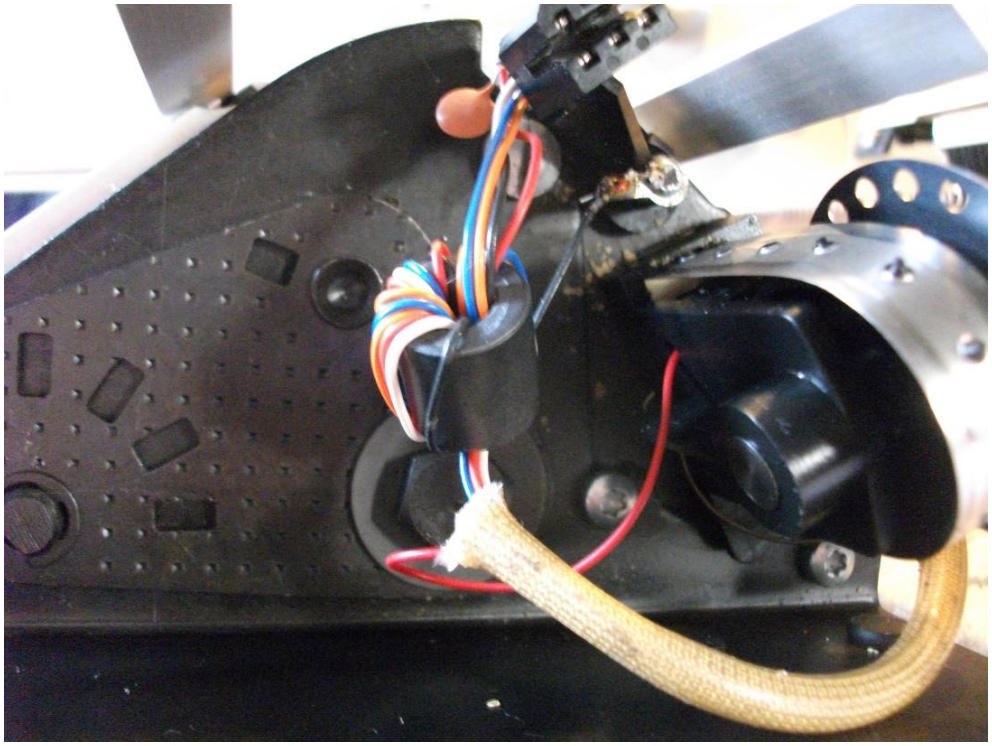
After removal of the plastic cover, your machine will look similar to the picture above.

Remove the printed circuit board from the connector.

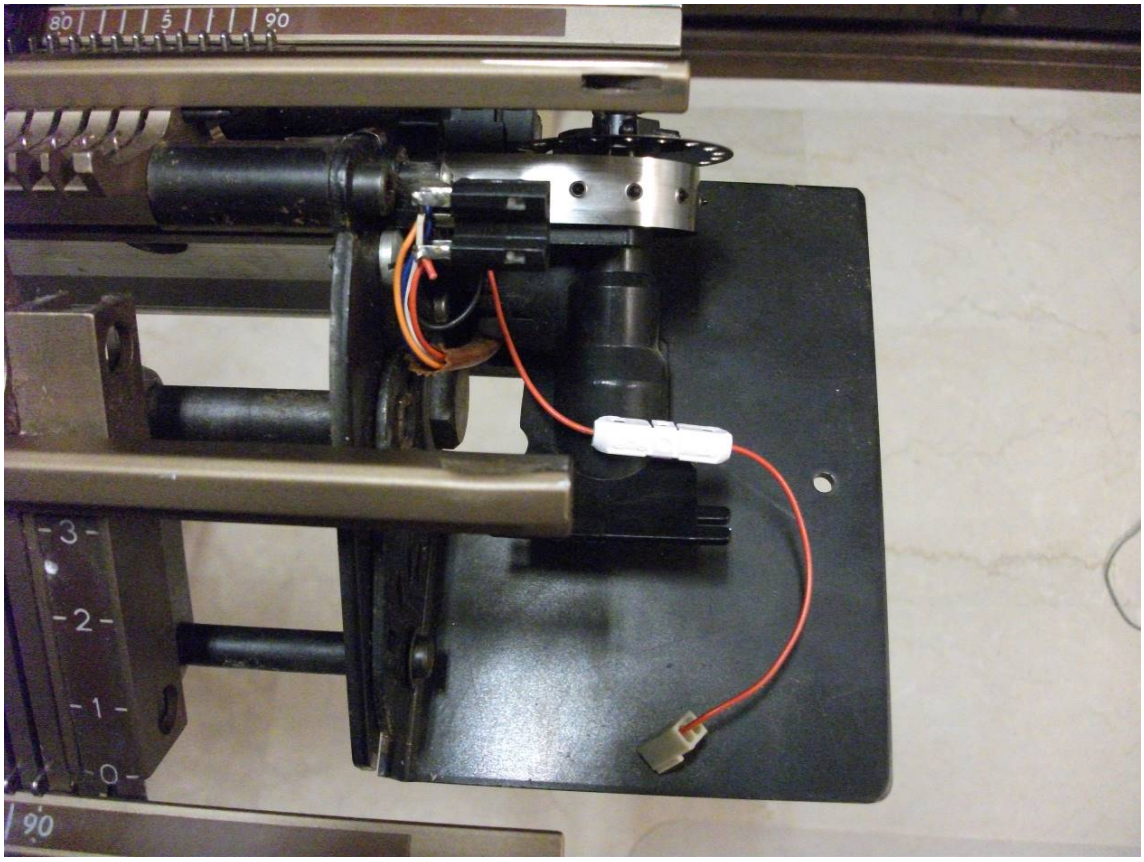


The MT 624 after removal of the PCB.

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 whit the other 4 visible wires.

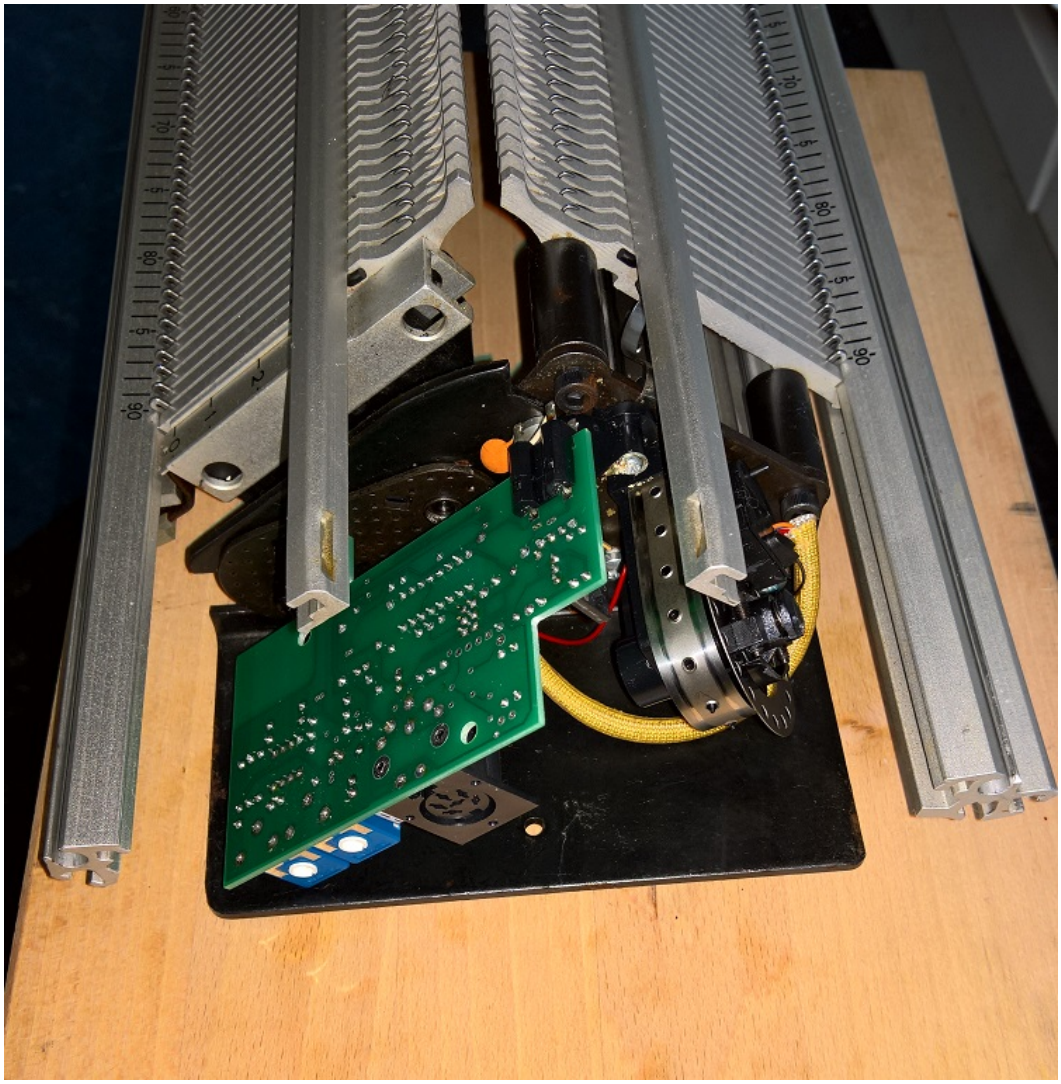


Make sure you do not cut a second red wire that runs from the connector into the cable sleeve. If the red wire goes to the connector, cut the red wire close to the connector. If the red wire goes into the cable sleeve, cut the red wire where the red wire enters the cable sleeve. This gives the maximum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



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

The result should look as above.



Attach the connector at the end on 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.

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

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.