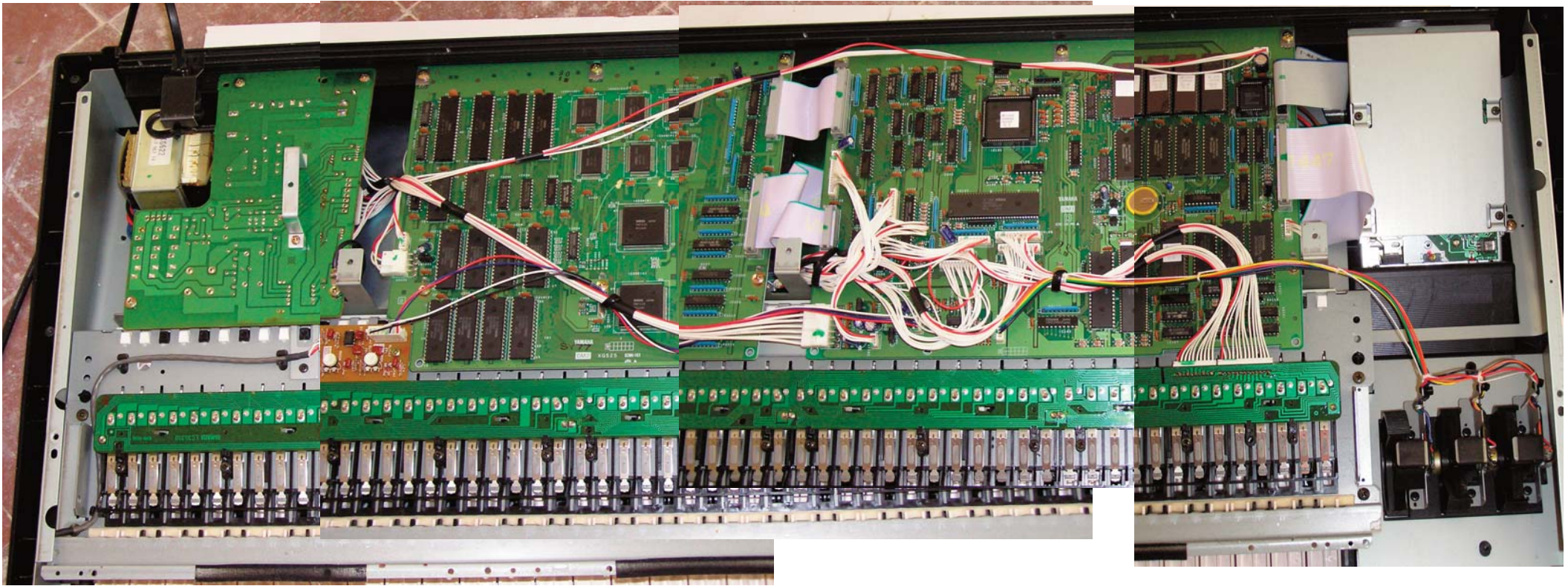


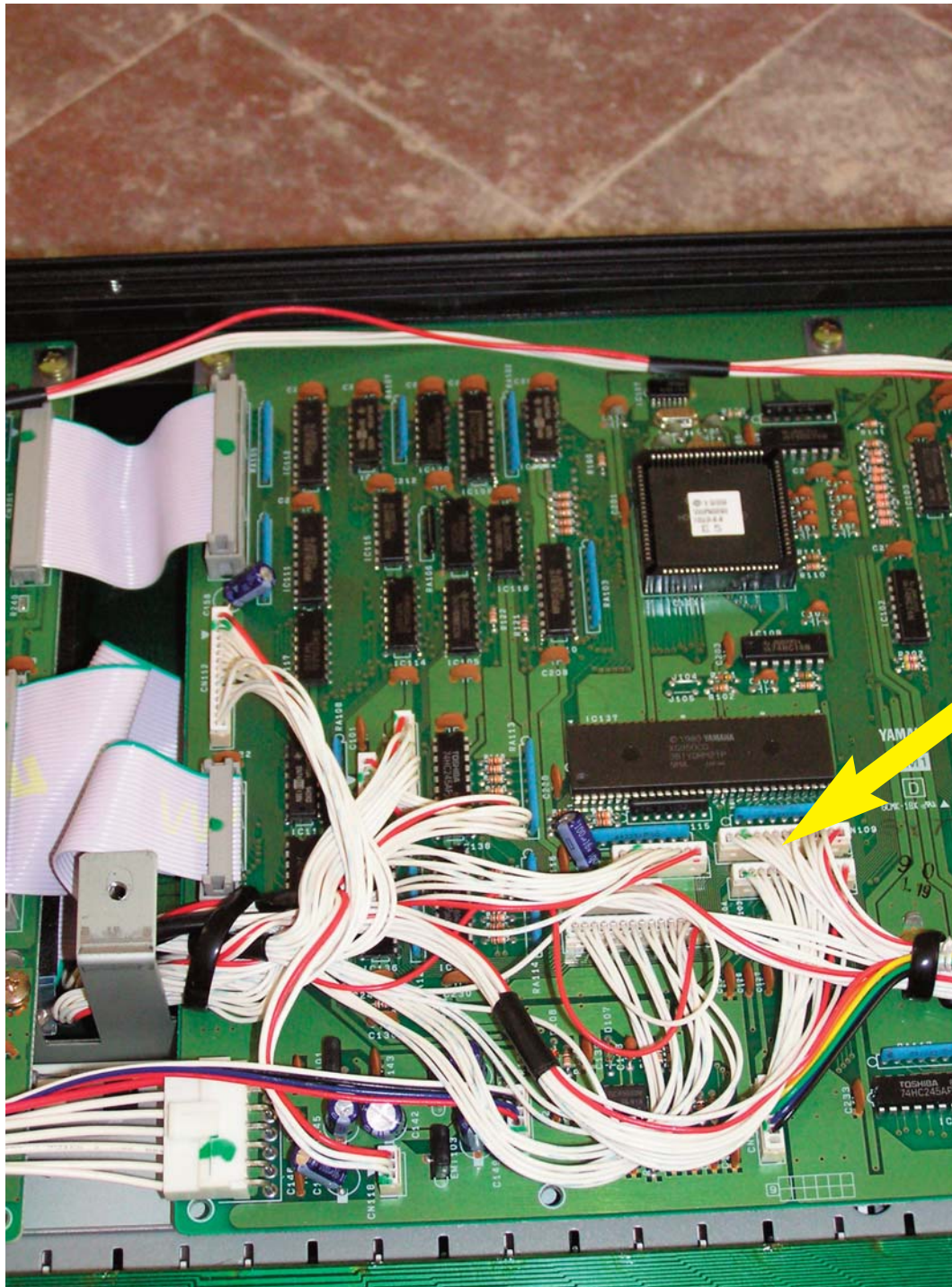


Disassembly to replace LCD

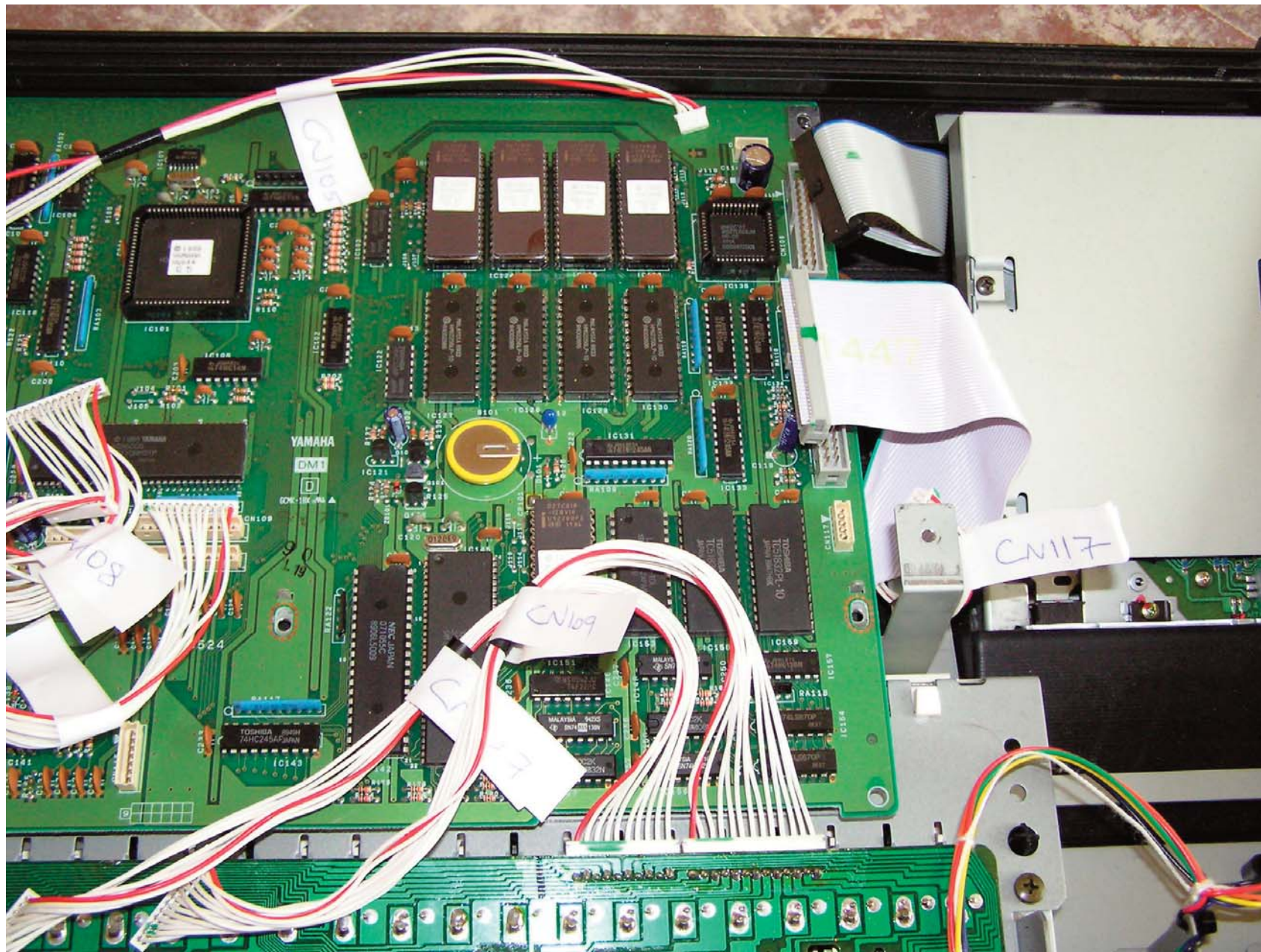
by Mark J.Cairns © 2008



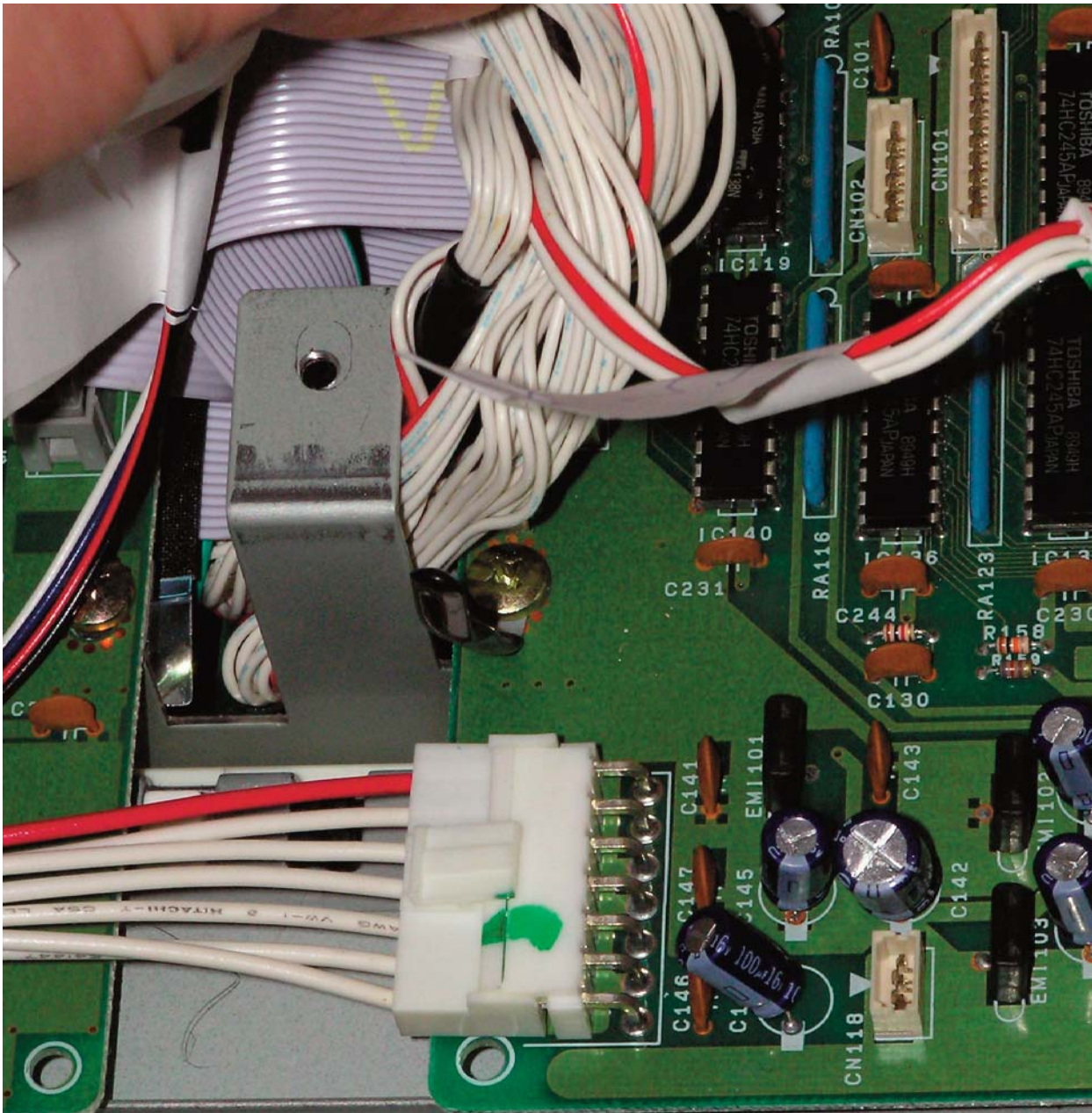
Remove all the screws on the back and the two side strips. Now get a sheet of labels and label ALL wiring... and where it plugs into. This is how it should look when you put it back together again!



You'll thank yourself at the end when you've labelled all this jumble properly. Each plug has a number next to it on the board. Just note it down



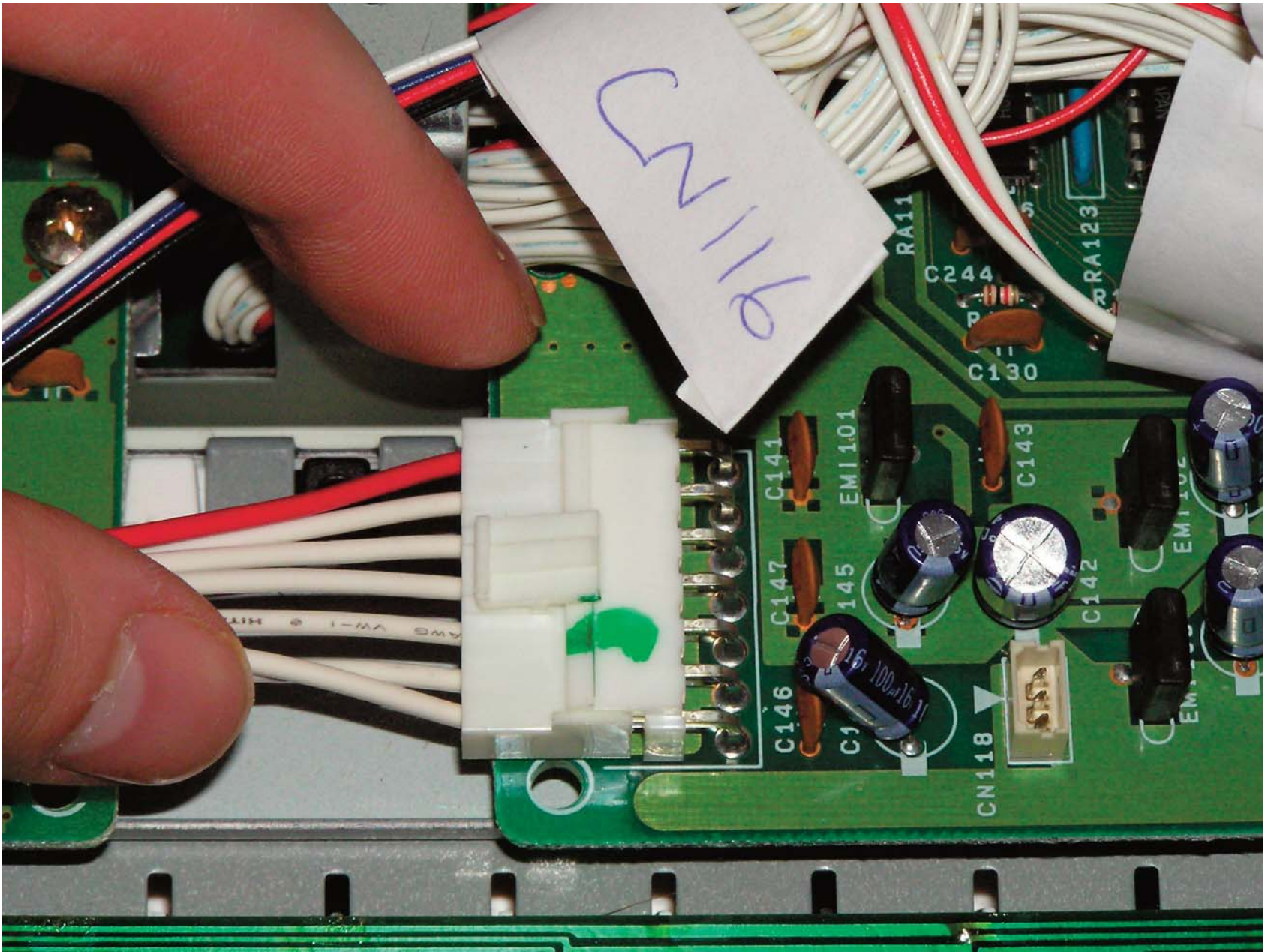
So your labelling will look like this.
Then disconnect the plugs one at a time.



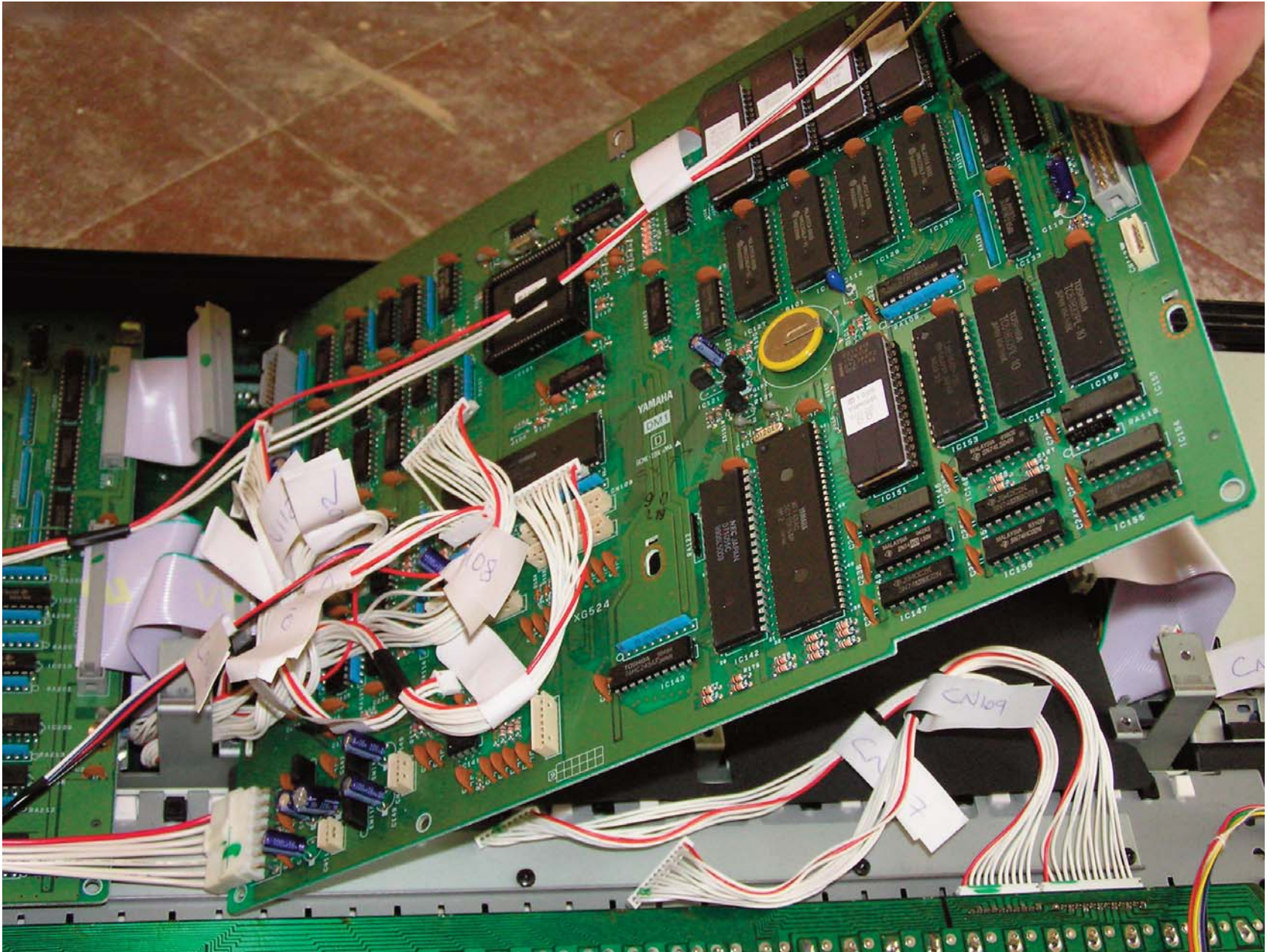
This is a close-up of the jumble coming up from beneath the motherboard.



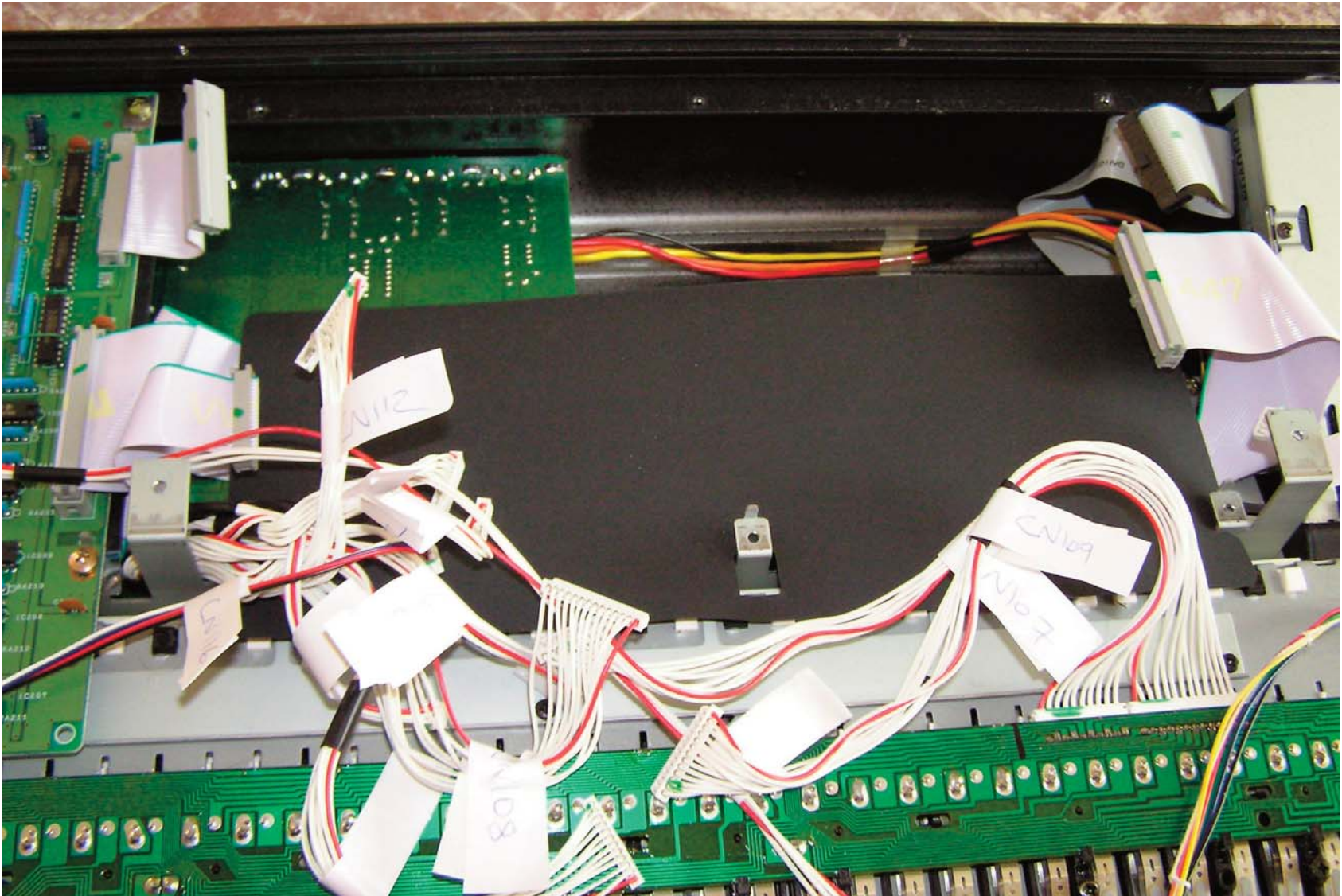
Place all the screws and bits out to the side and keep them in their groups



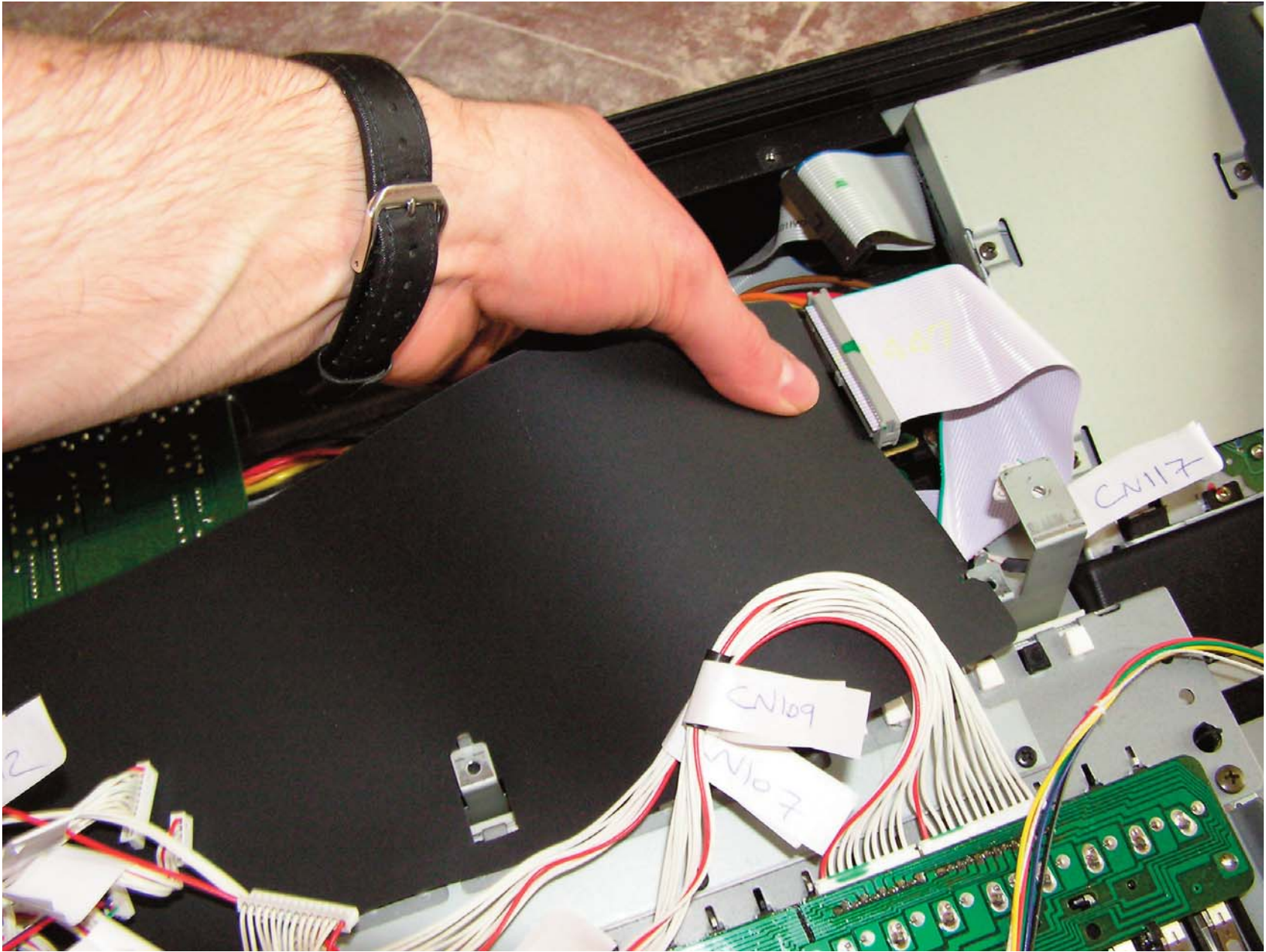
Now disconnect this lasts little bitch to the left of the jumble. It's really really tight so be careful of those pins.



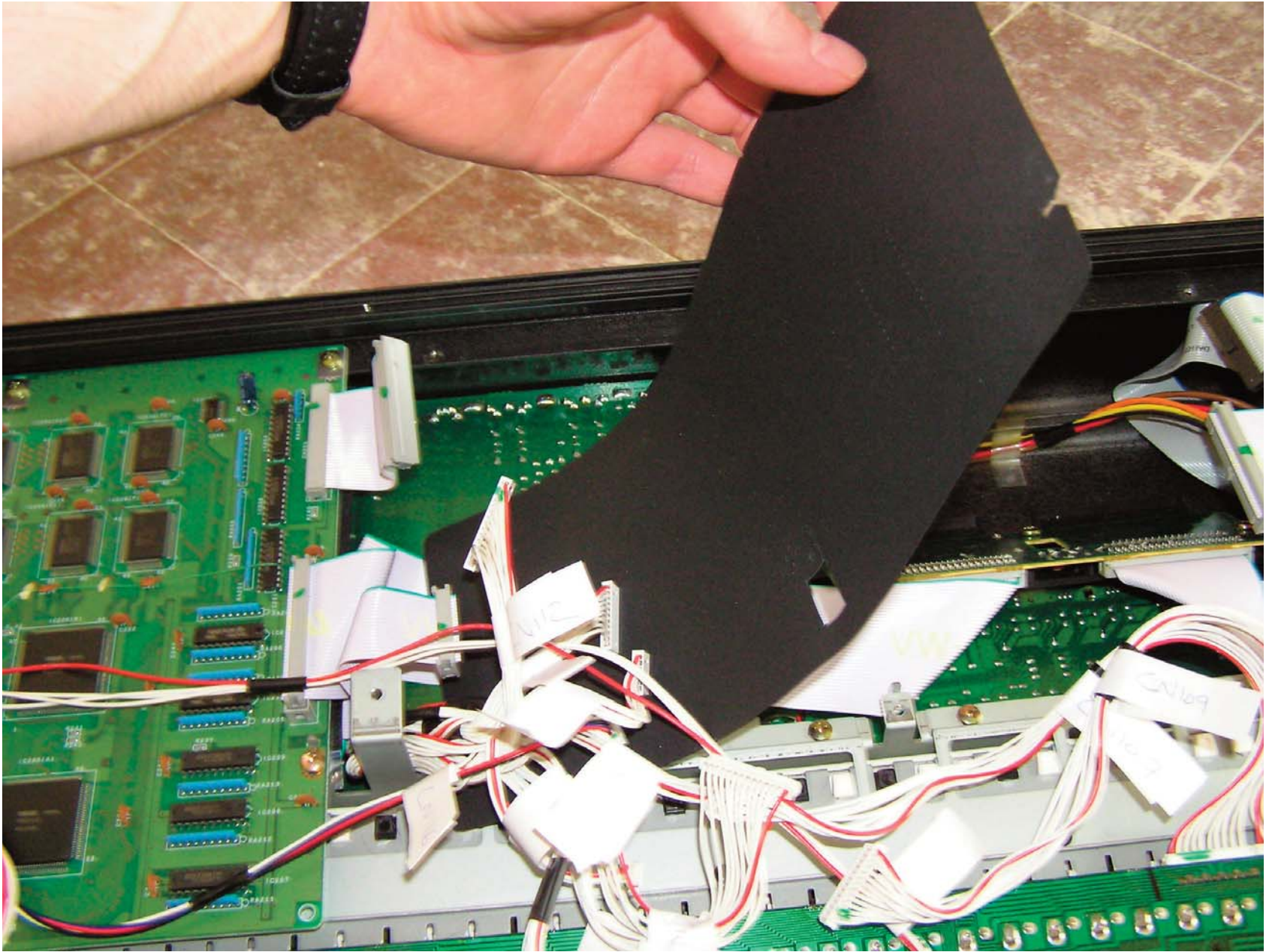
Now comes the first scary bit. Unscrew the main motherboard and lift it away.



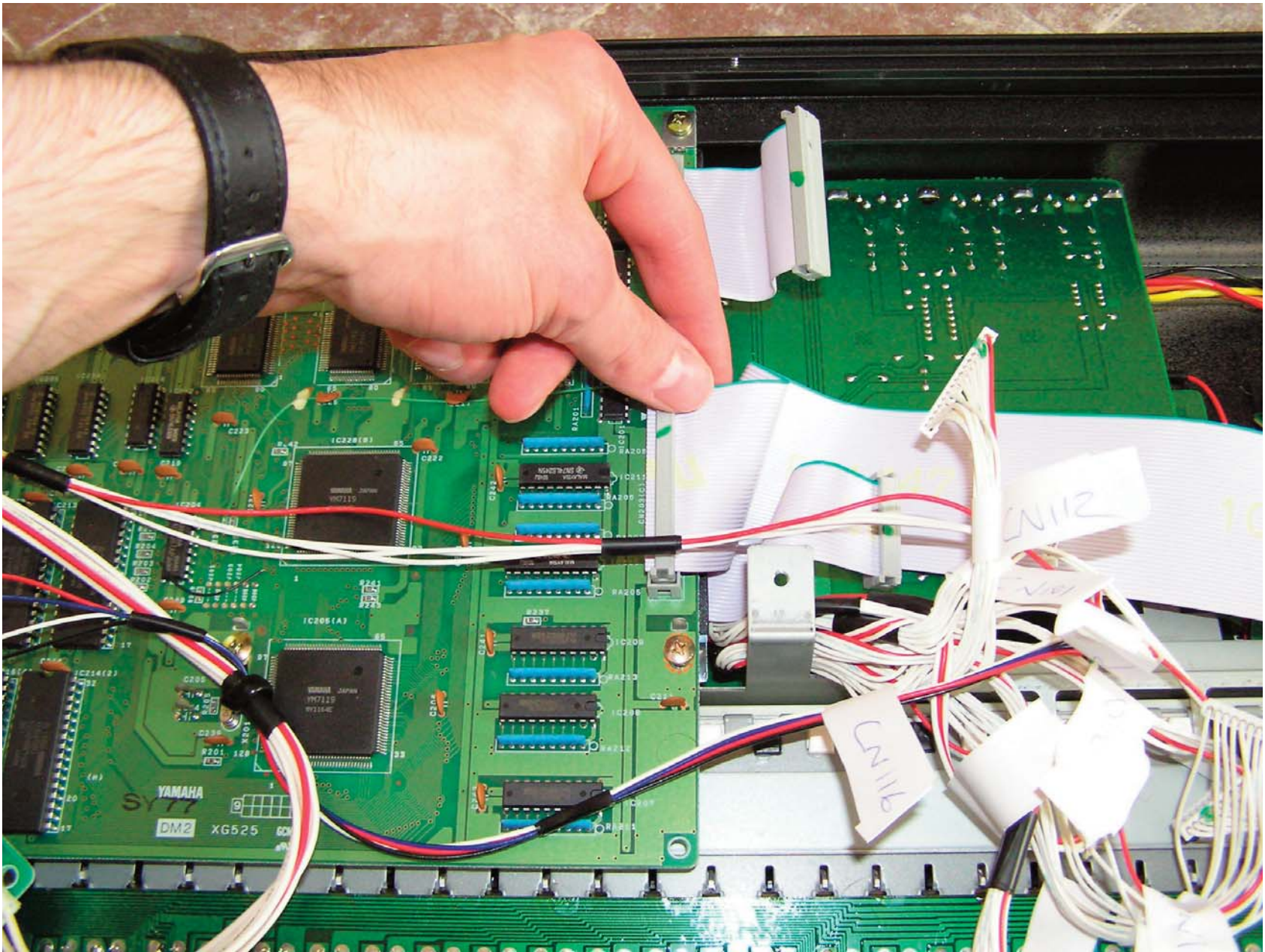
You'll find this black card-like material (heat shield) beneath the main motherboard.



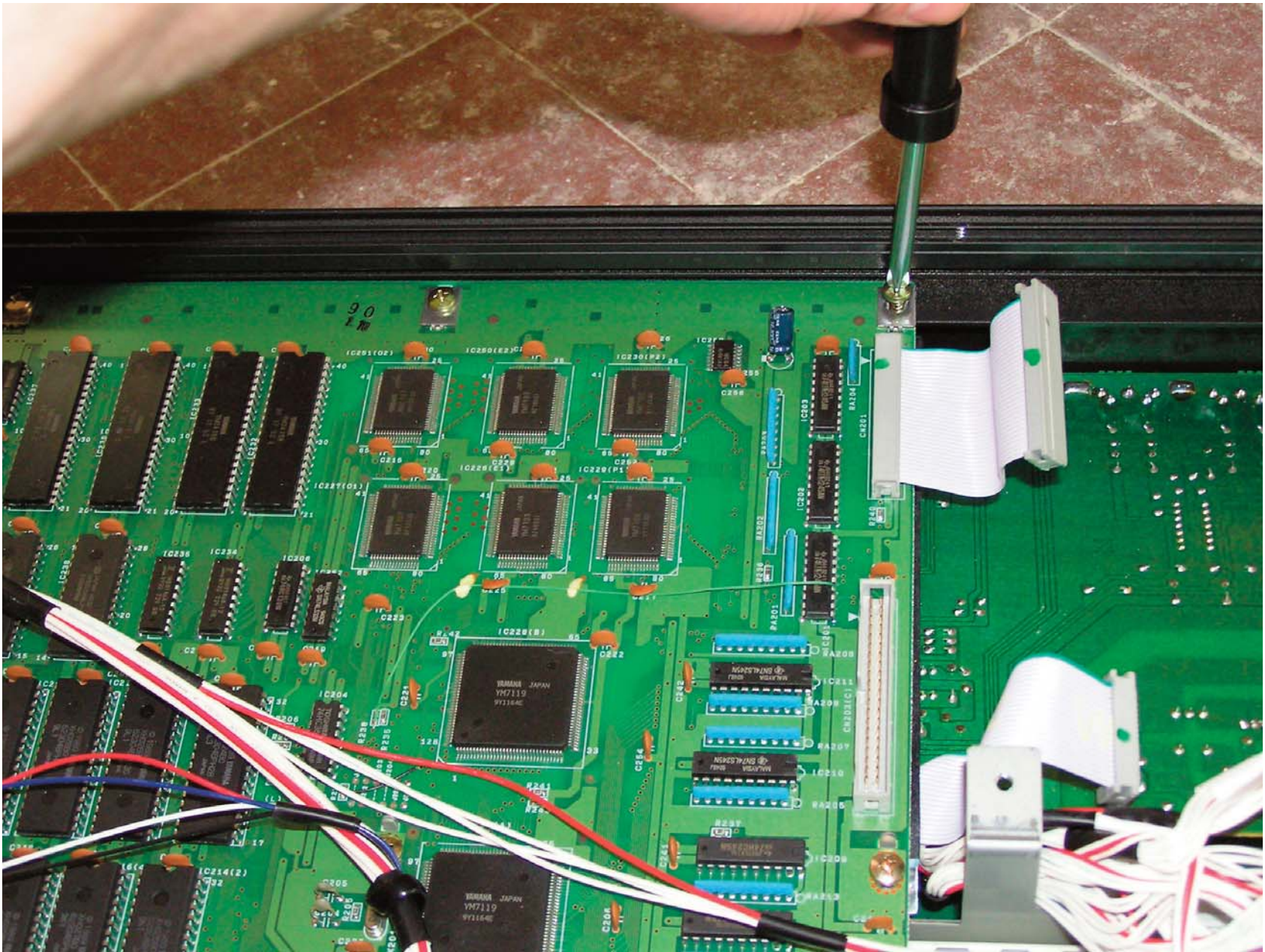
Peel that out of there.



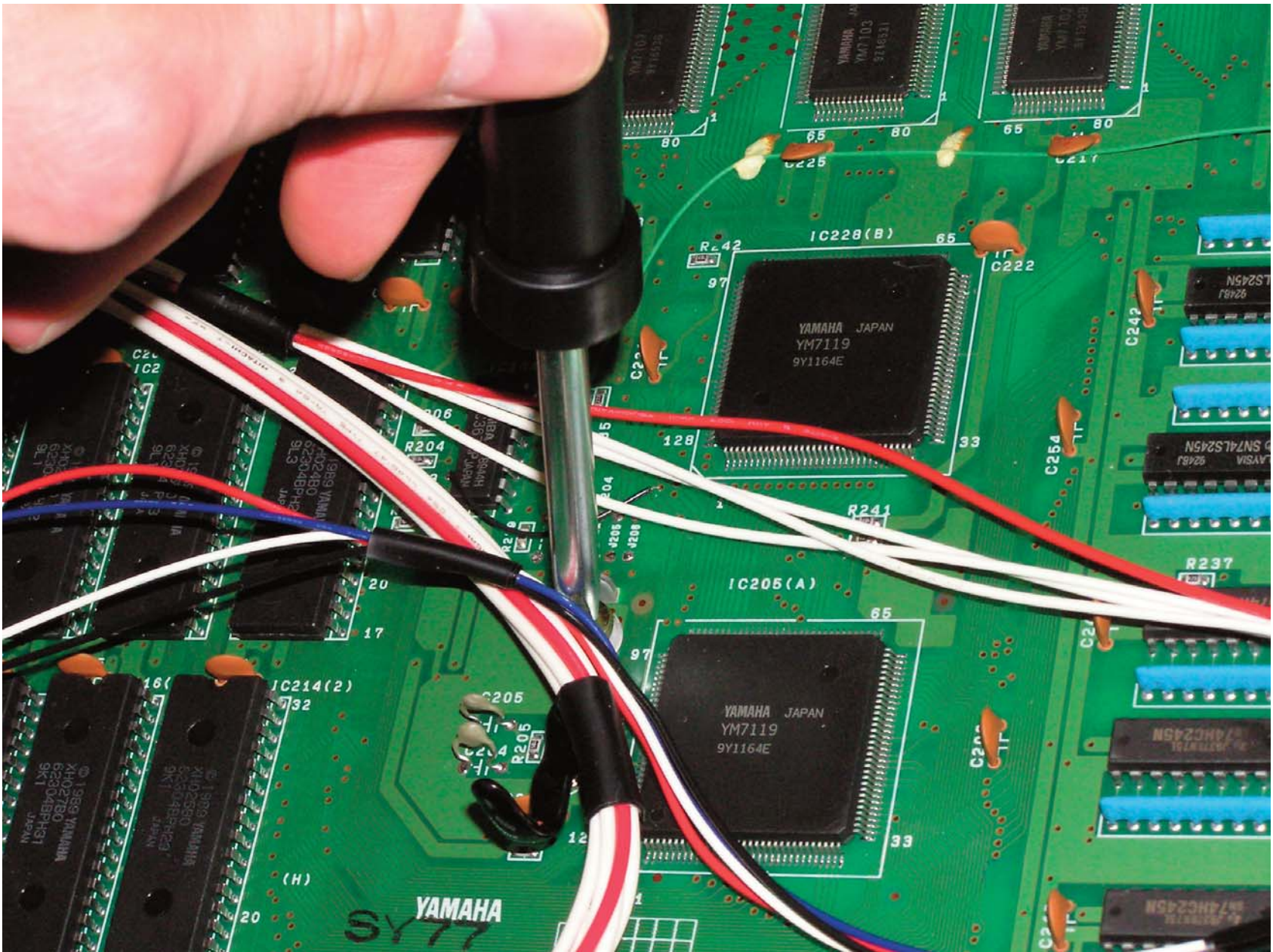
That's it. Peel it away.



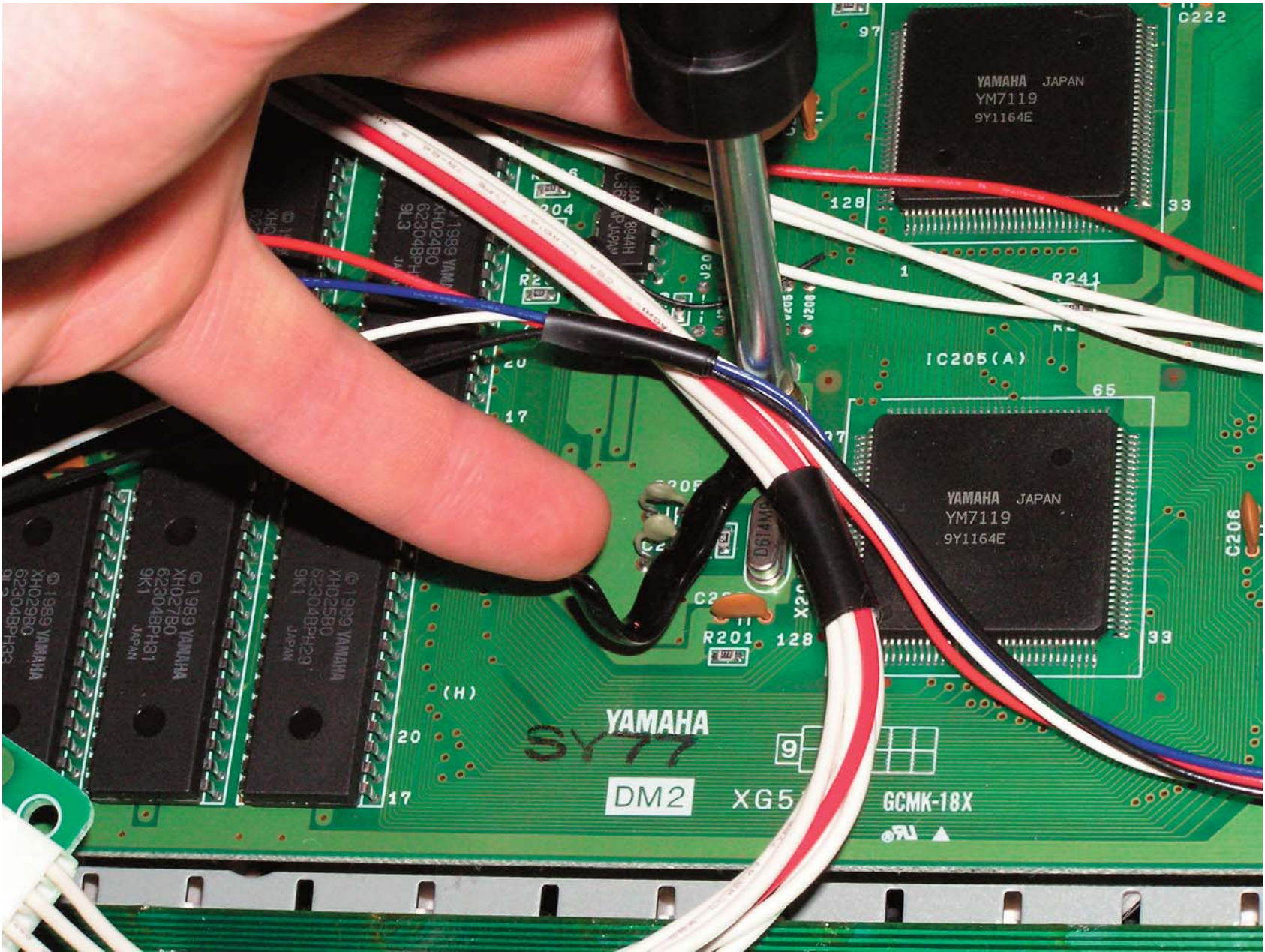
Now comes the left-hand daughter-board. Start disconnecting stuff.



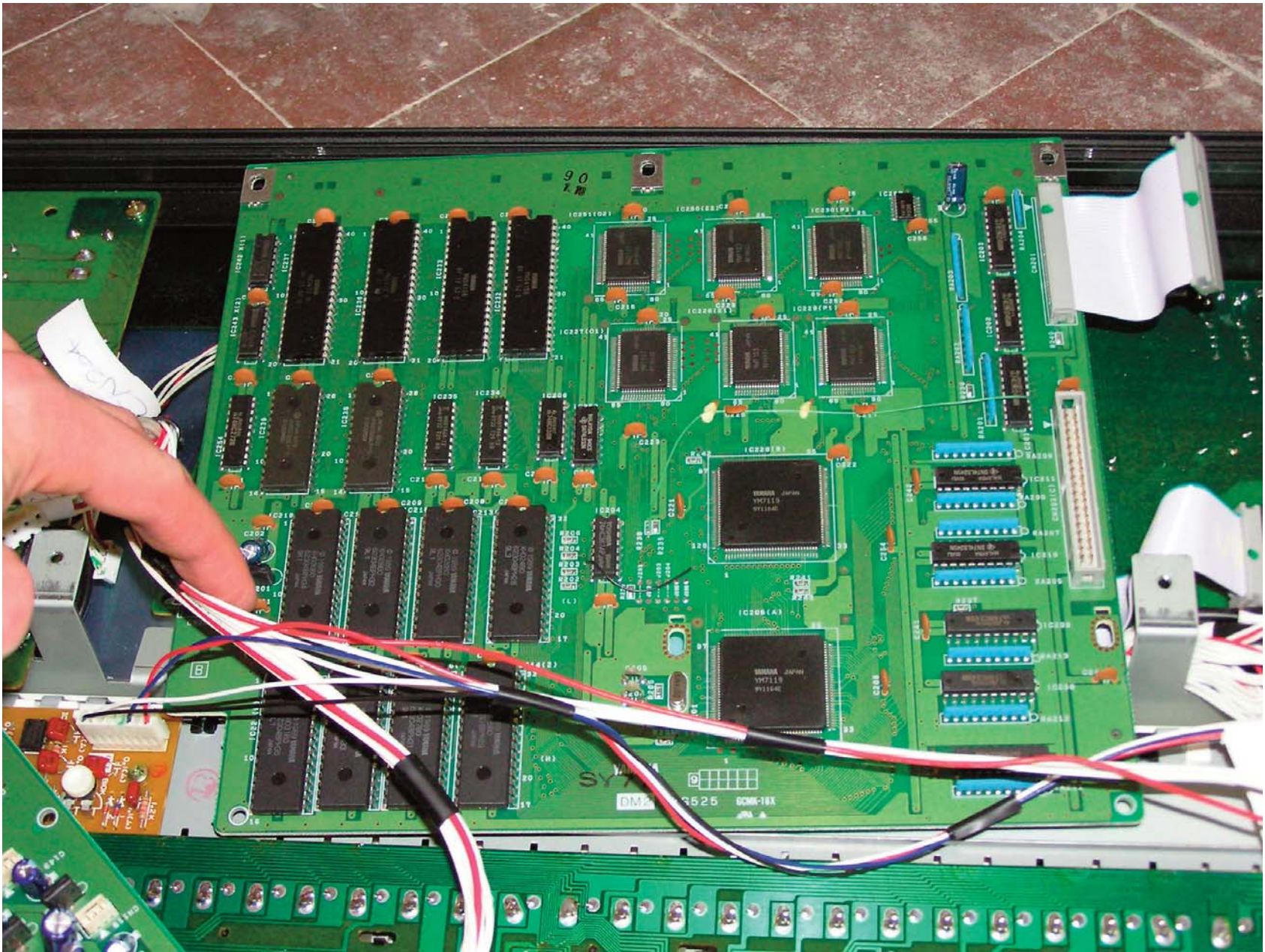
Once the cables are disconnected. Take out the brass screws



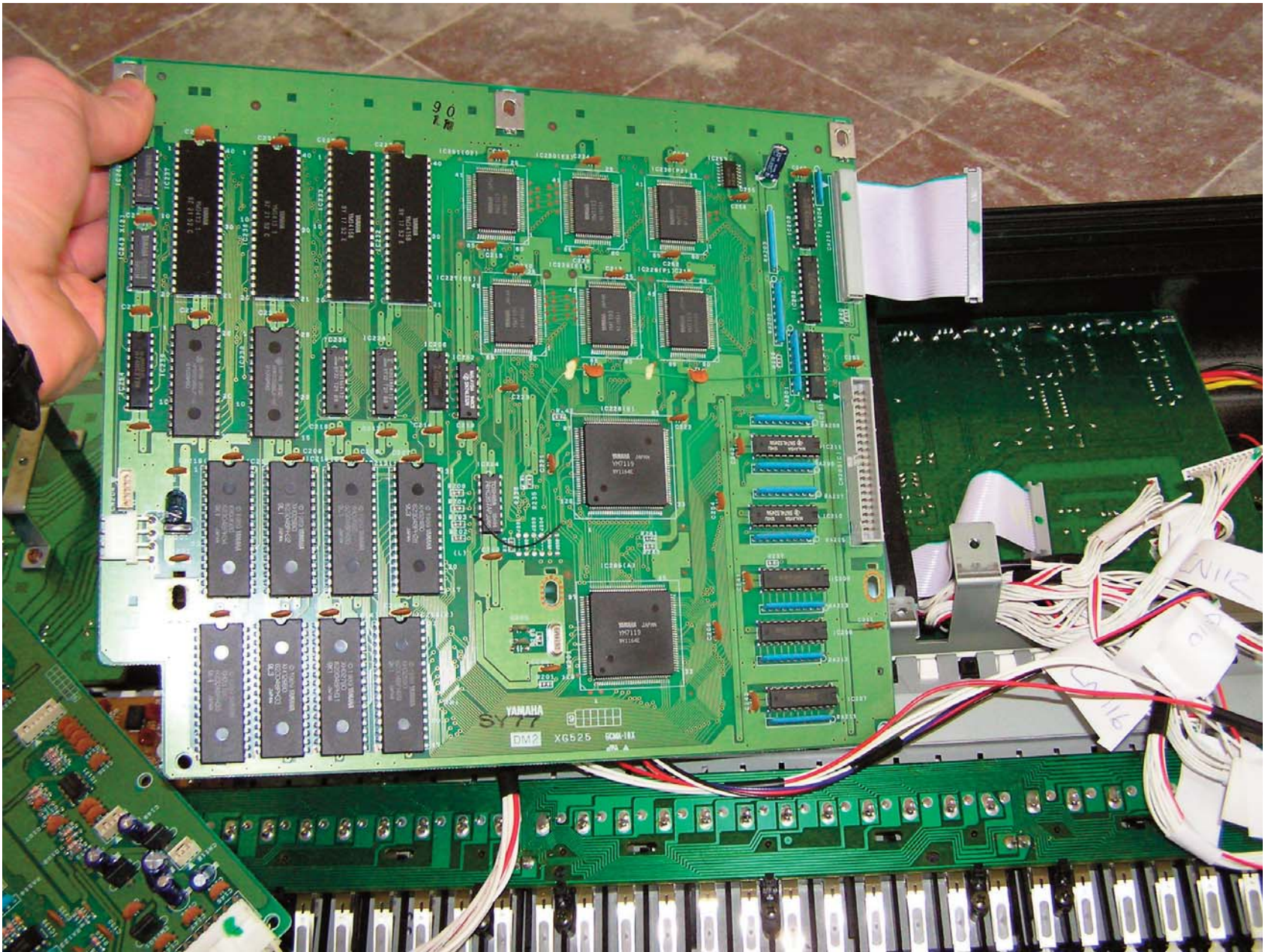
Don't forget this screw-in cable-tie boyo in the middle of it all



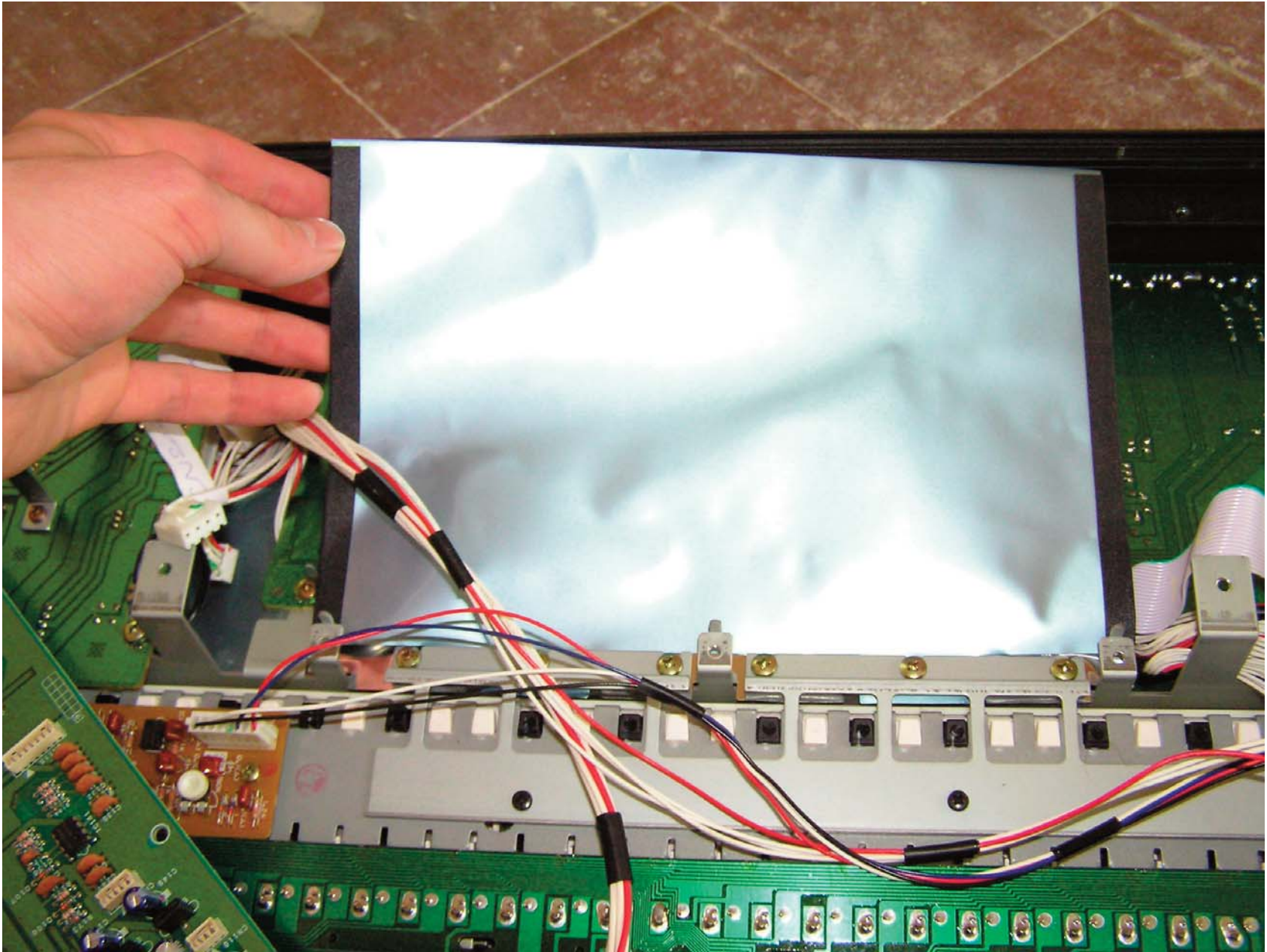
Close-up of it coming out



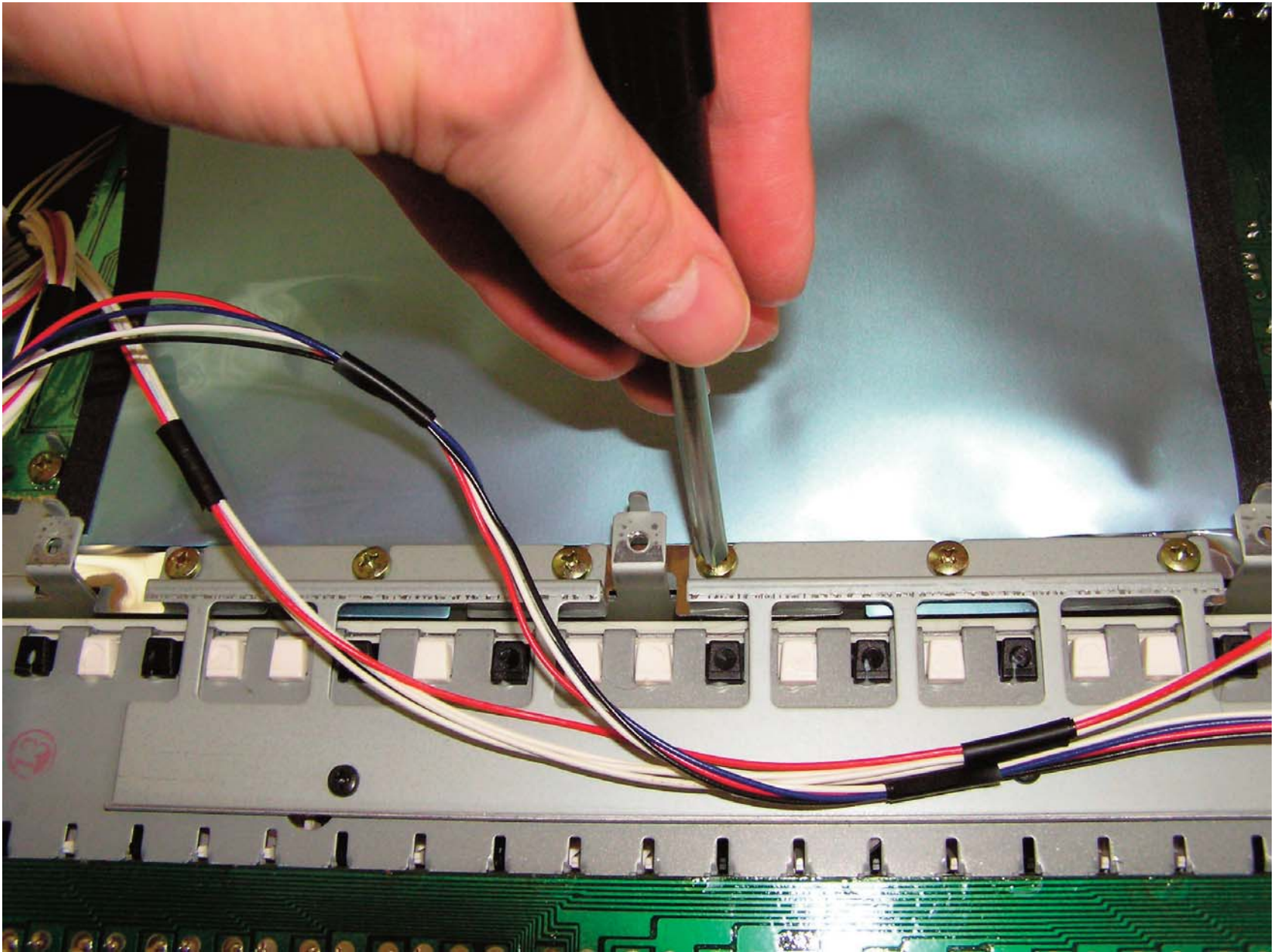
Time for this daughter-board to come out too but first keep the wires and cables out of the way



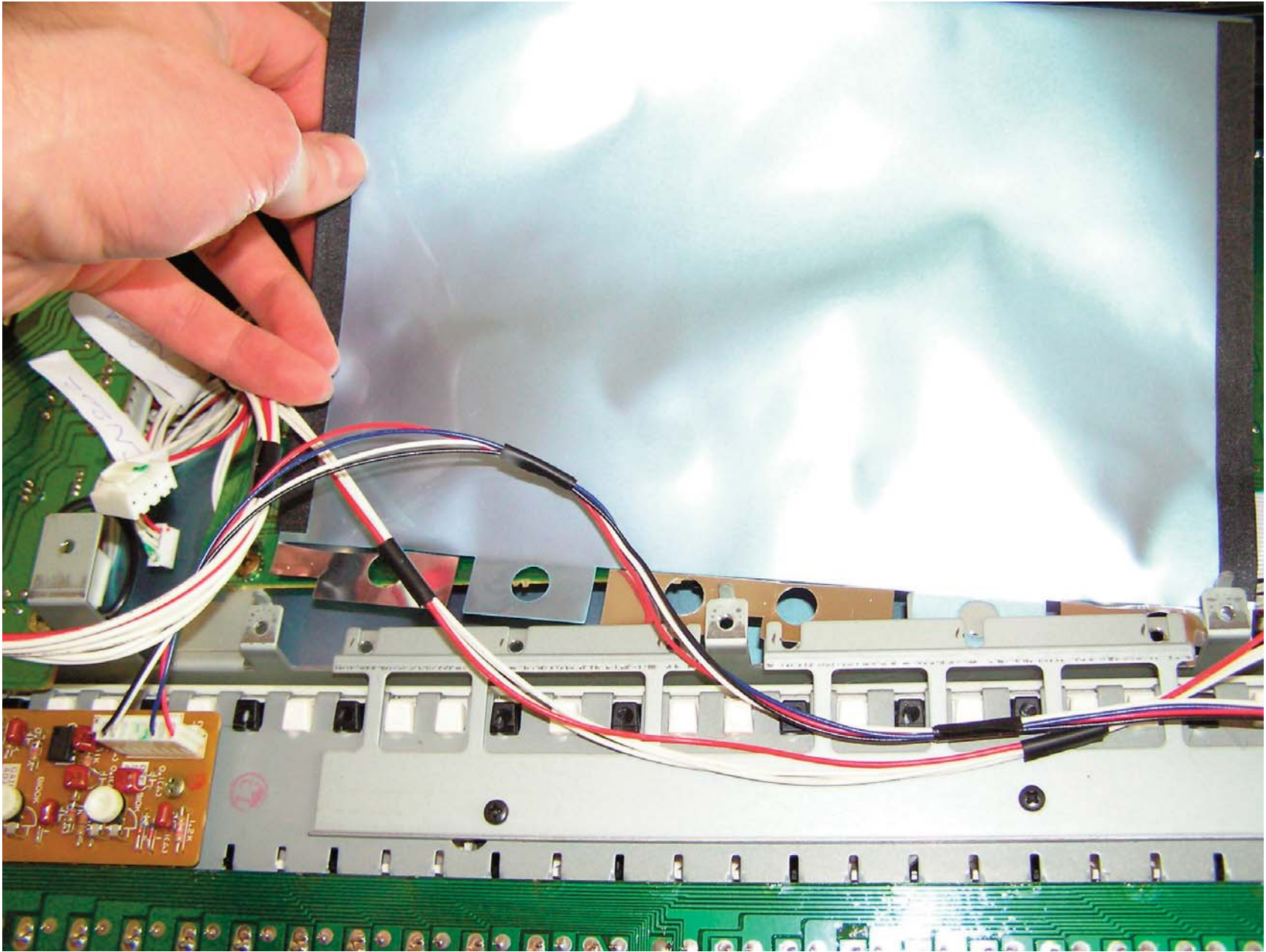
Lift it on out



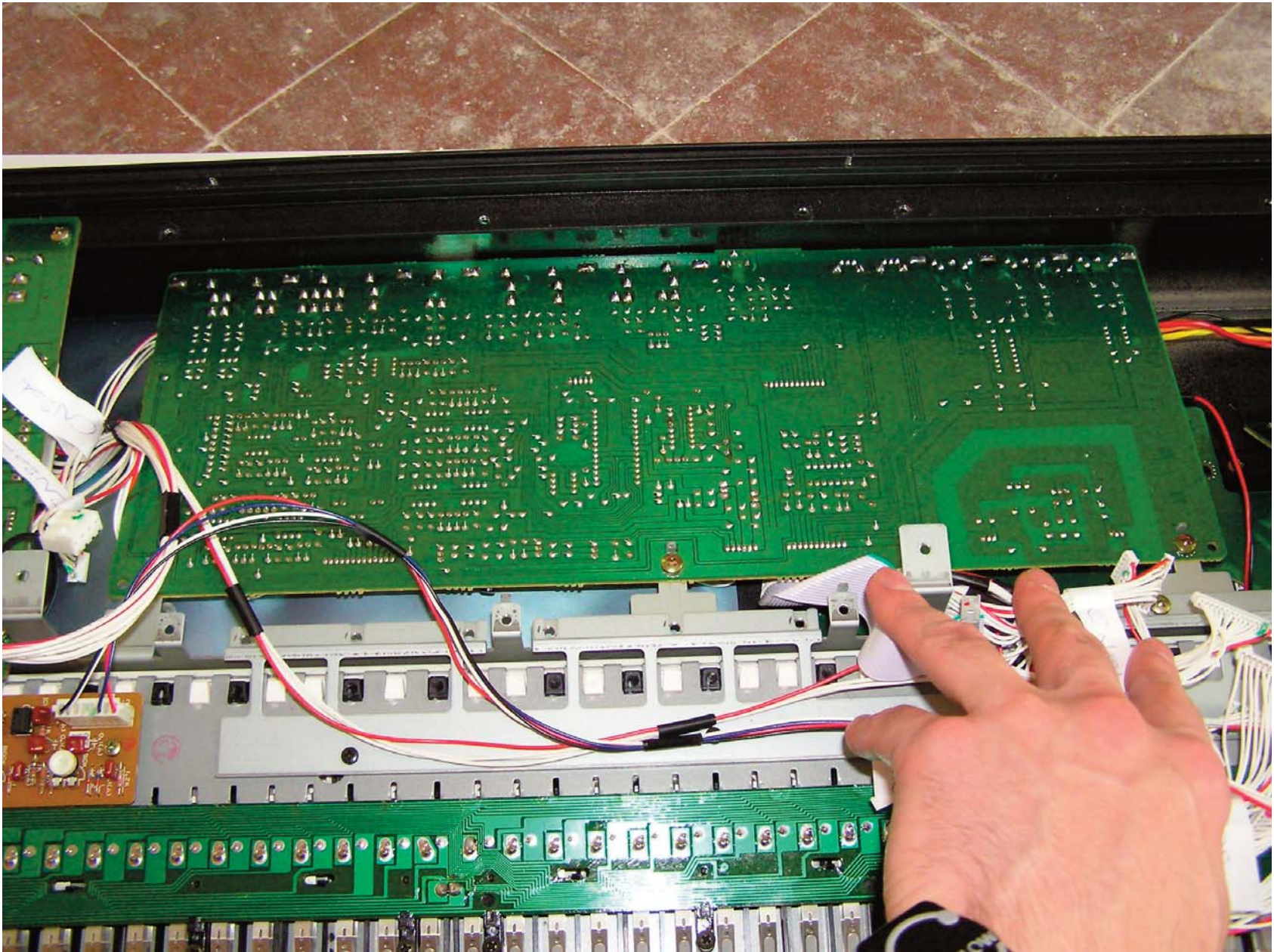
You'll find a silver heat shield in there



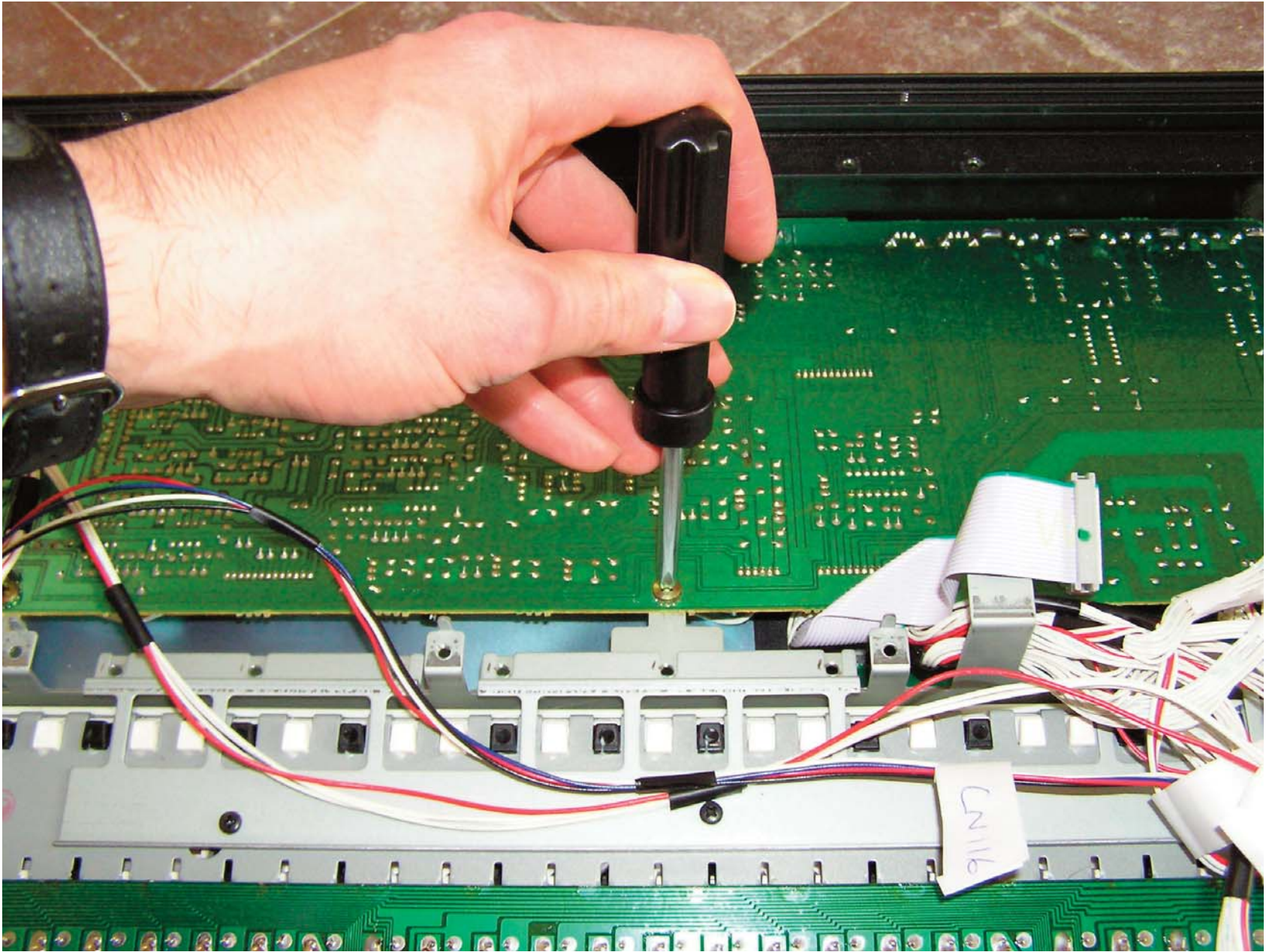
You need to undo the brass screws in the front to take it out



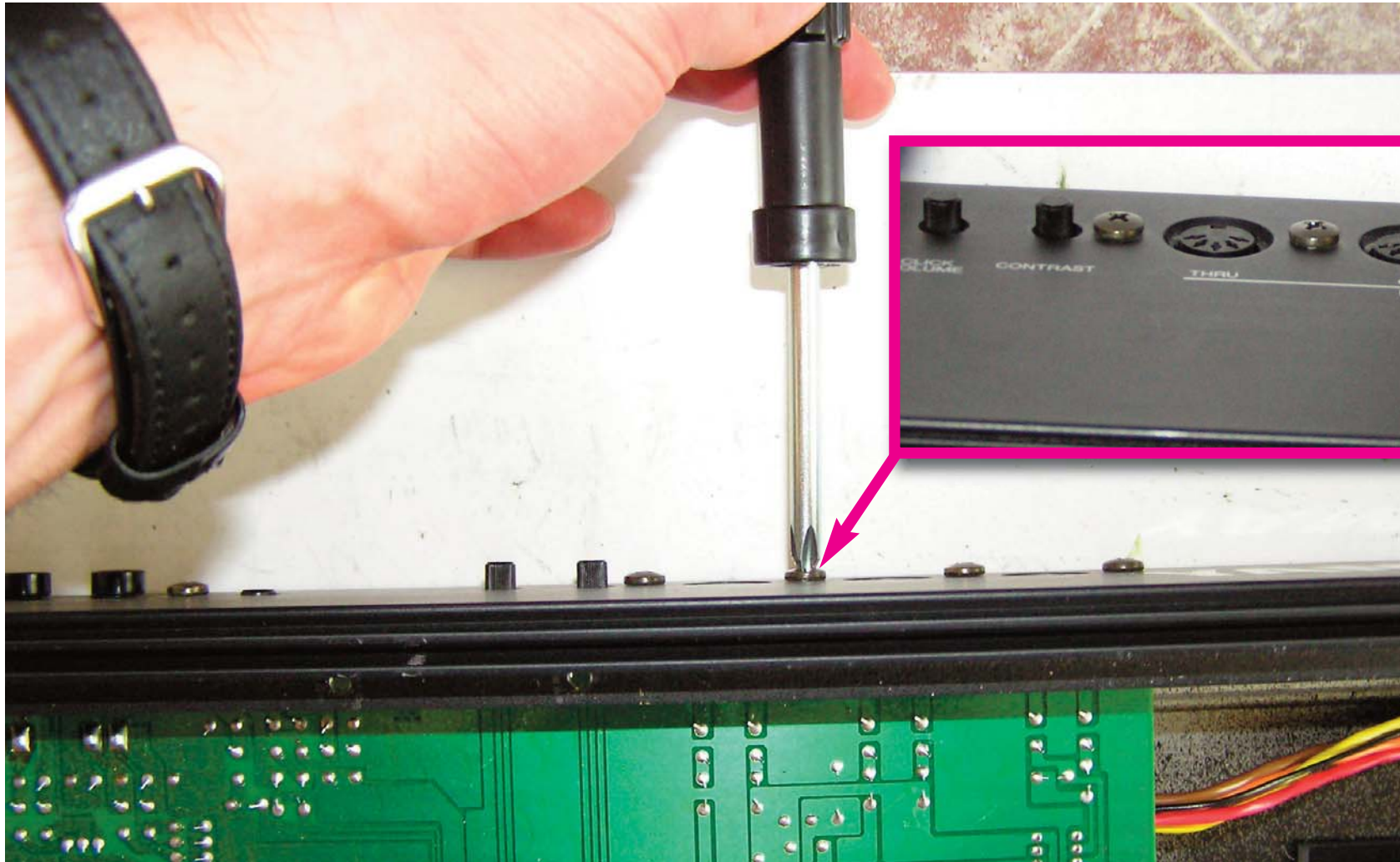
Once the screws are un-done, it'll slide out



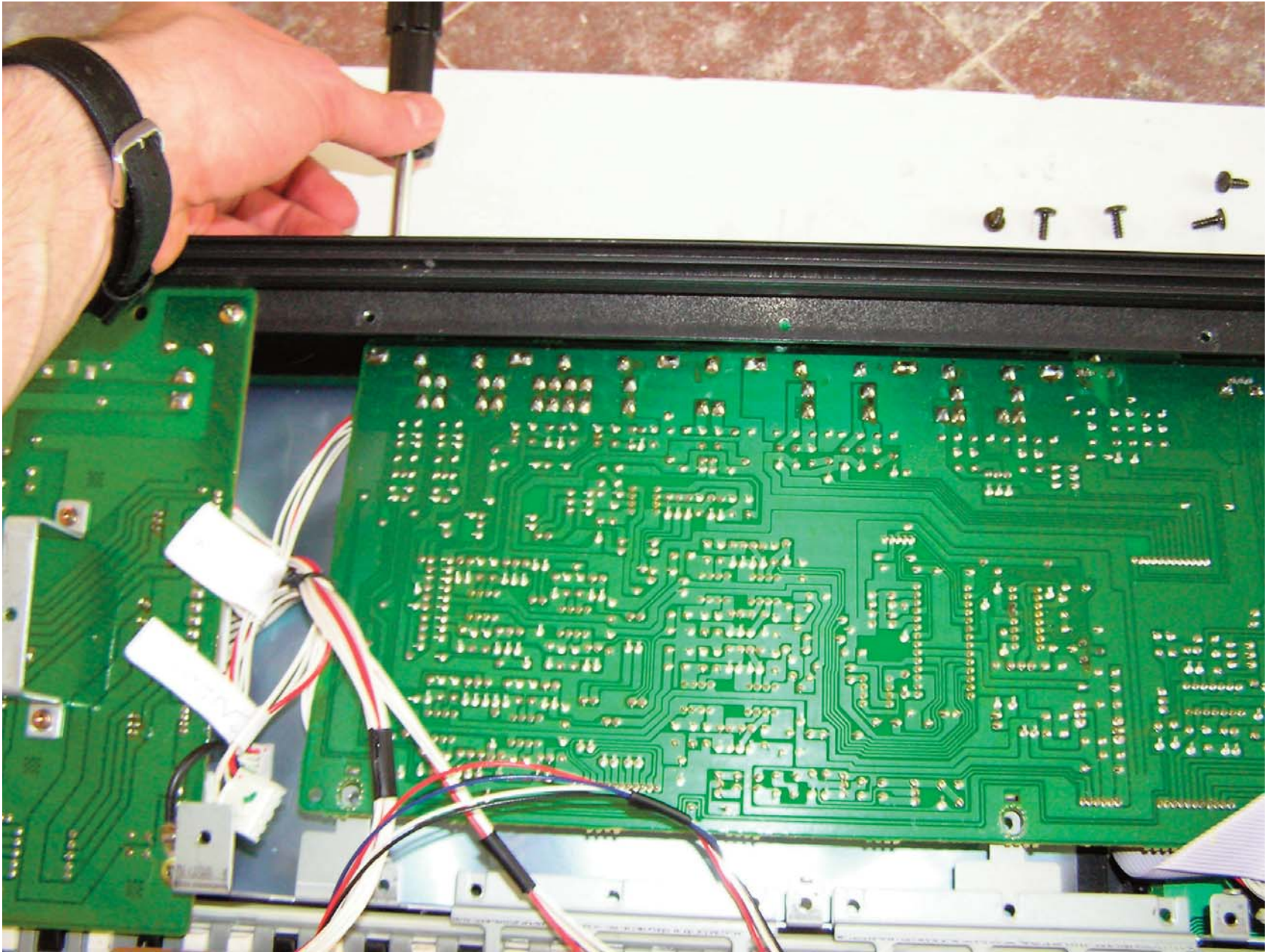
This will expose the second-tier board on the underside (yeah, there's more!)



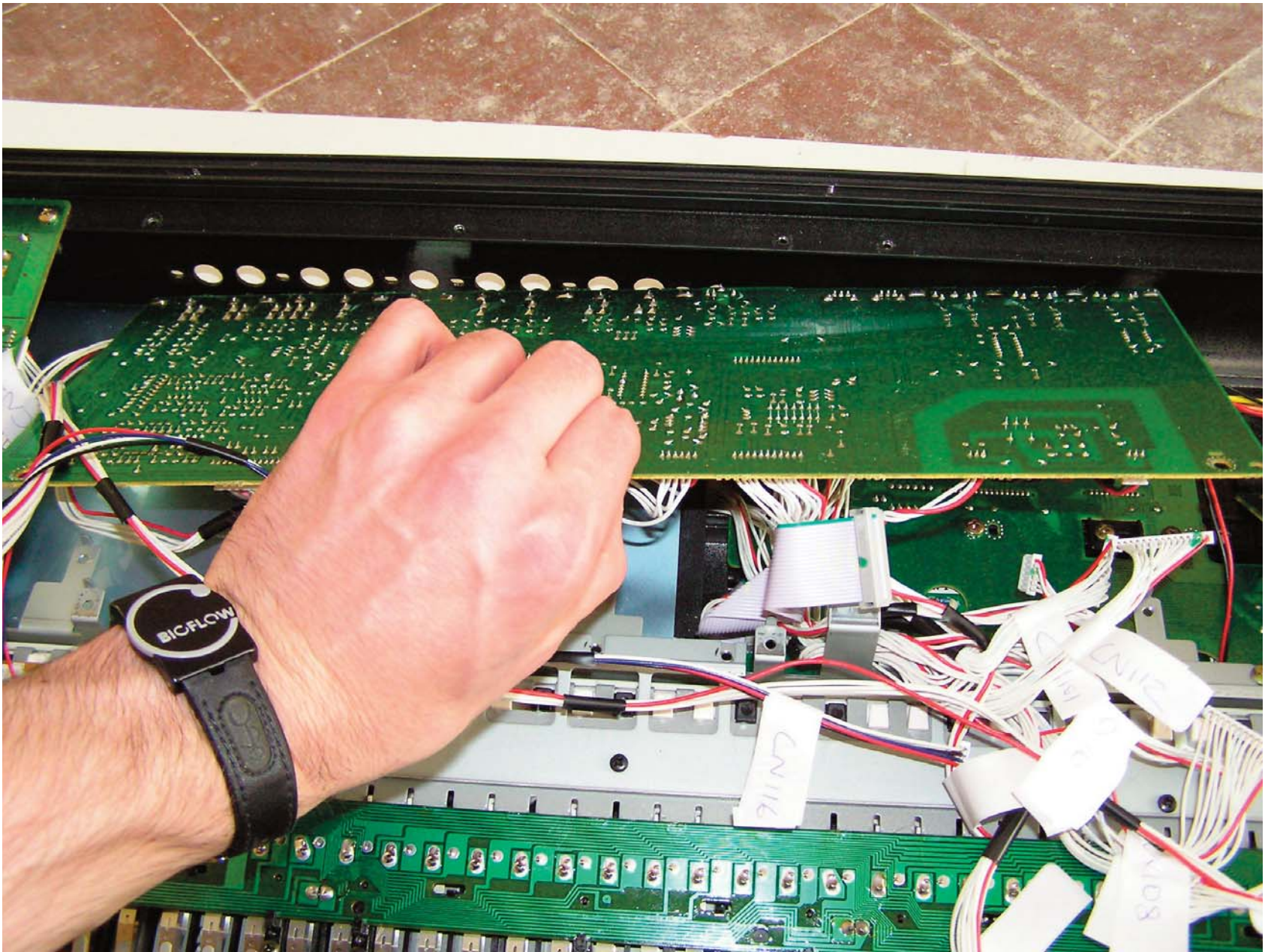
Get the screw-driver in again and remove the holding screws, including the ones of the back of the case...



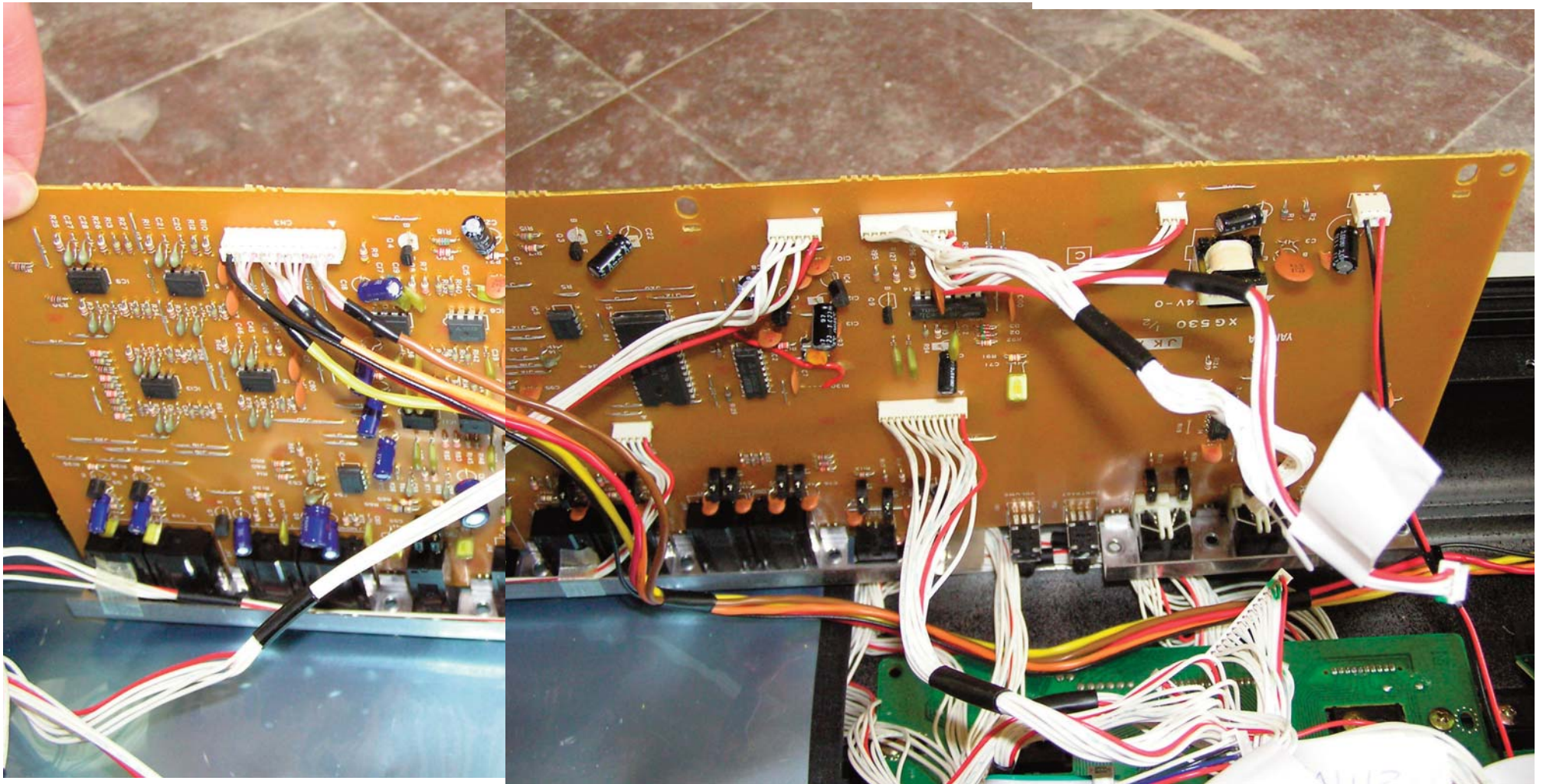
Take out all the screws on the back of the case beside the MIDI plugs etc.



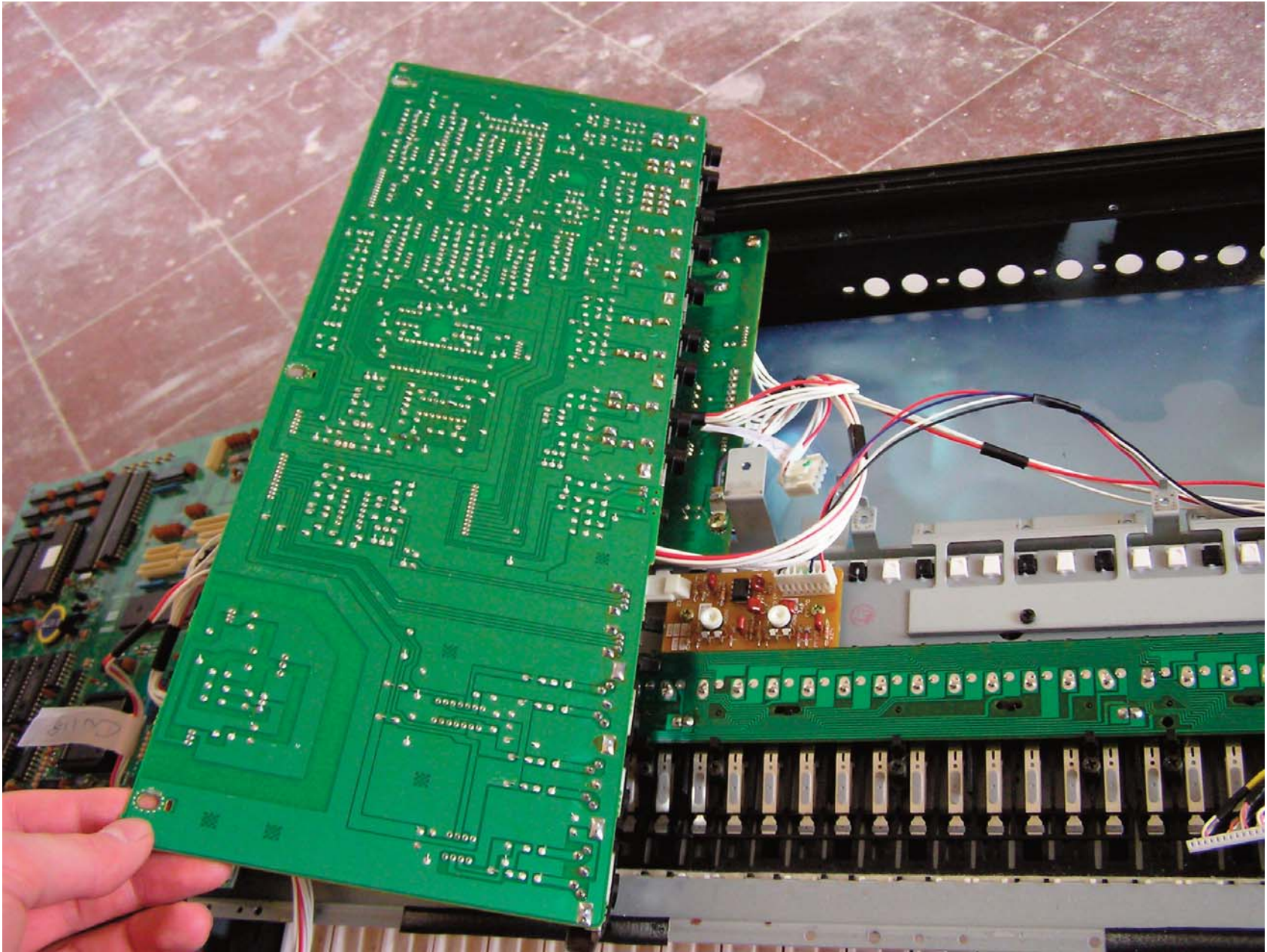
Just work your way along the back of the case



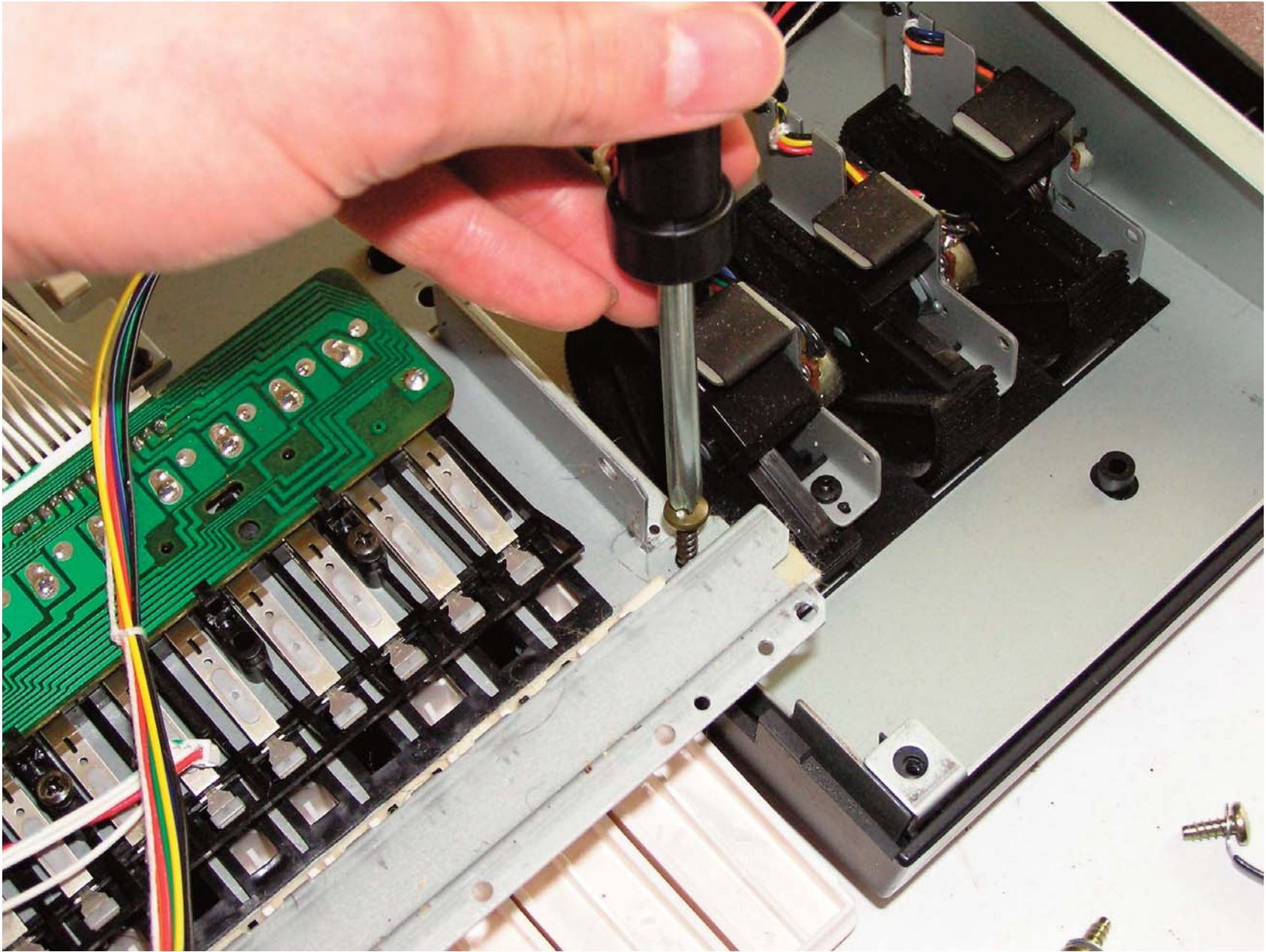
Then slip the second-tier board out carefully...



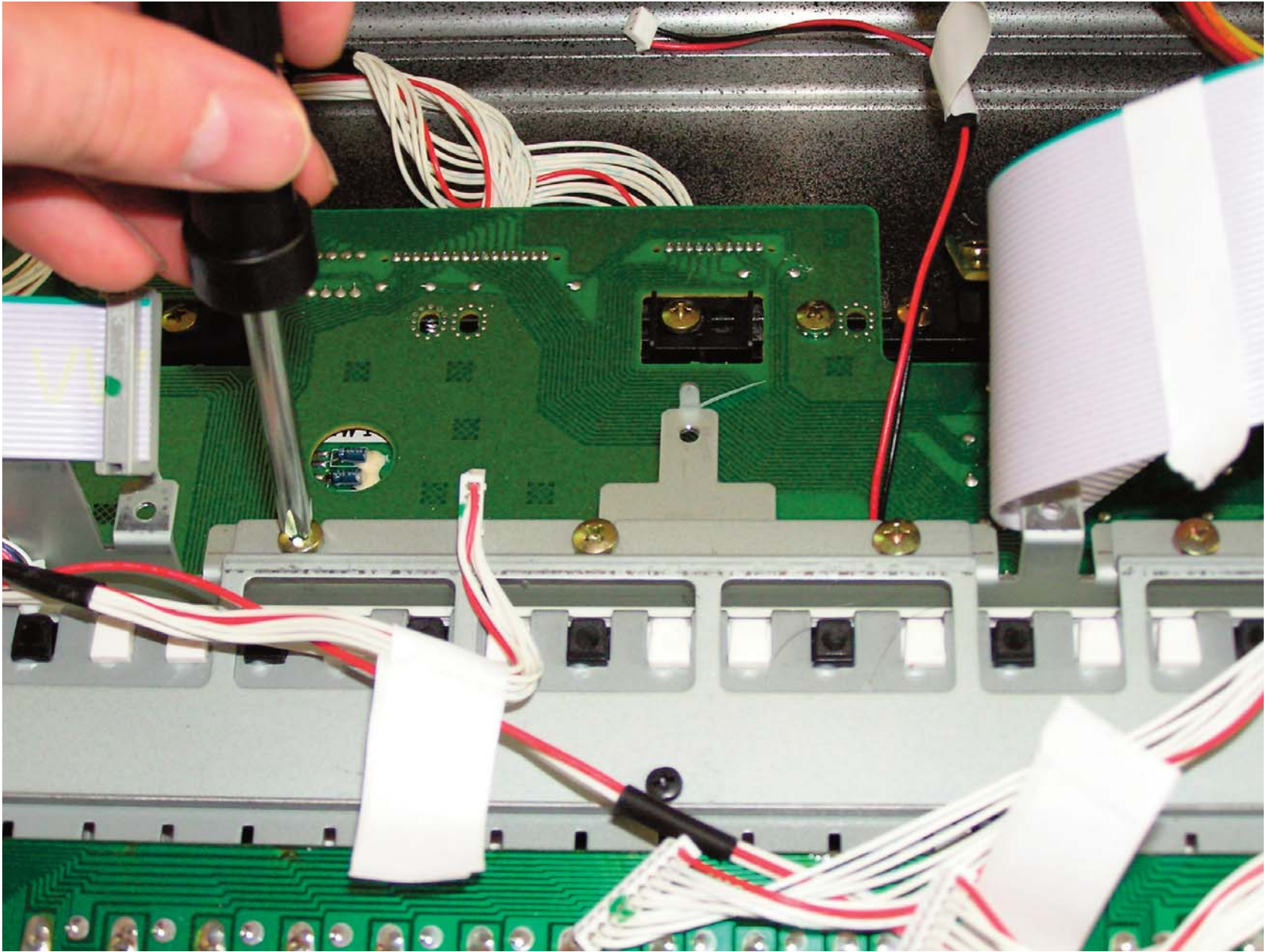
...because there's more cables and wires to be labelled on the underside of it.



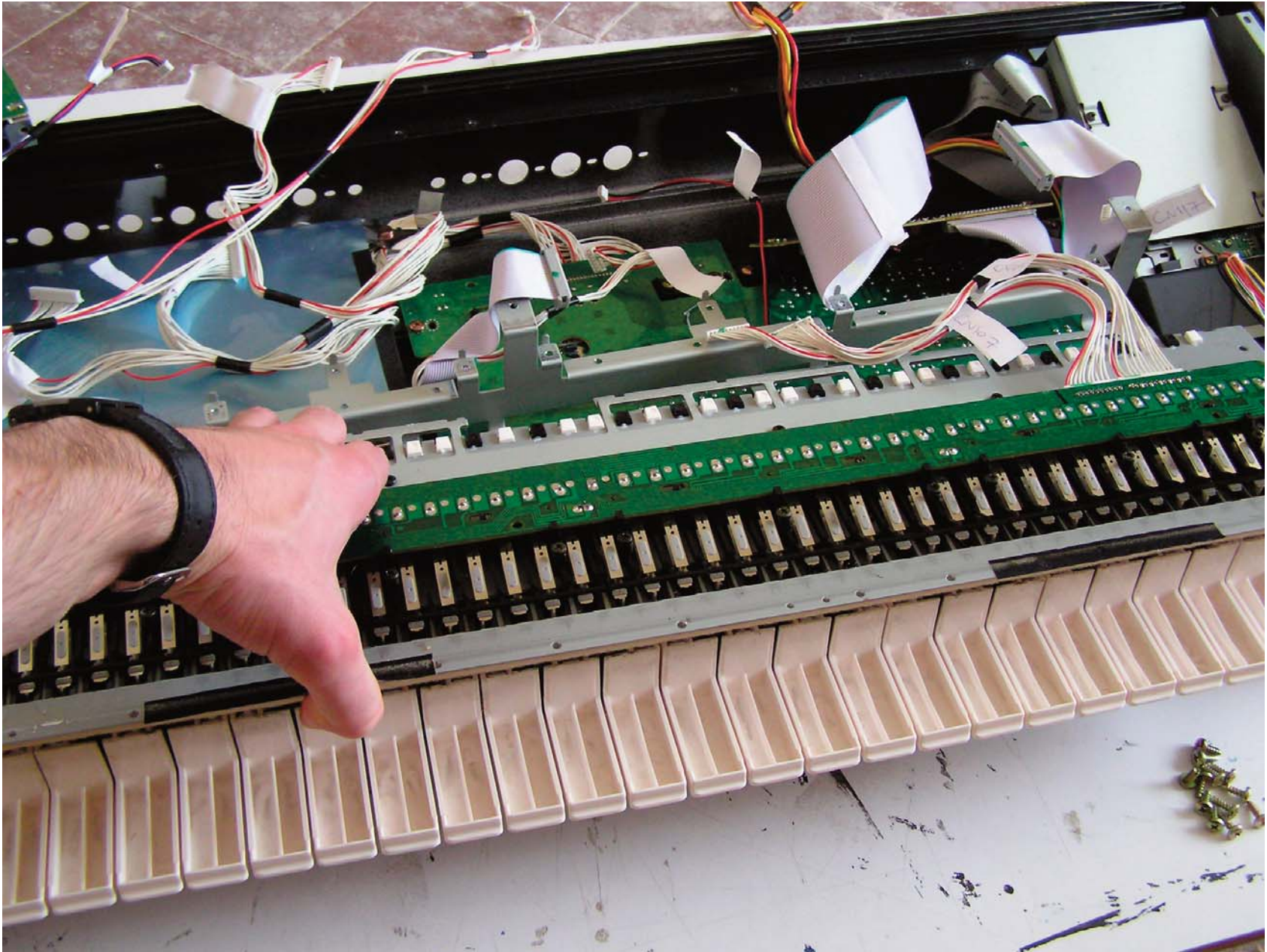
So disconnect what you can and set it to the side



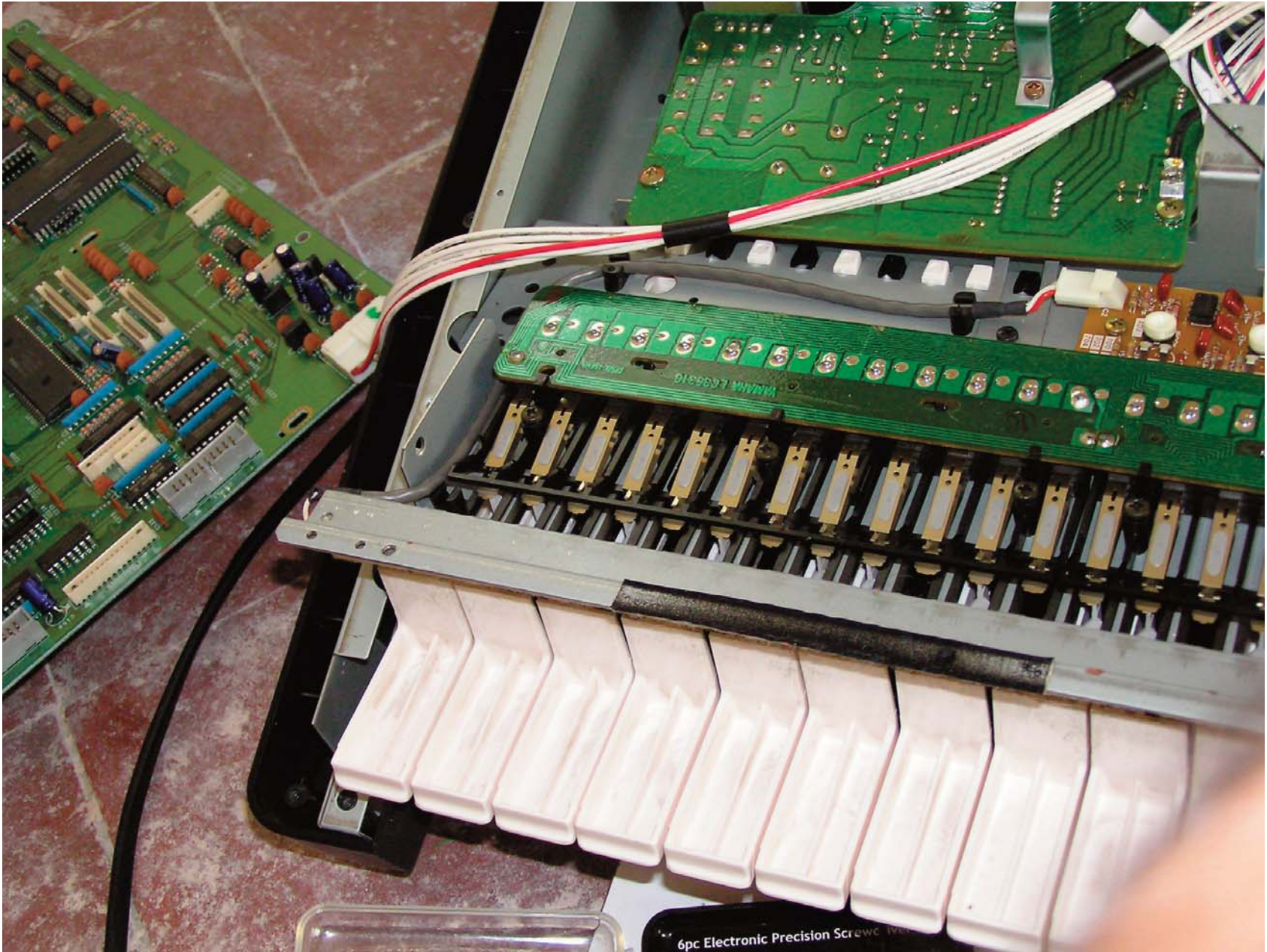
Time to have a go at the key's hammer circuit board. Remove the screws.



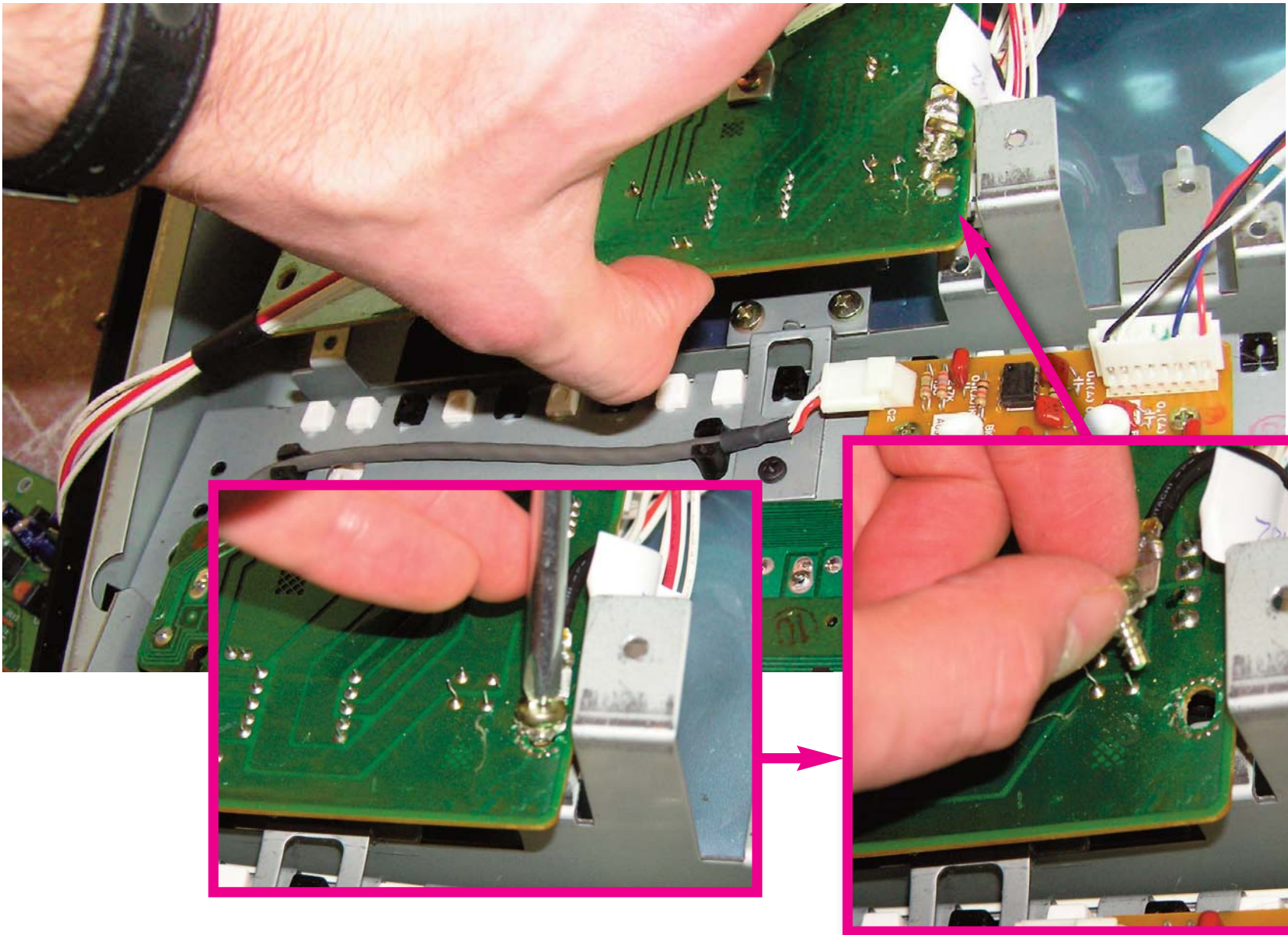
Work along the metal frame



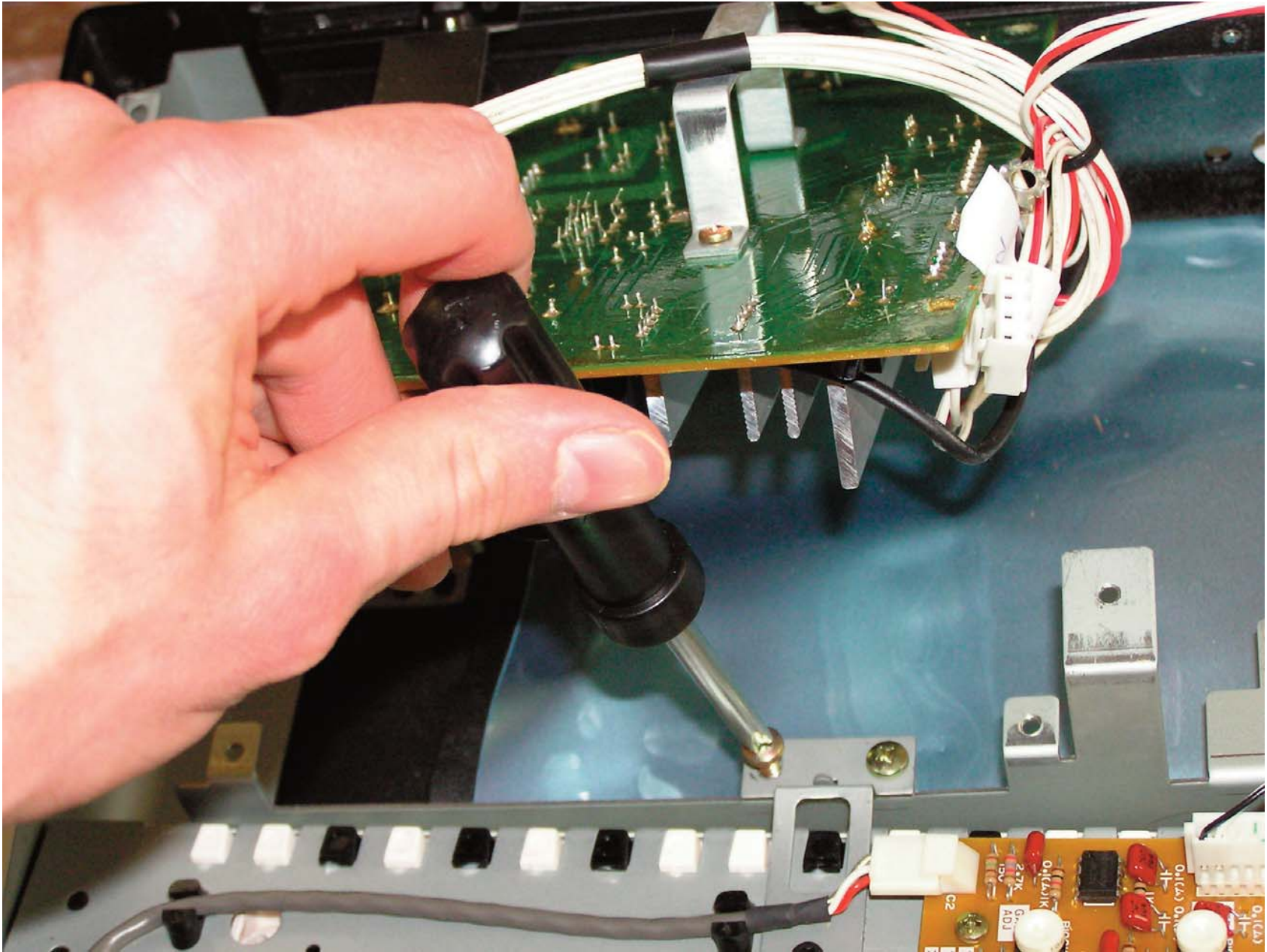
Take the piano keys hammer board off



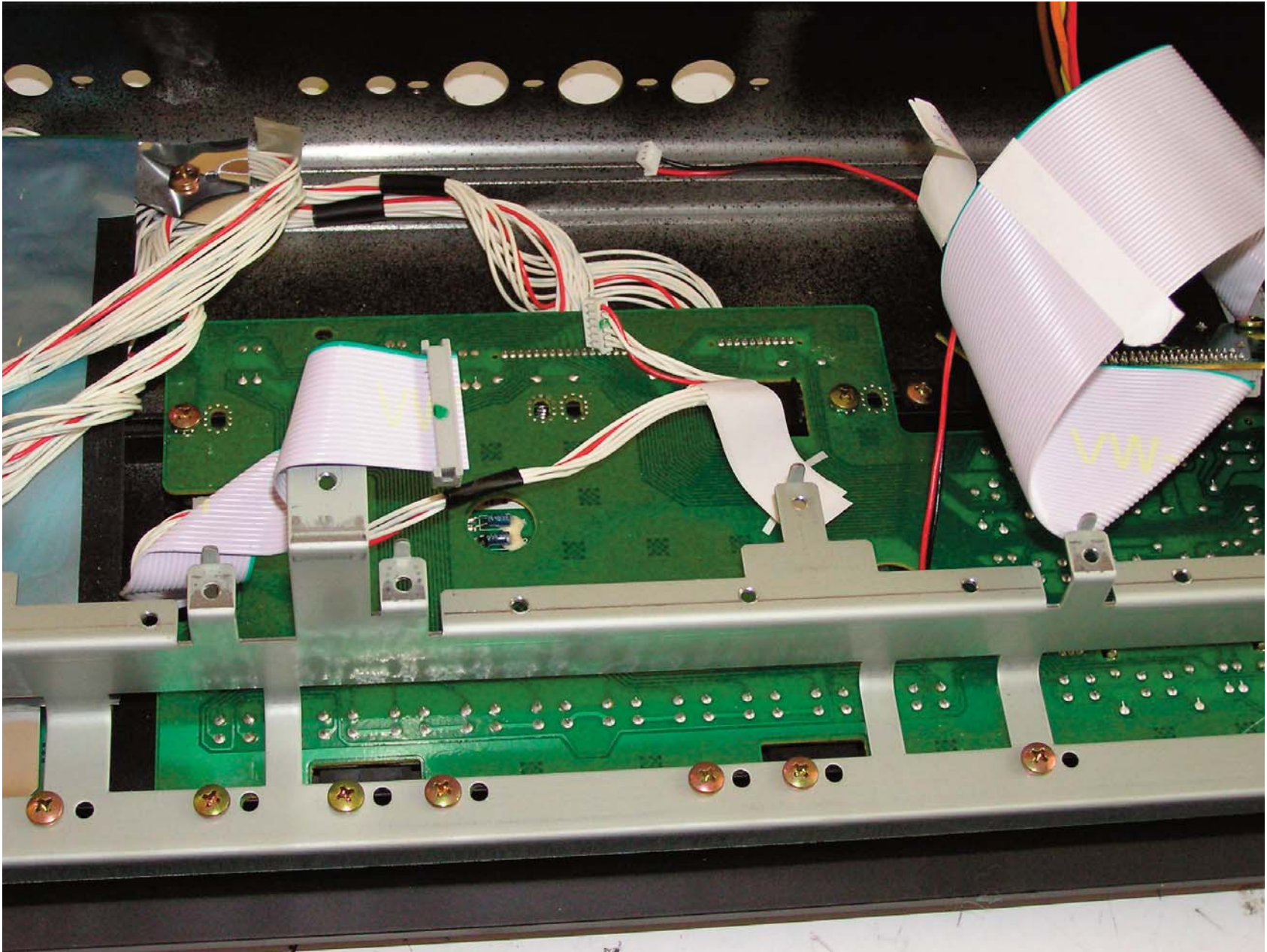
Now it's time for that little board in the top right of the picture



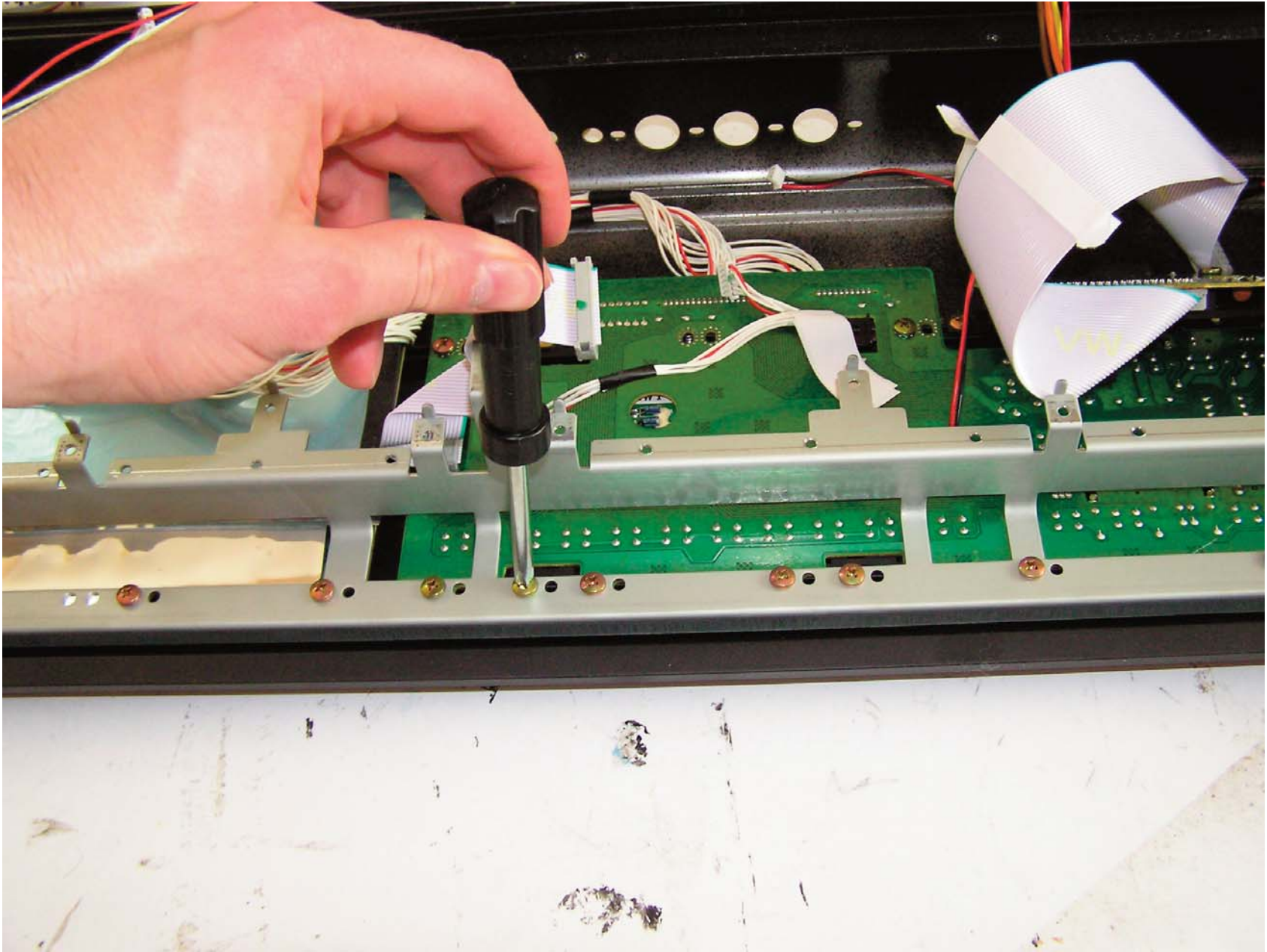
Un-do the screw...



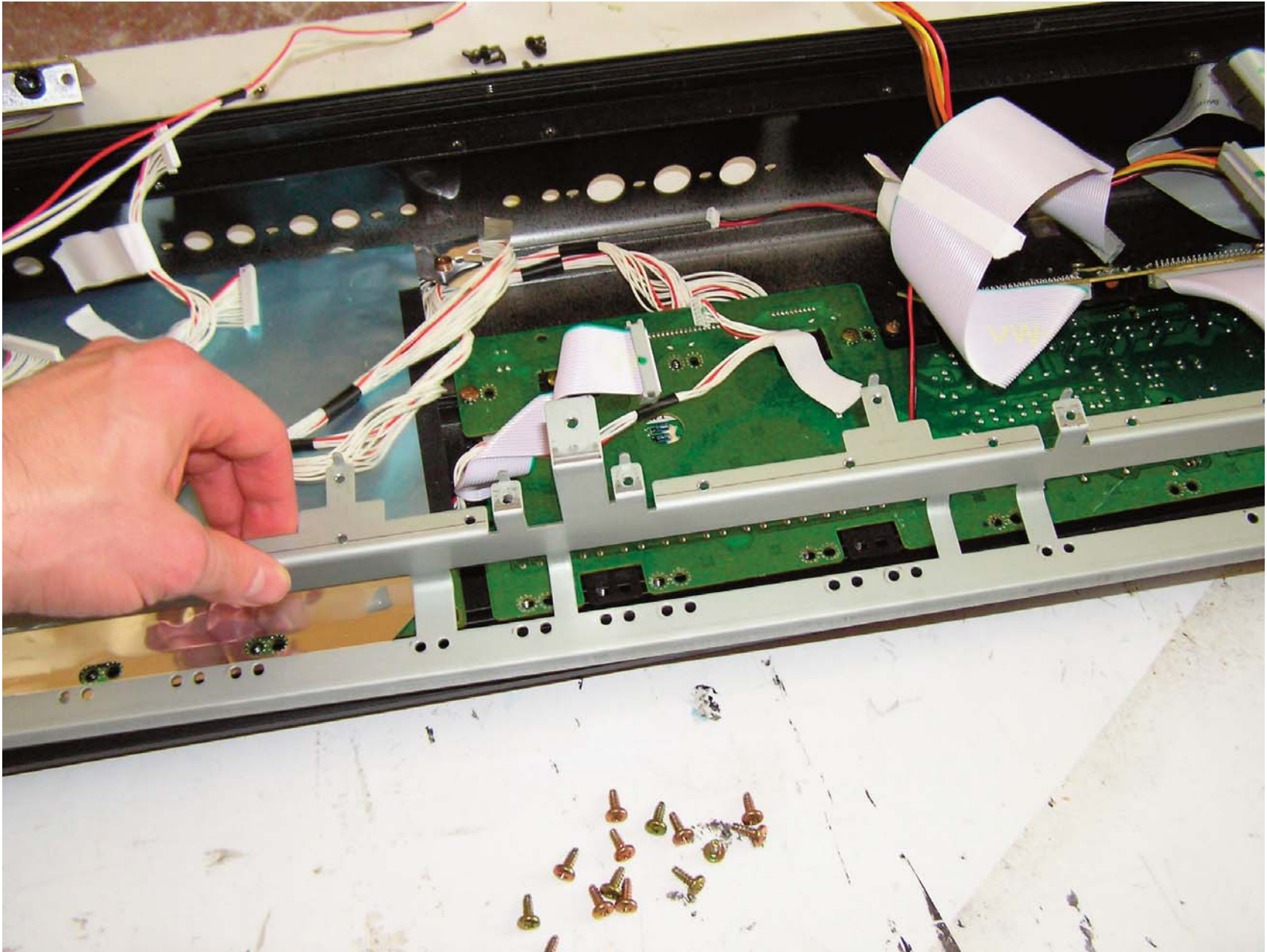
These next...



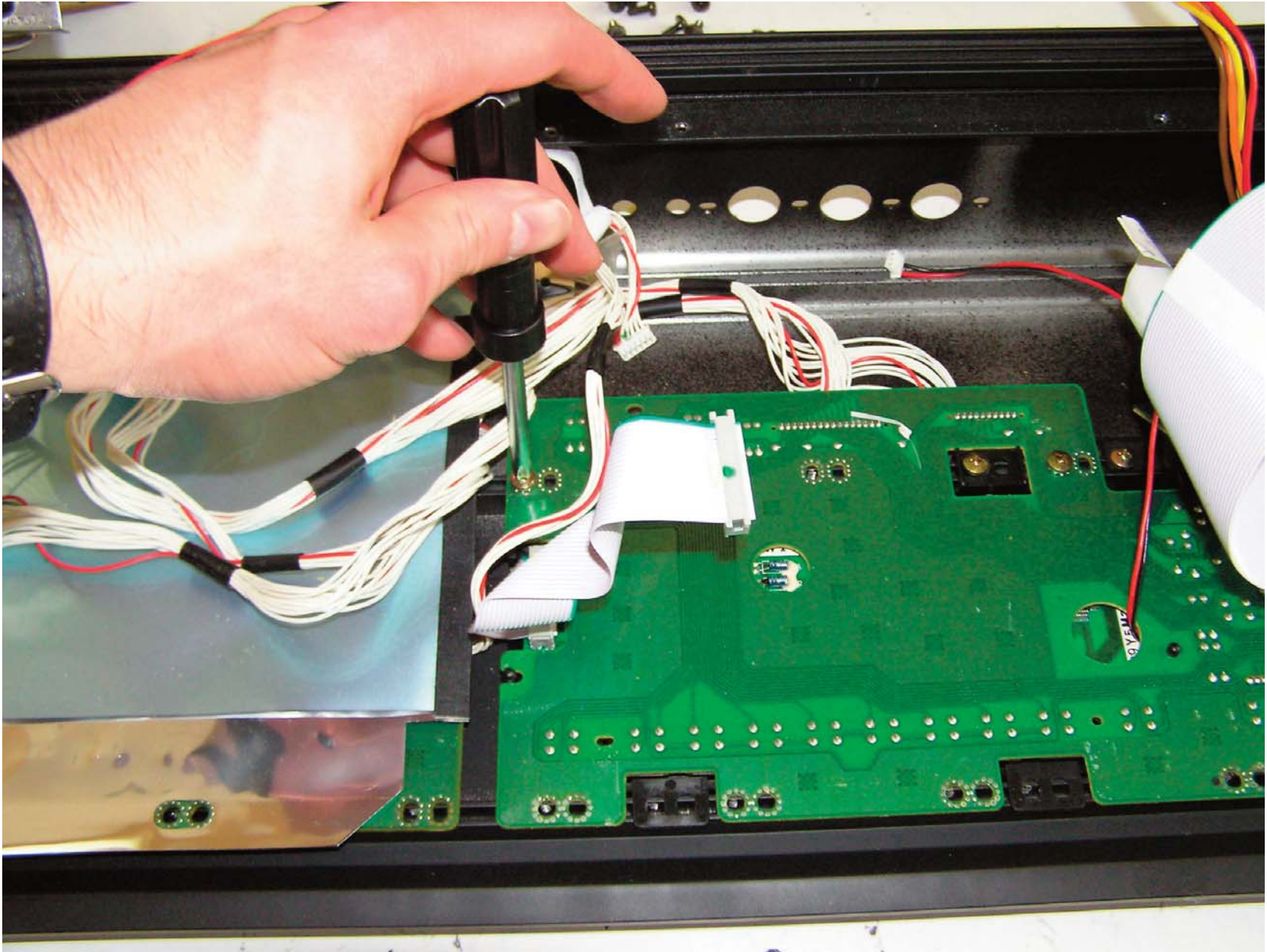
All these gold screws along the bar next



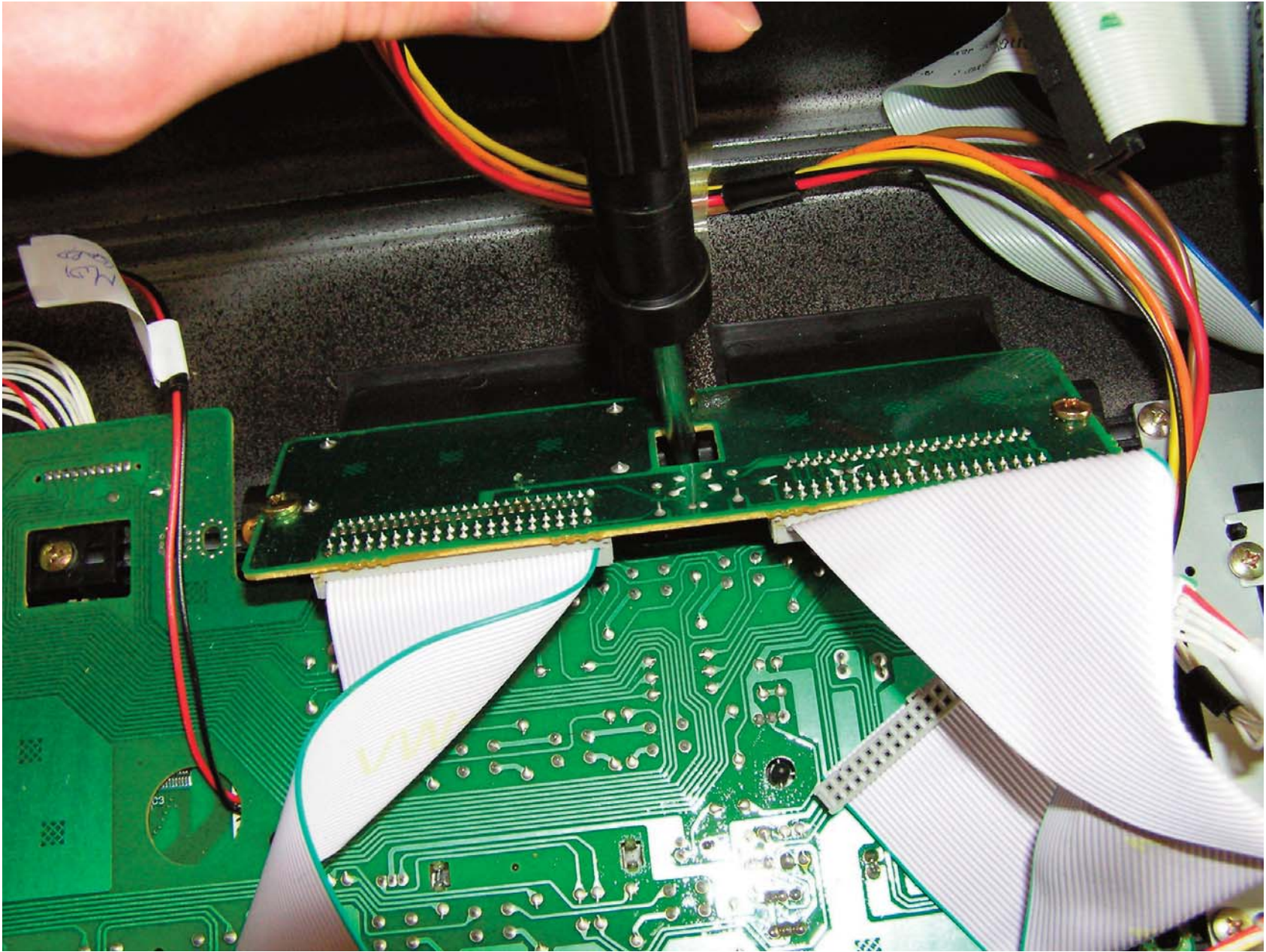
Yup, all of them



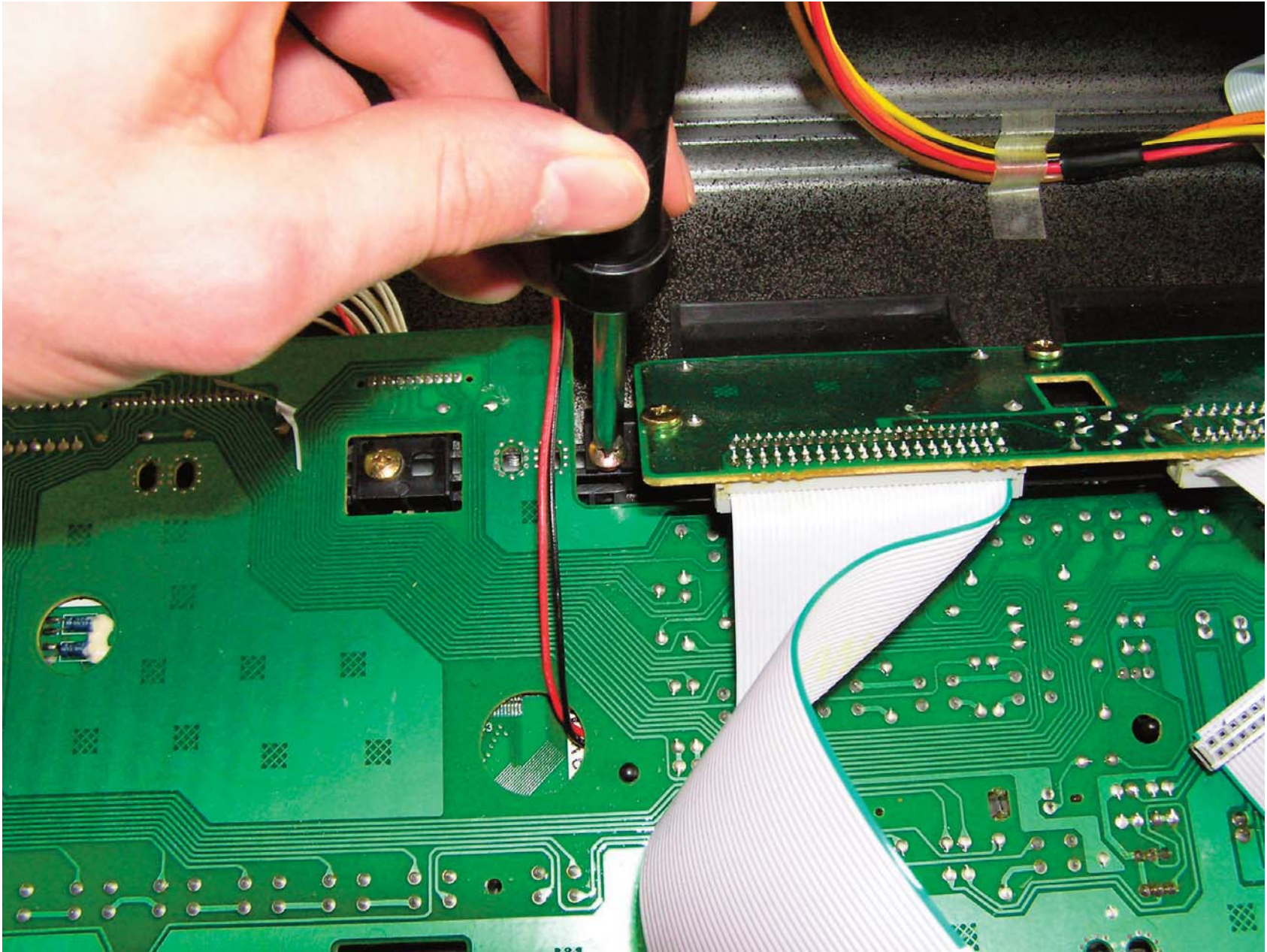
Take the metal bar out



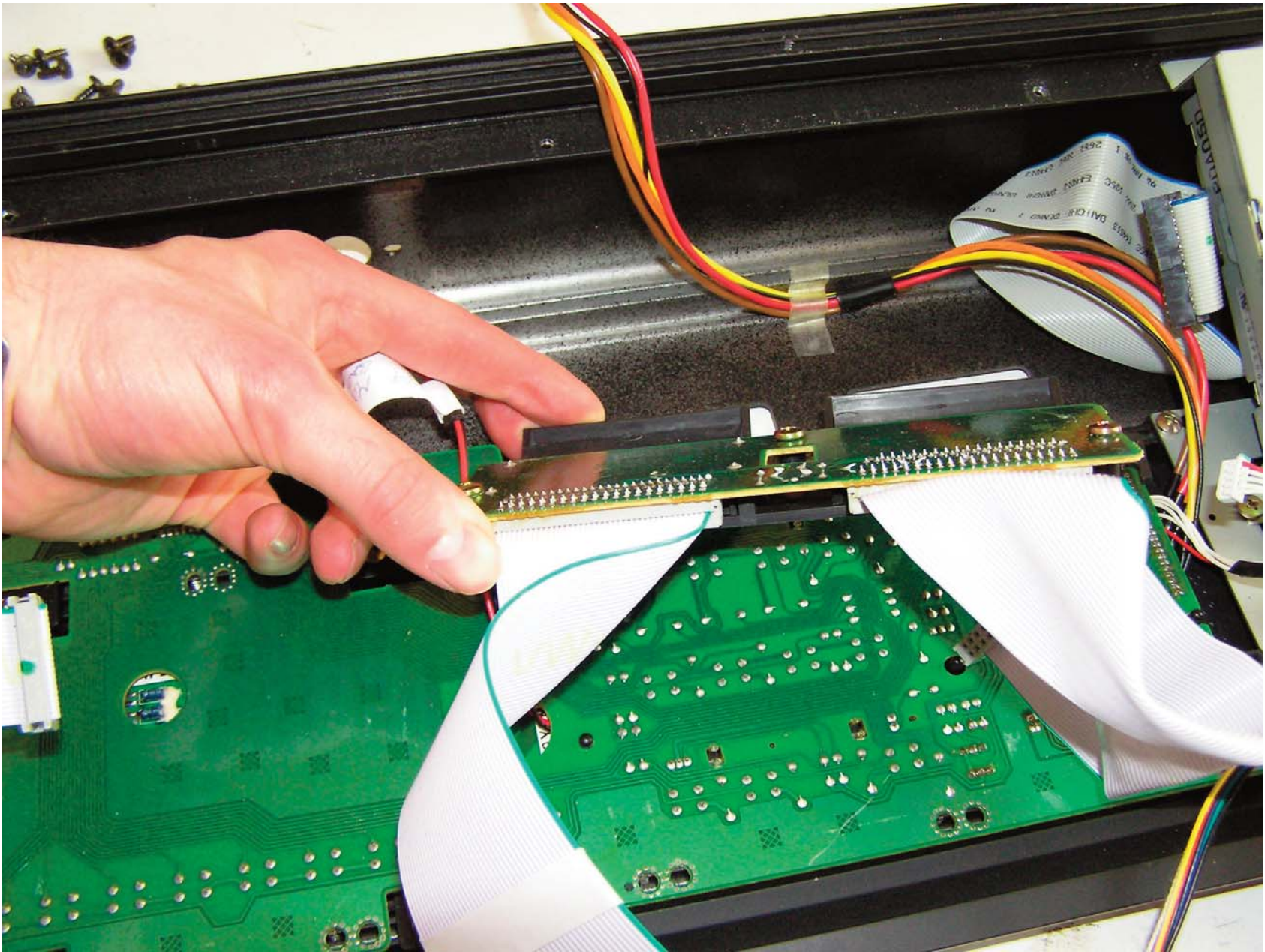
Now for another board



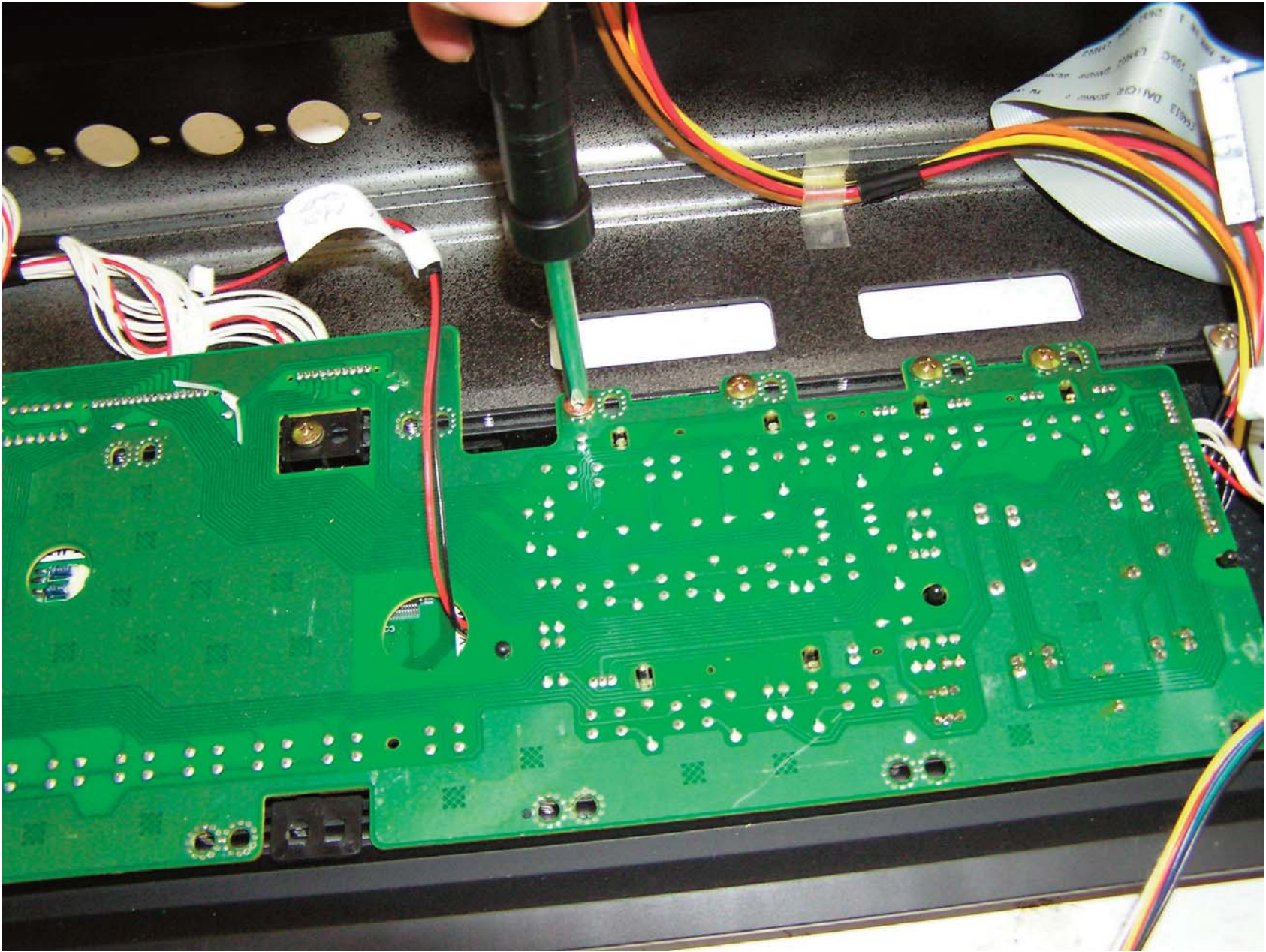
There are a few screws on this one



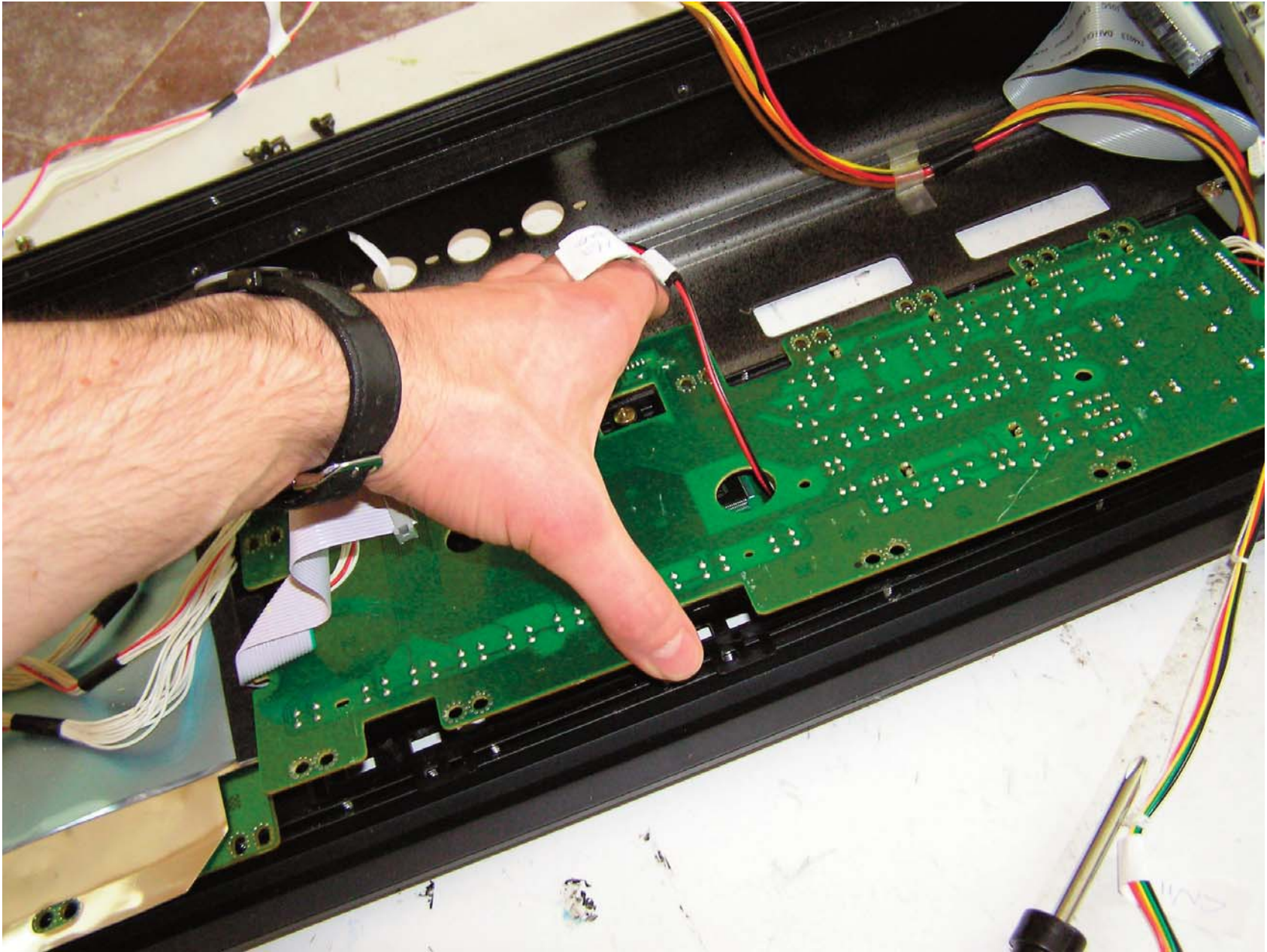
And around the side



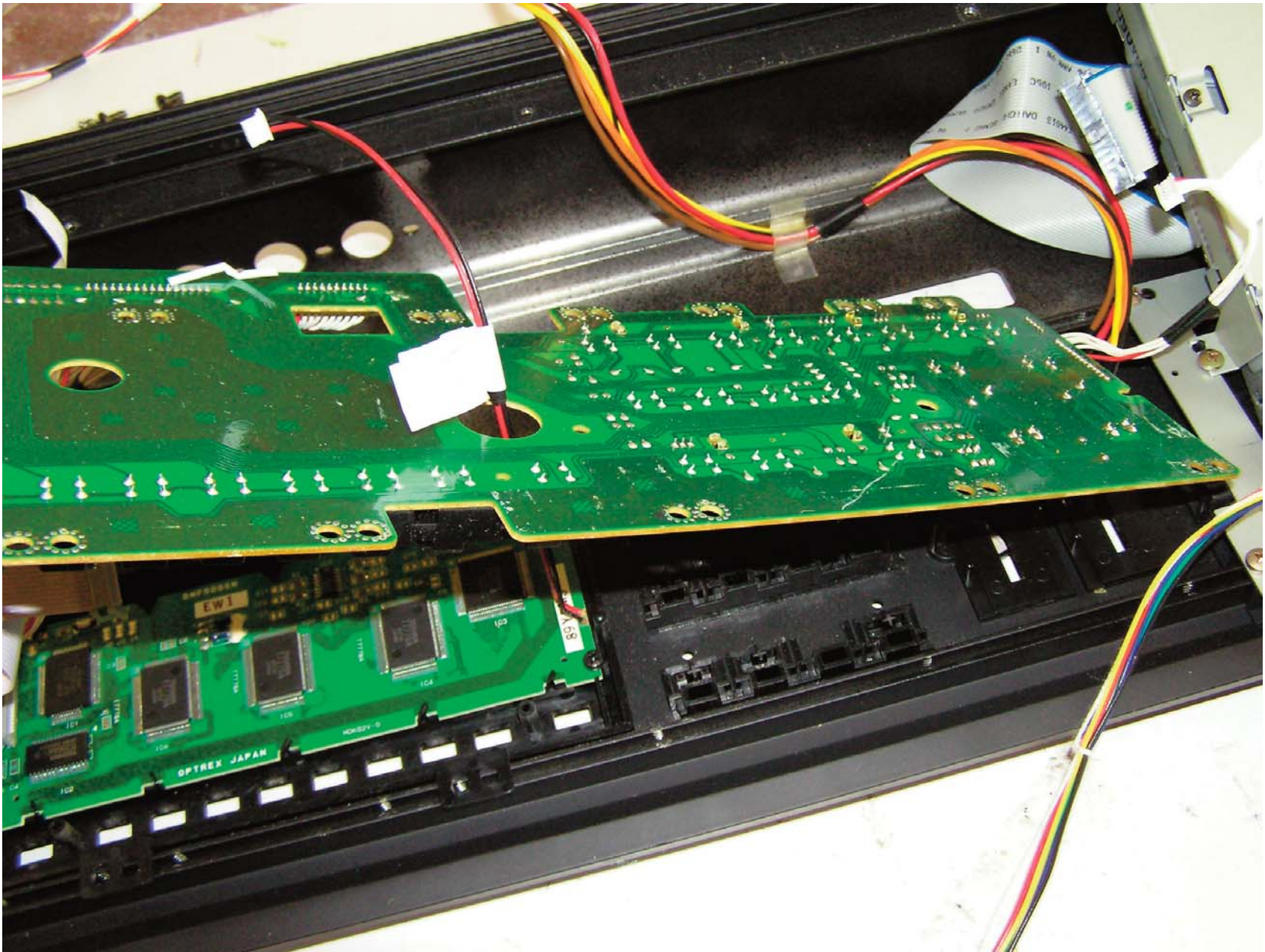
Remove it (careful of the wire to left)



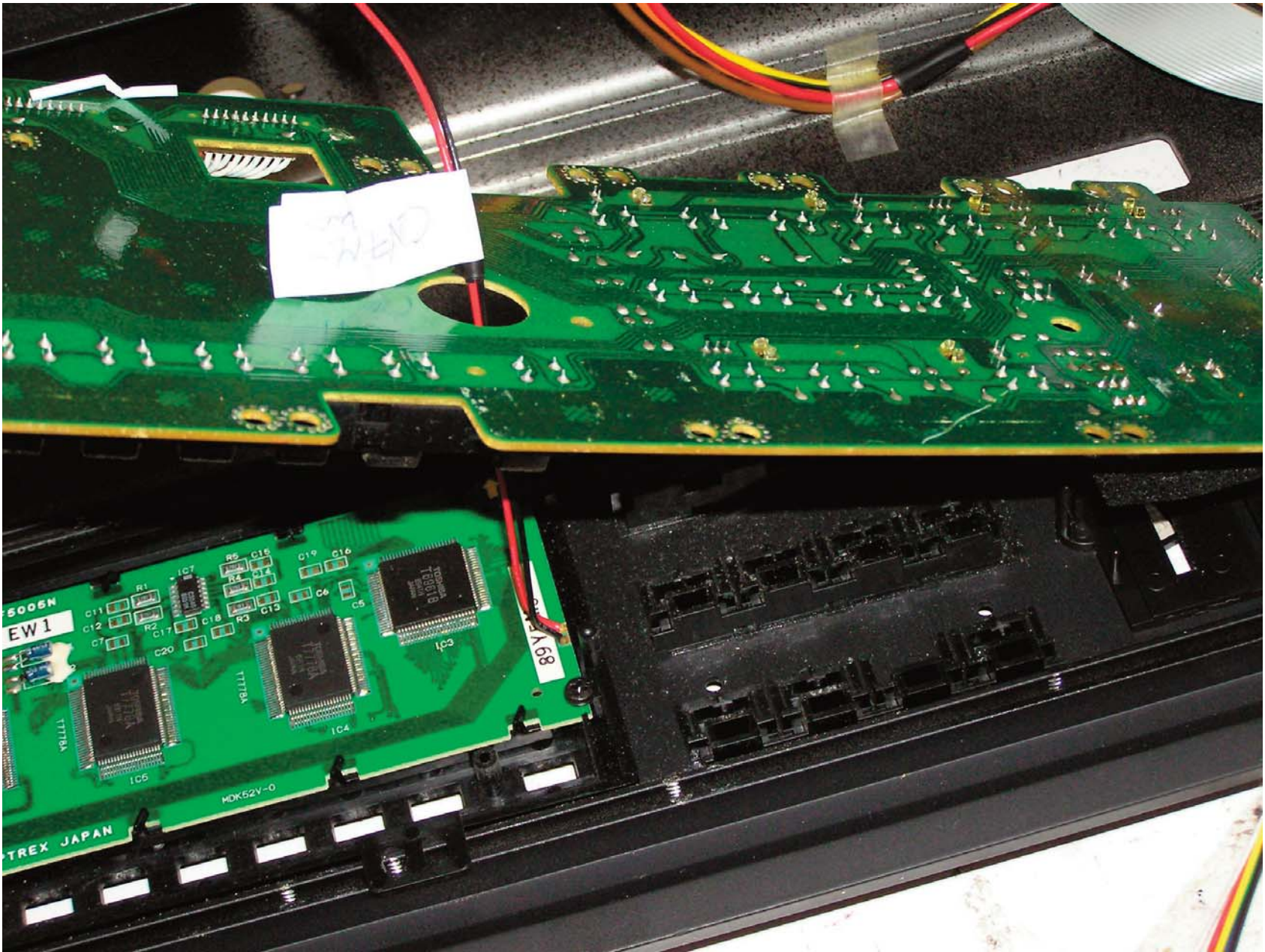
Final main board... all the goldies...



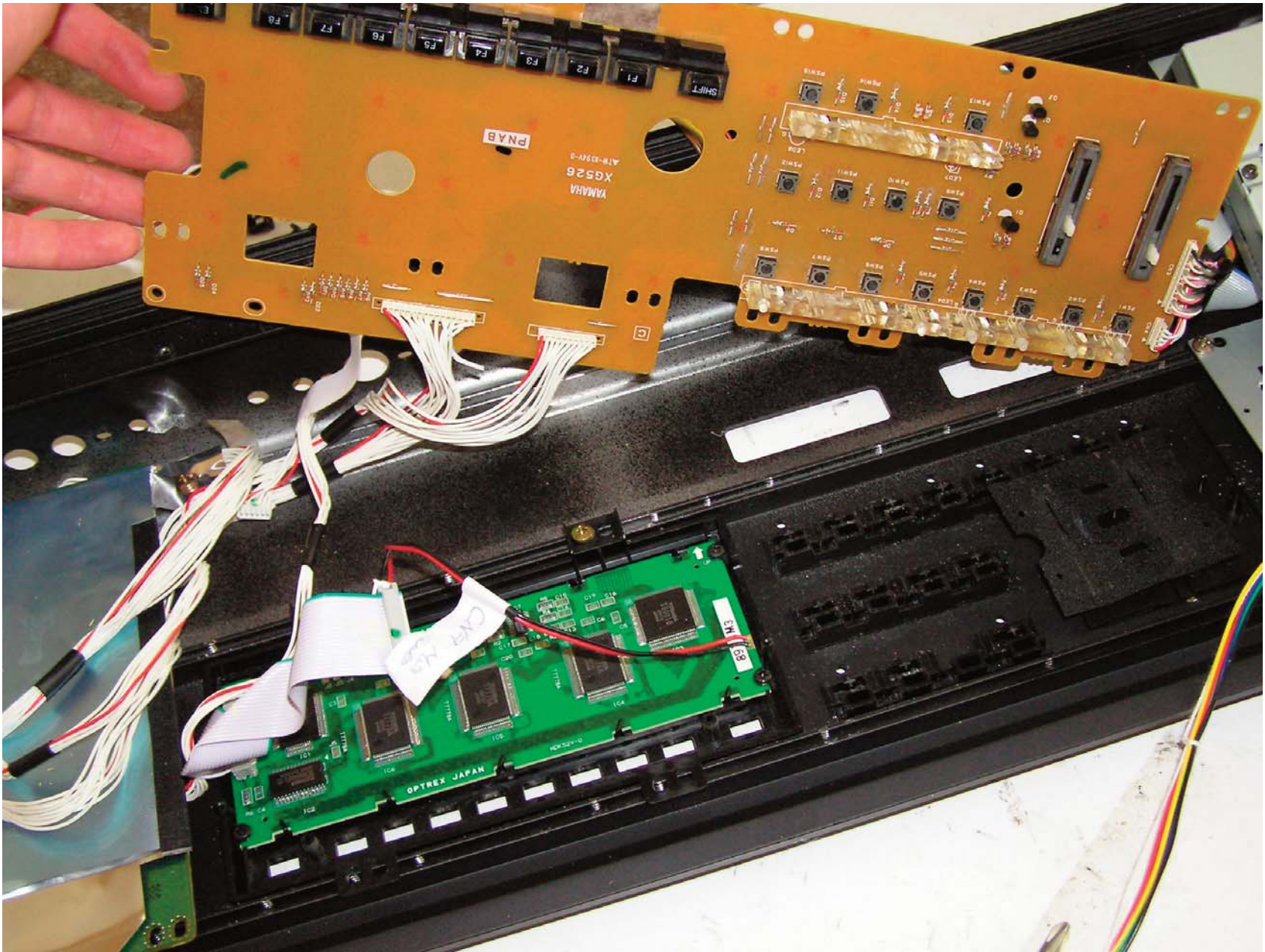
It comes out too



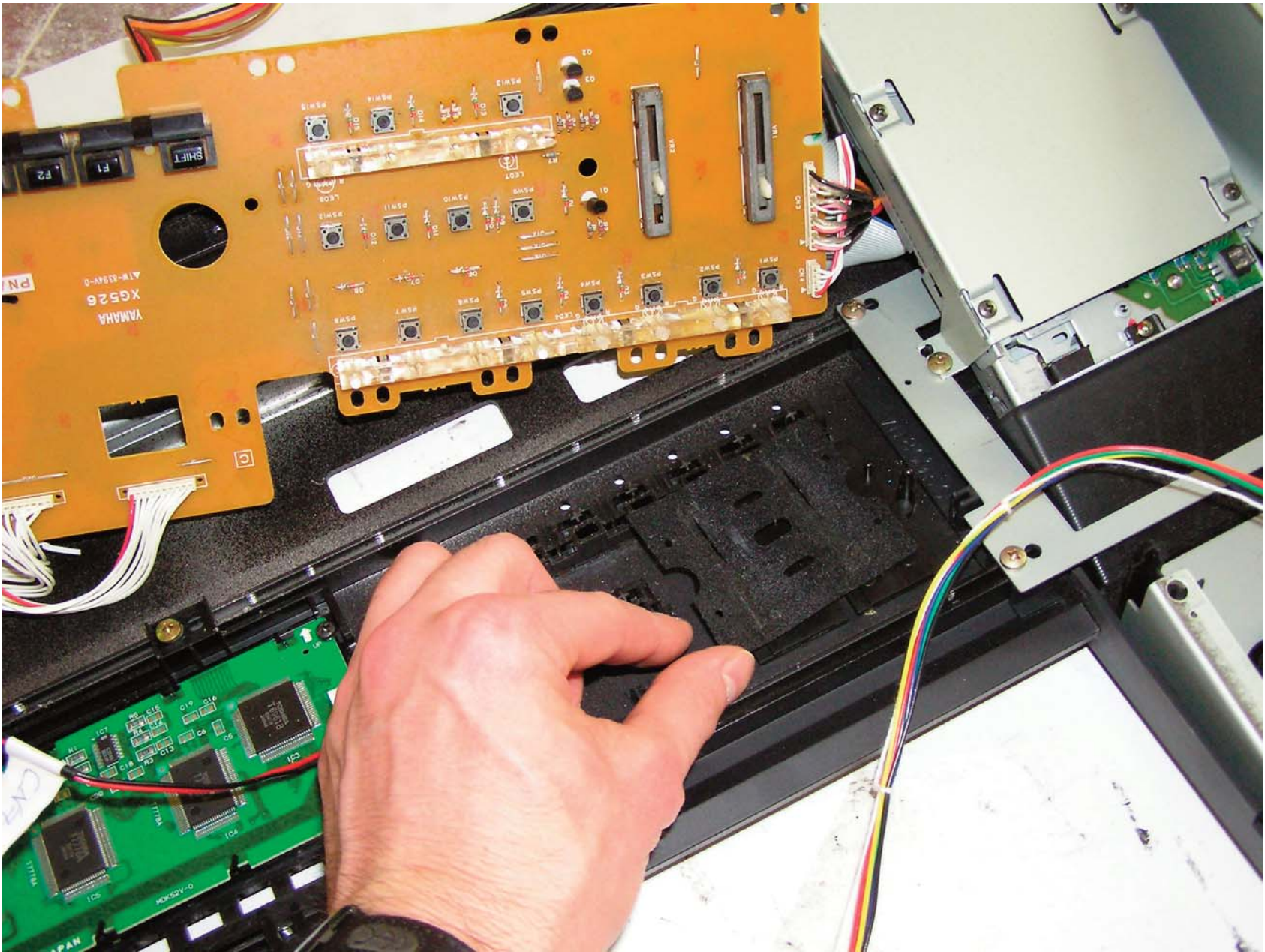
... to reveal the LCD beneath it



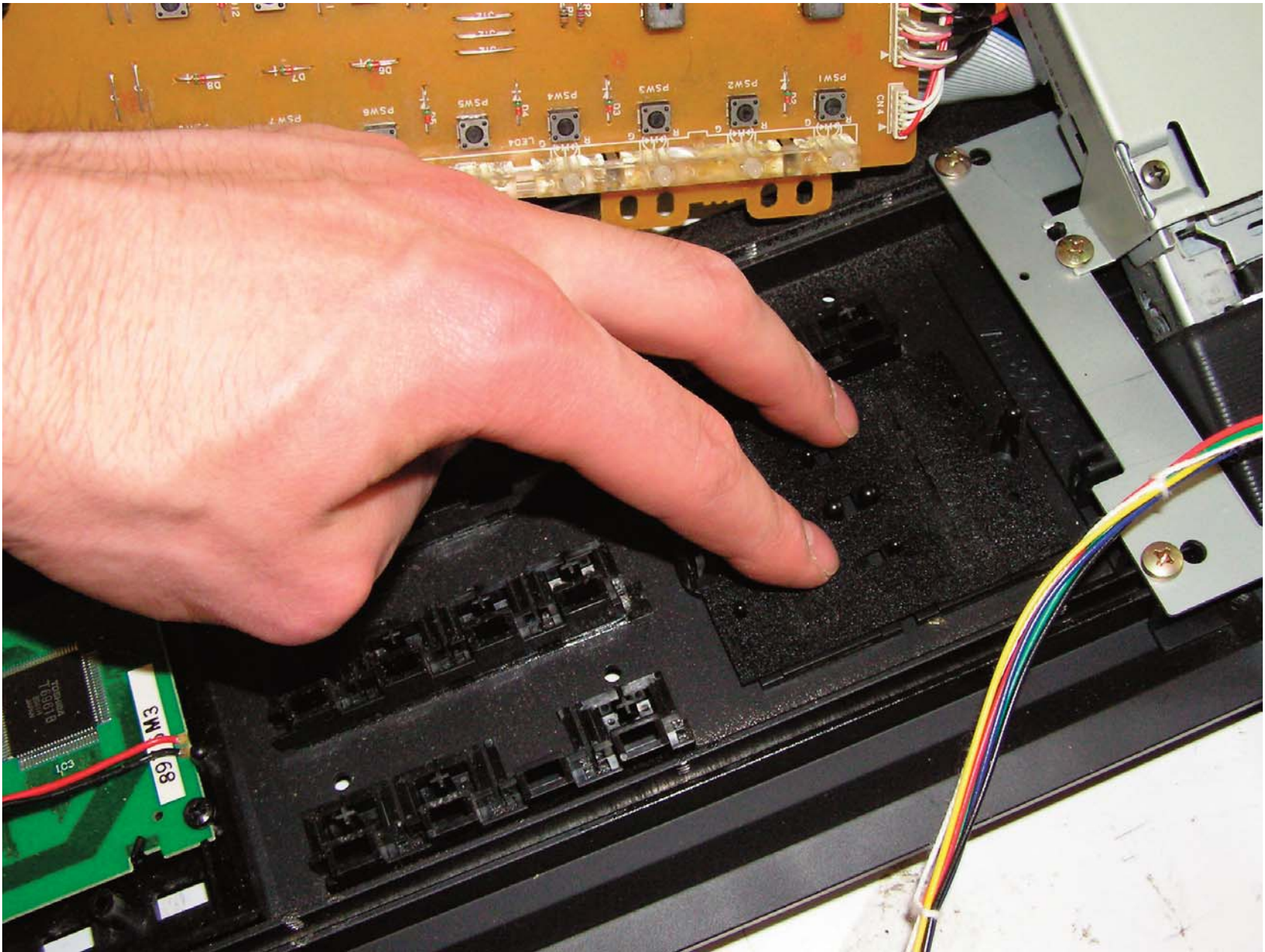
Remember the power for the backlight comes through that hole above it for re-assembly



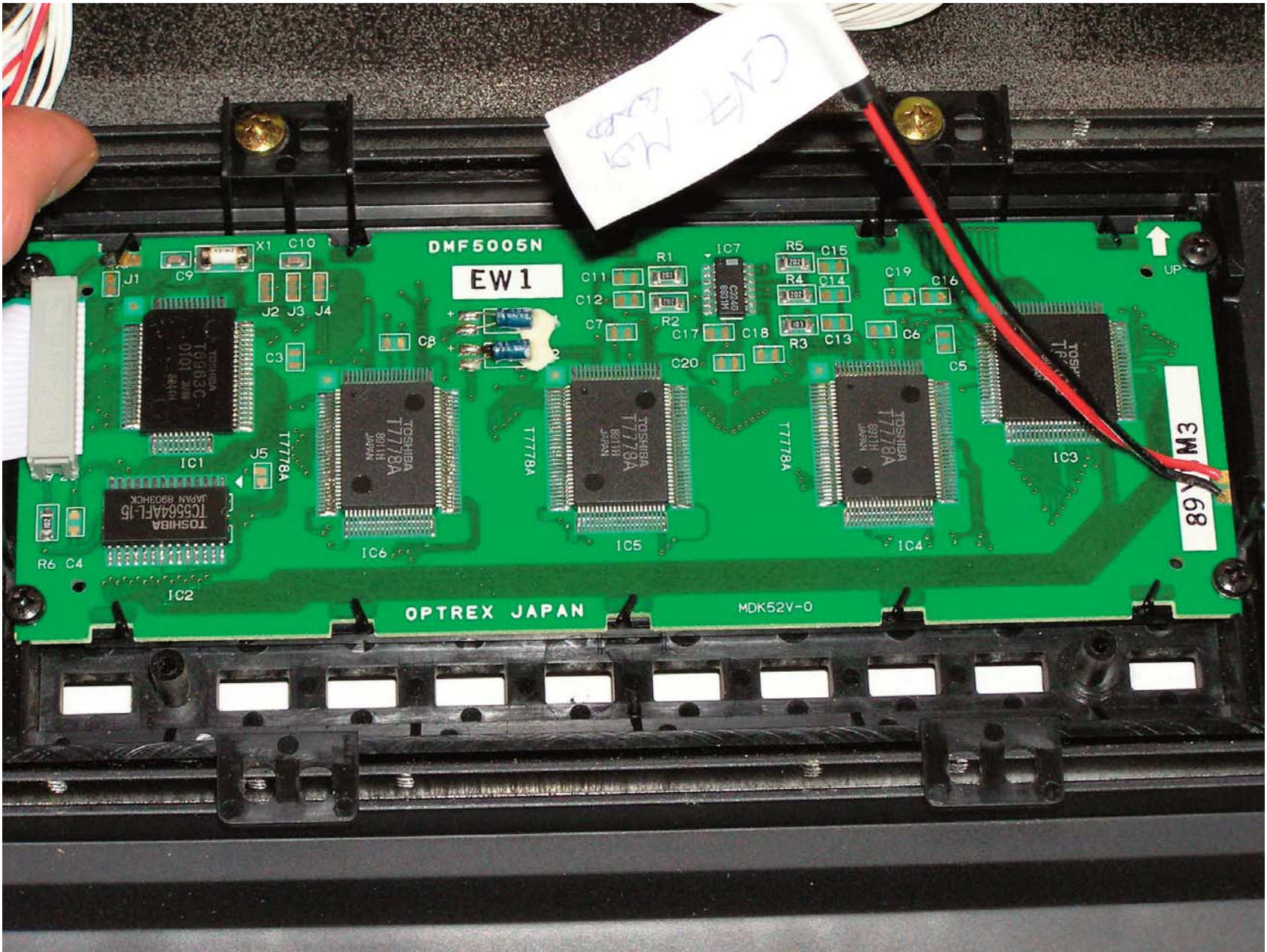
There it is... the LCD Panel



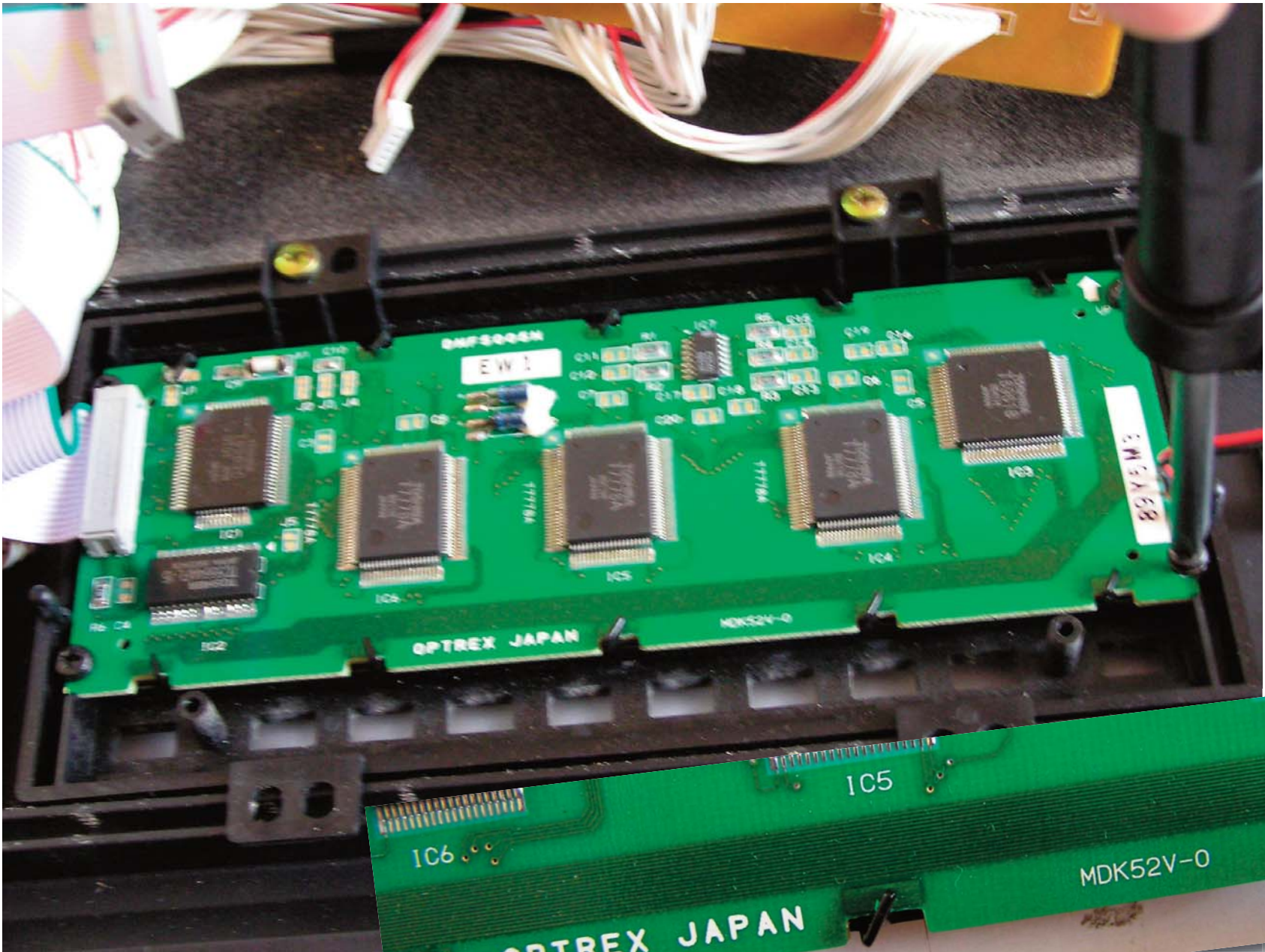
Noticed this menu button shield had moved...



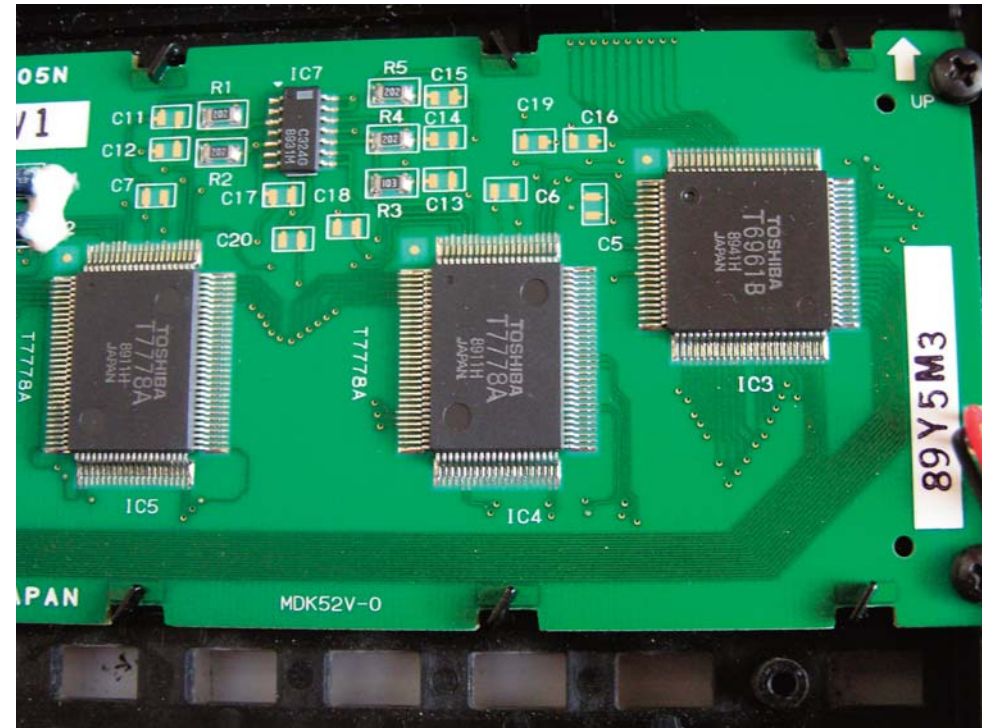
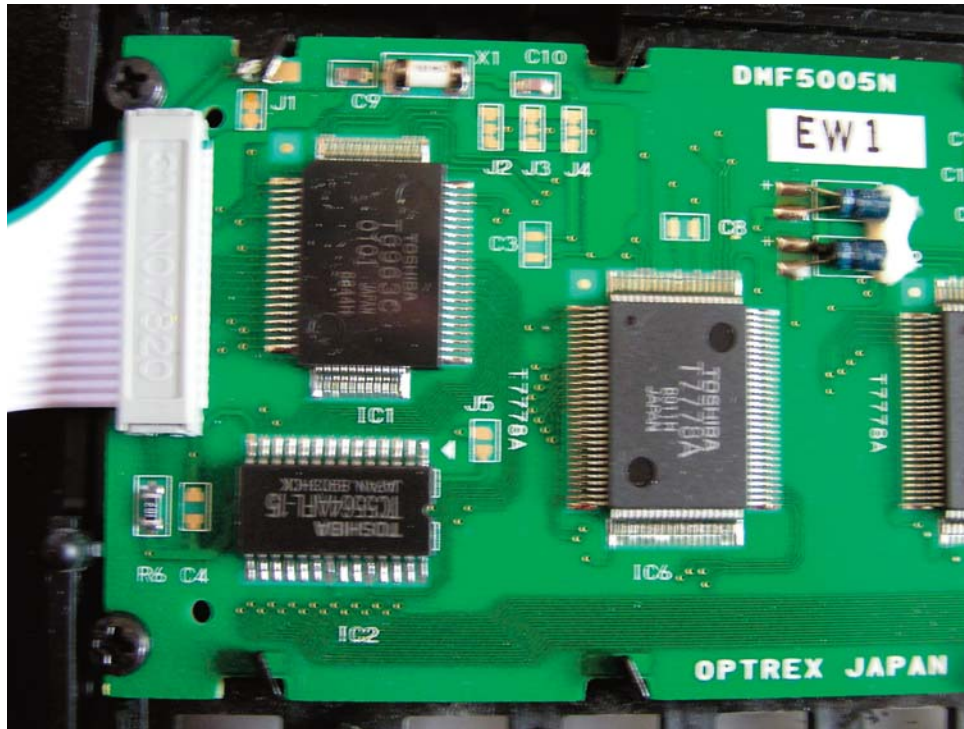
Back in place.



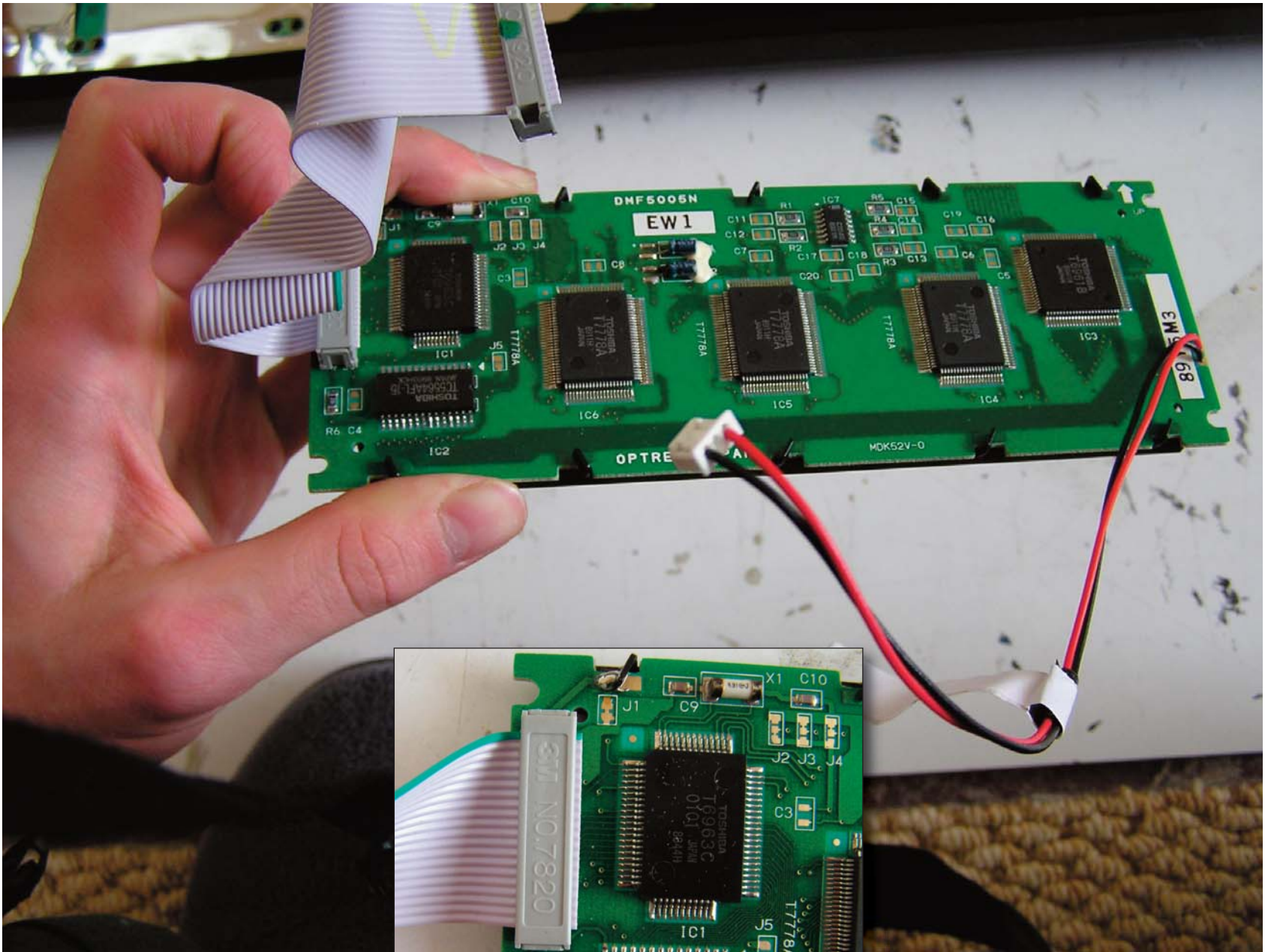
Okay, here's a close-up of the old one



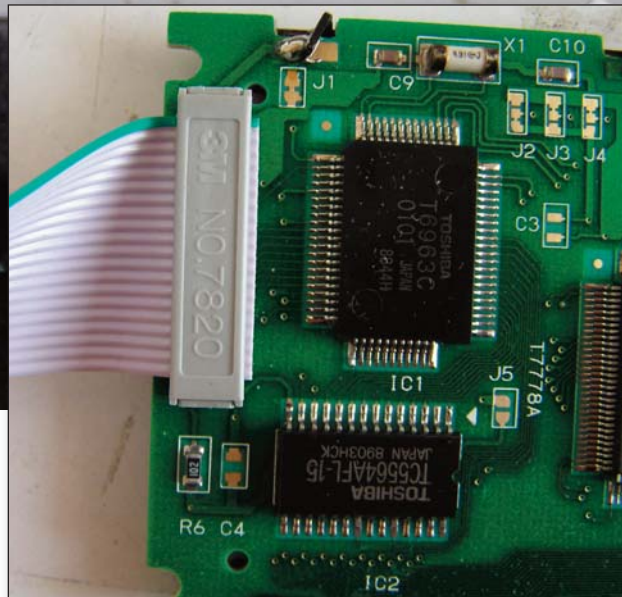
Serial Nos.

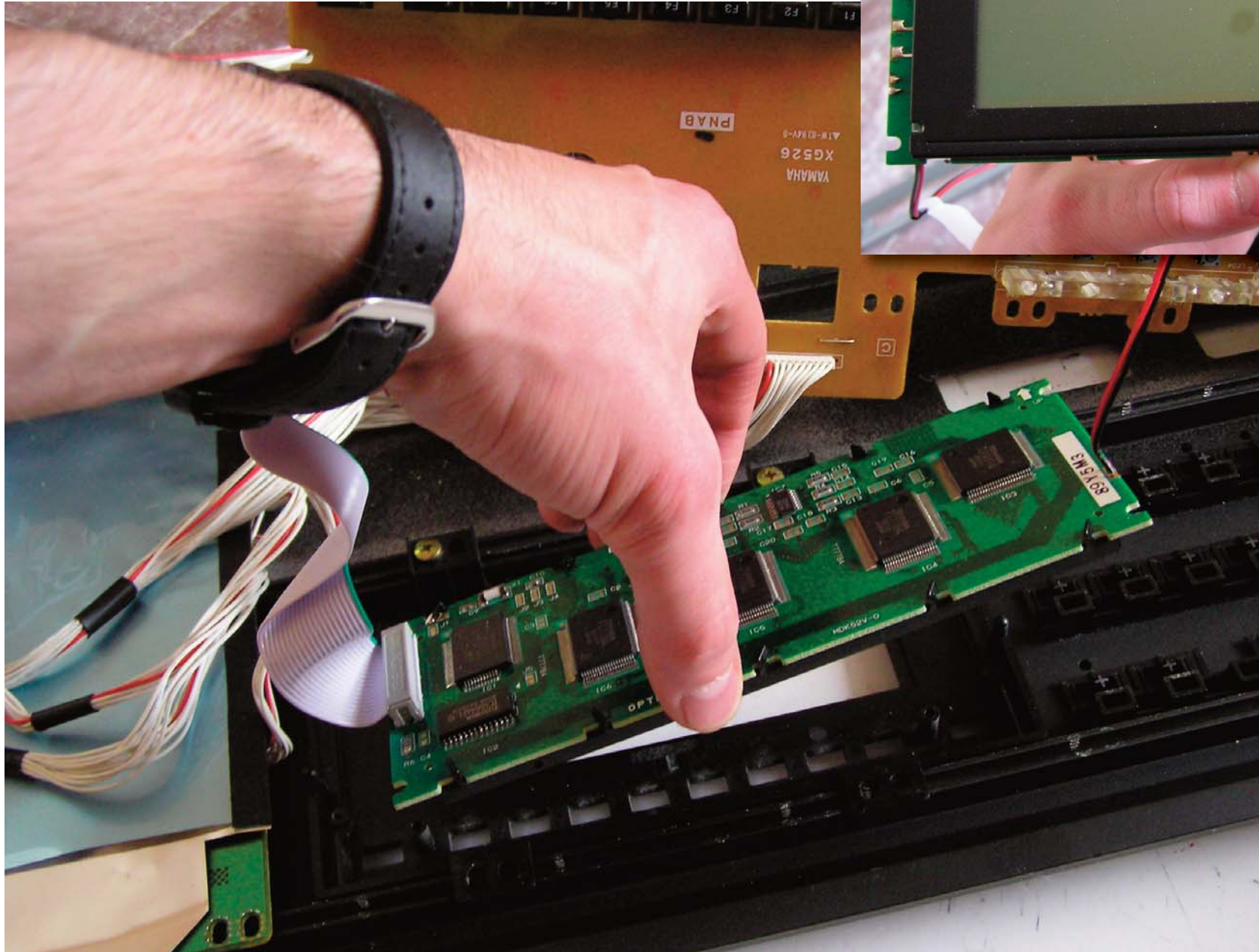


Four black screws in the corner to come out



Text





Lift it
out, eh
voilà.

Now replace with the new & improved version from Telesis...

Telesis Used Gear and Backlights
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USA Tel: (+1) 714-998-3001
E-mail: telesis@telesisgear.com

<http://backlights.telesisgear.com/>



...and work backwards again! Good luck.