

Diving in the walkman



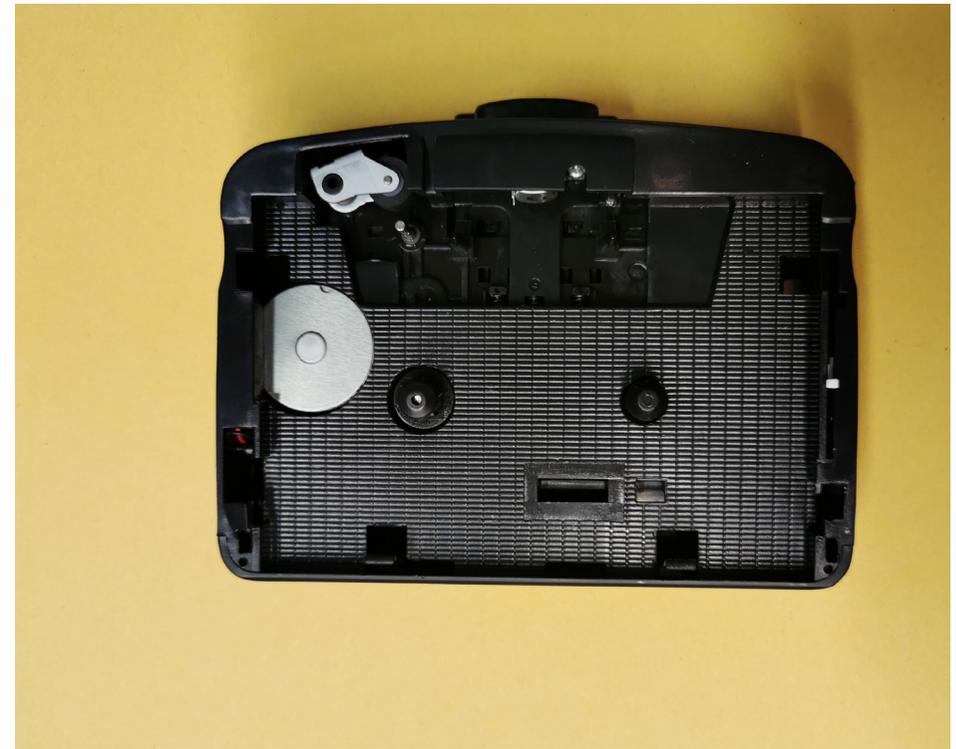
A short guide to controlling the speed of the walkman playback / Part 1



Step 1:
Make sure you have your walkman.
Put batteries in it and test if it works!

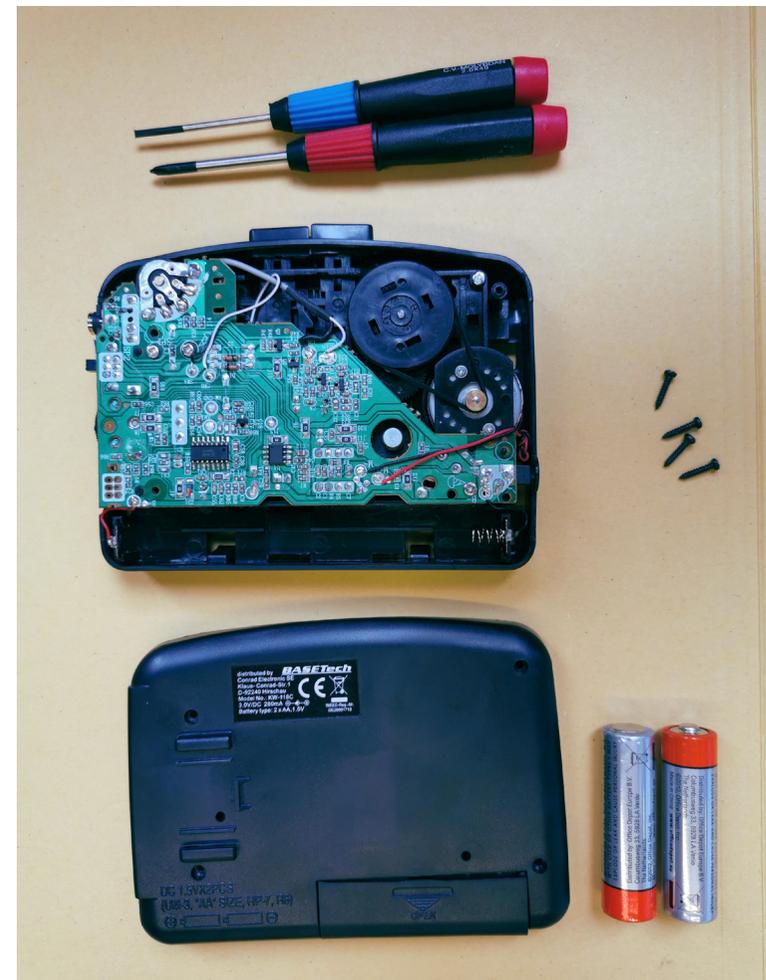


Step 2:
Test the fancy belt clip for a brief enjoyment...
then slide it out (it is located on the back)



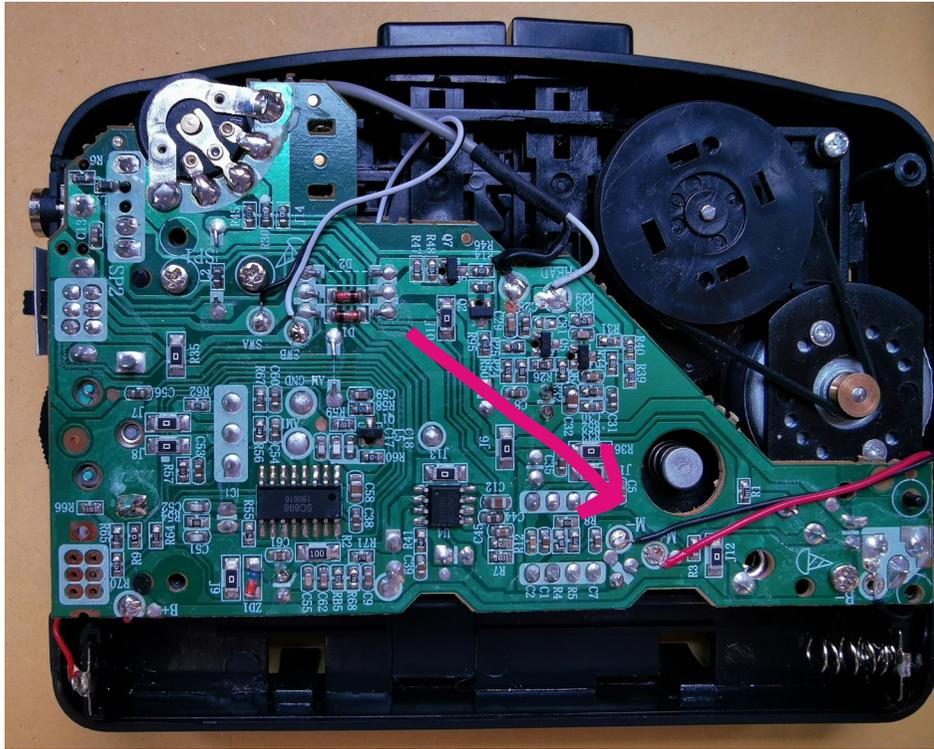
Step 3:
Remove carefully the front panel of
the walkman (aka the door)

**You are left with a walkman without a closing
lid. Good.**

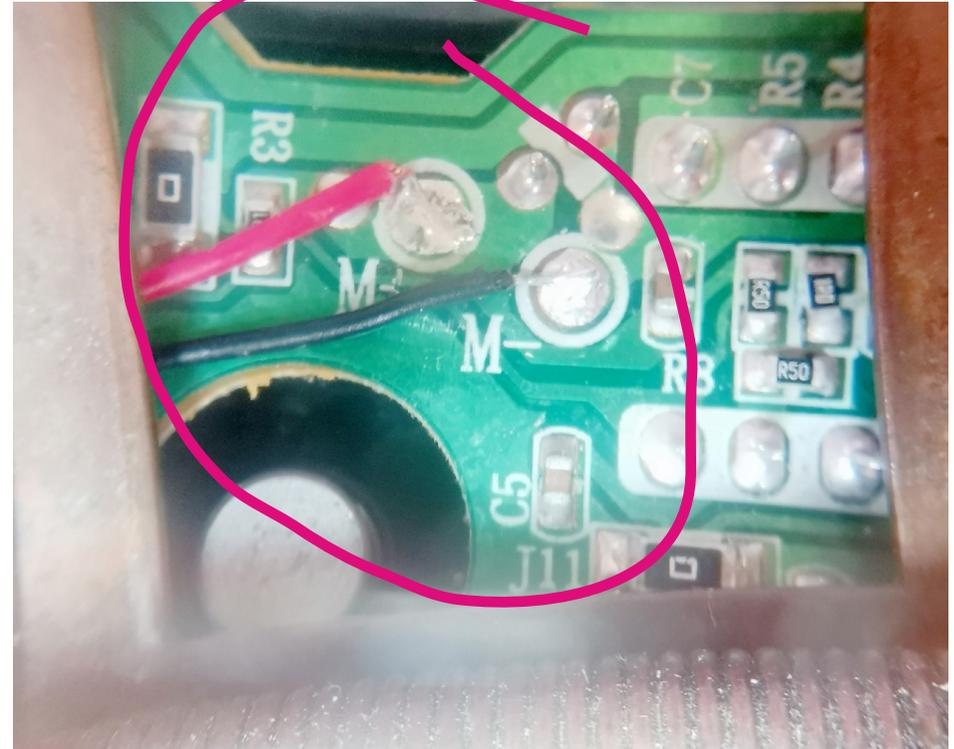


Step 4:
Take out the batteries, take a screwdriver and carefully uncrew the four screws on the back panel.

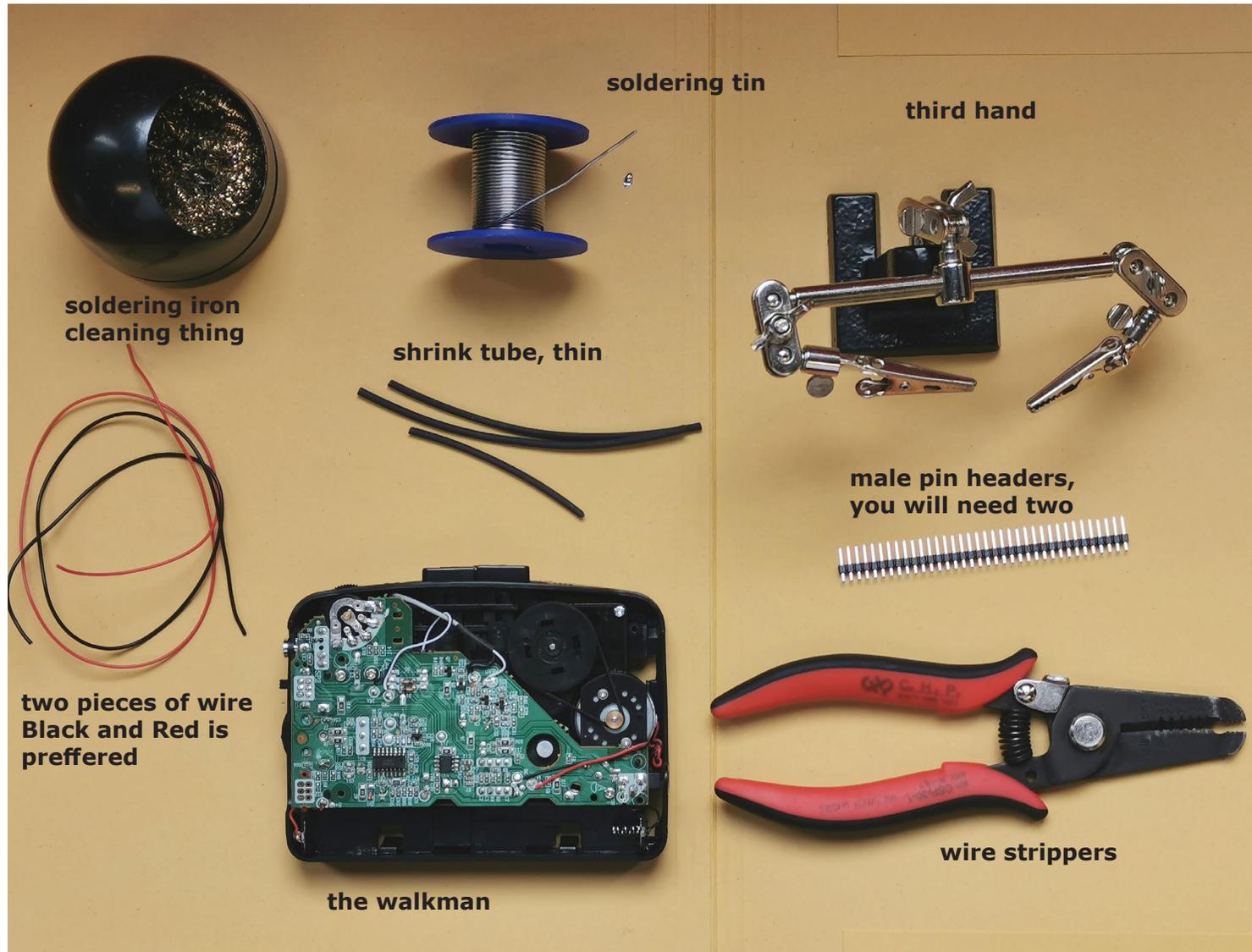
Slowly remove the back panel. Keep the screws safe somewhere, you will need them.



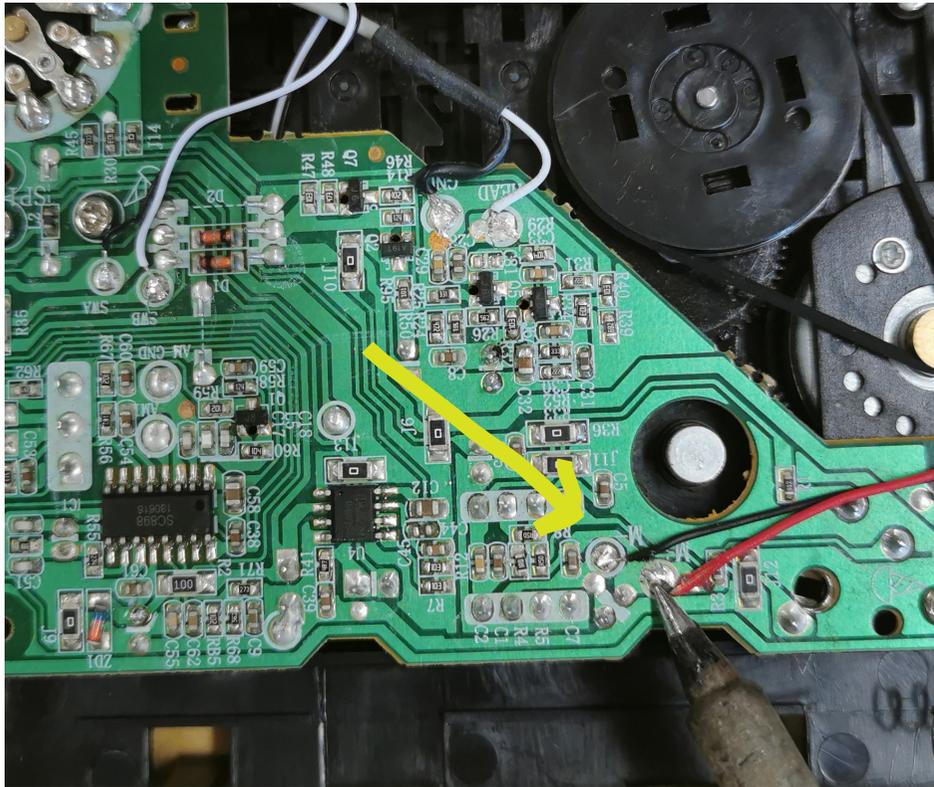
Step 5:
Look into the exposed circuit of the walkman Notice the motor, and it's two wires.



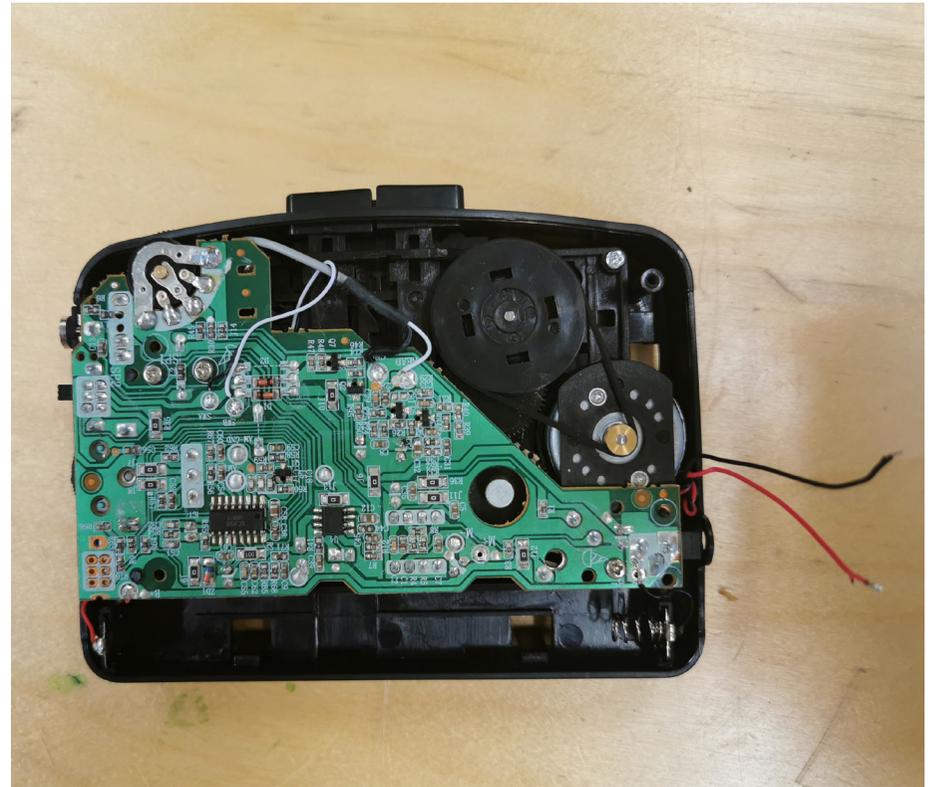
Find the points where the motor that moves the tape is connected to the circuit board. They are marked M- and M+



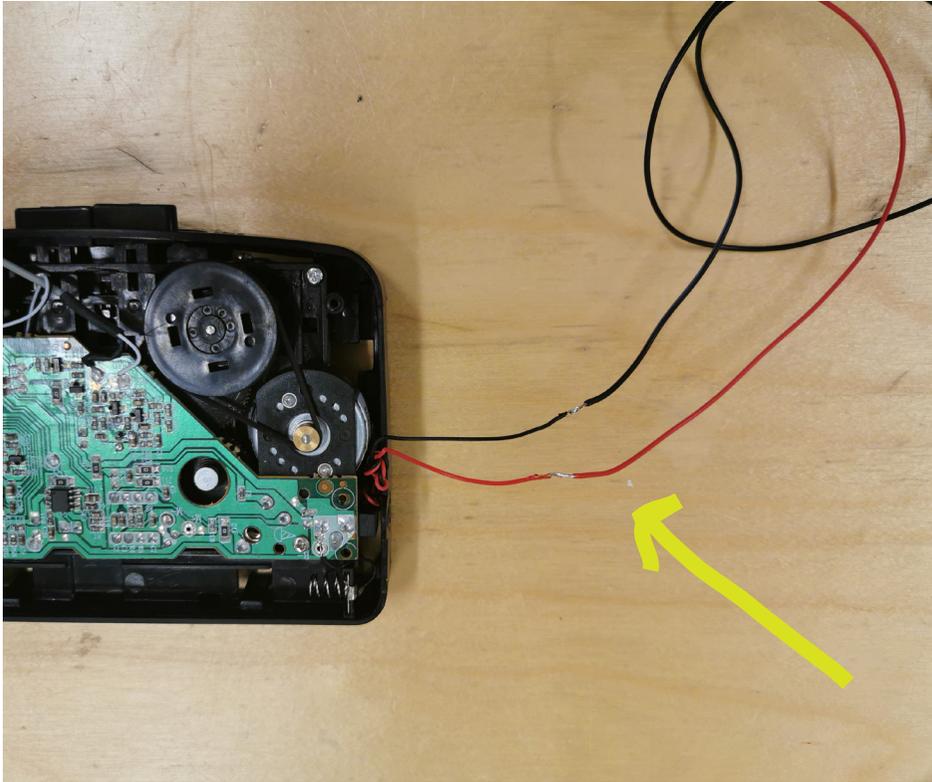
Step 6:
Take all necessary tools and bits to perform a small surgical intervention on your walkman



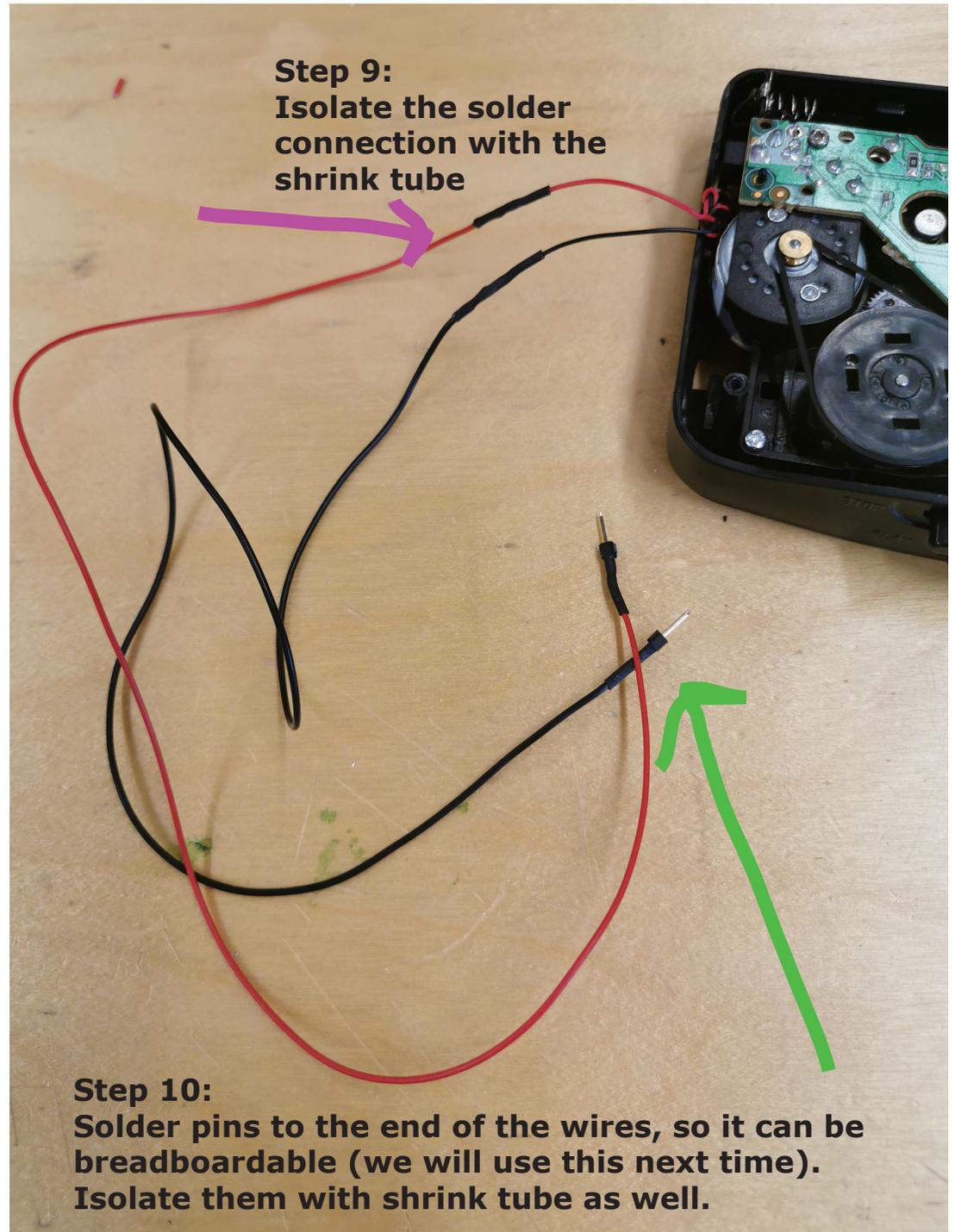
Step 7:
Carefully desolder the motor wires
from the circuit board.



**The desoldered wires will stick out.
You will end up with something similar to the
above.**

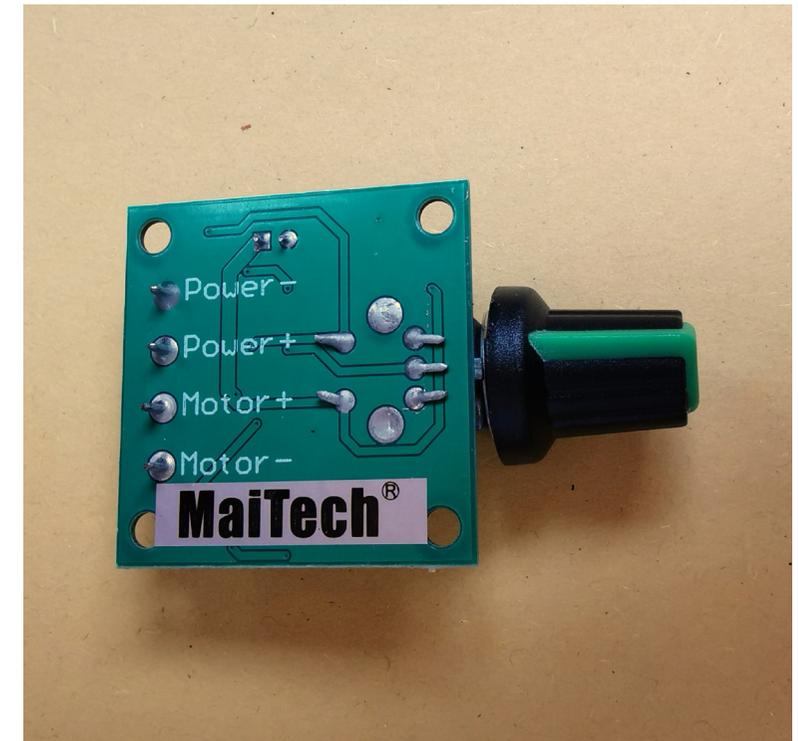
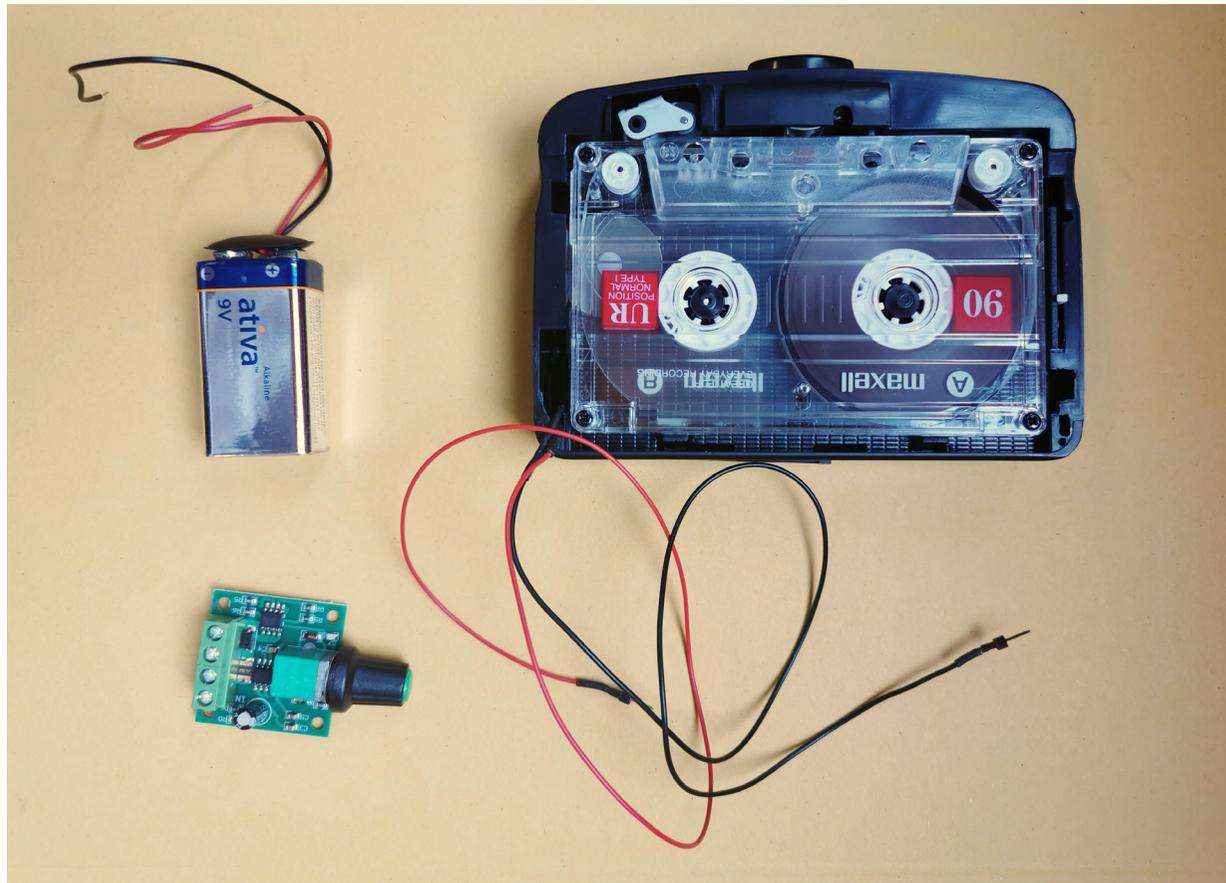


Step 8:
Solder the wires to extend the motor wires.



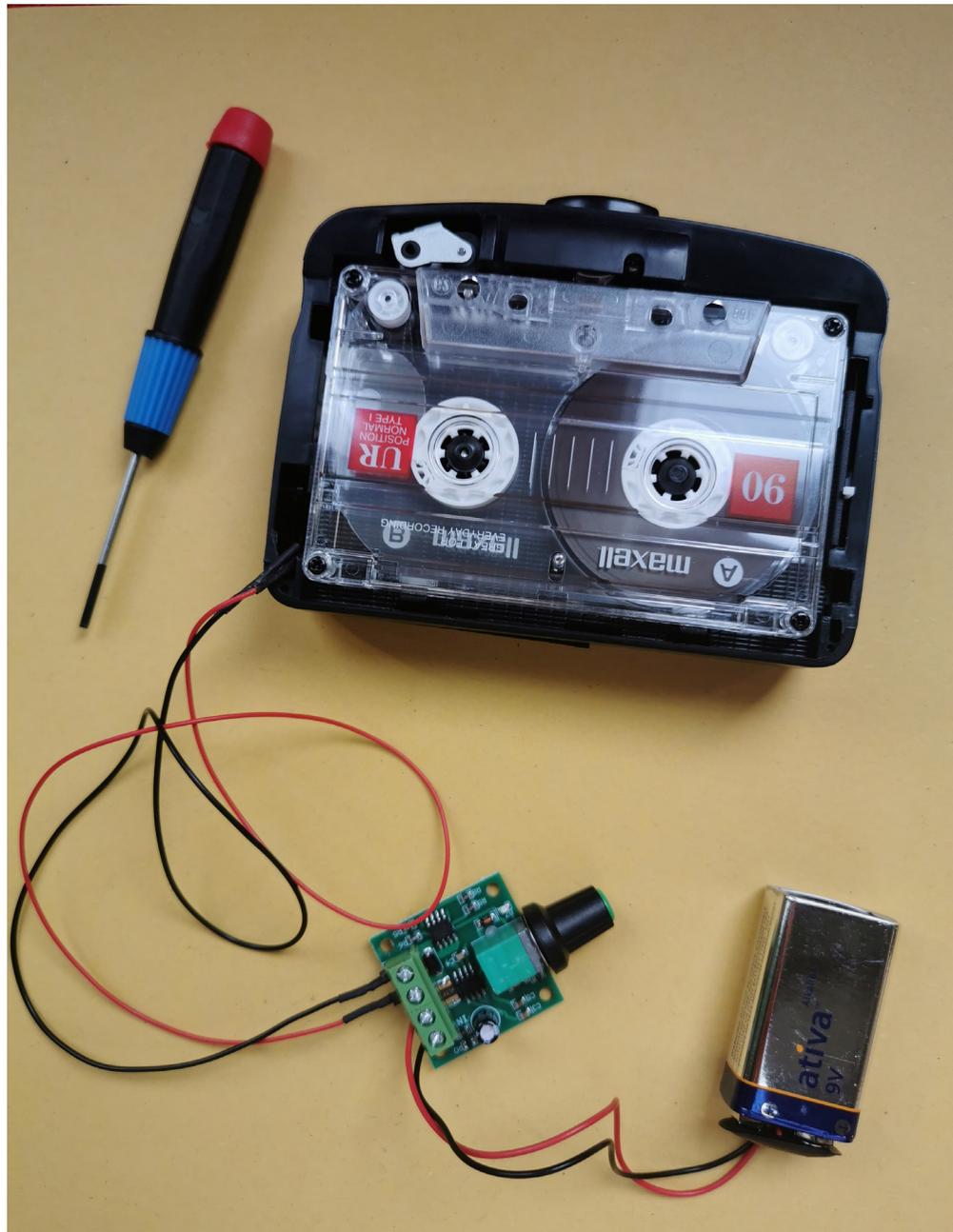
Step 9:
Isolate the solder connection with the shrink tube

Step 10:
Solder pins to the end of the wires, so it can be breadboardable (we will use this next time). Isolate them with shrink tube as well.



Step 11:
Take the motor controller board, a 9V battery and a battery clip.

Step 12:
Have a look at the back of the motor controller module. You will see indicators where to connect the motor + & - as well as the battery (power) + & -



Step 13:
With the support of a screwdriver, afix the extended wires from the motor and the battery clip wires to the motor controller ports. (make sure the module is off when u do that)