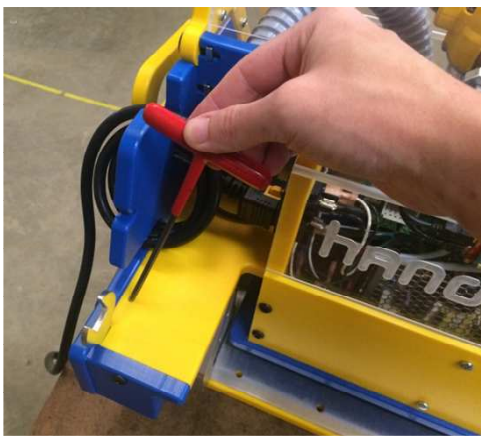
handibot®
smart power tool

Replacing a Motor Driver Card

1 For safety, switch off the power to your Handibot before touching any electronics.

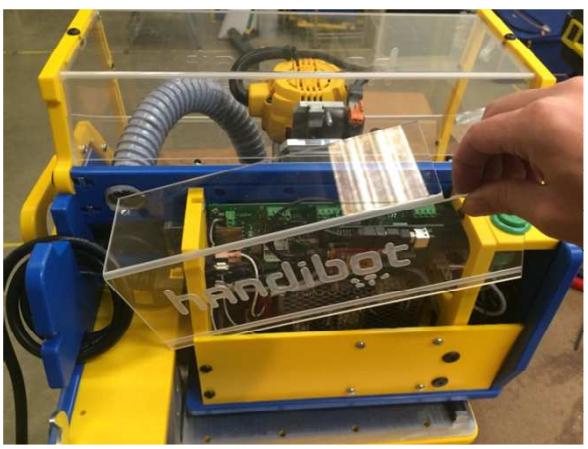
2 Grab your trusty 4mm wrench from the back of the tool.



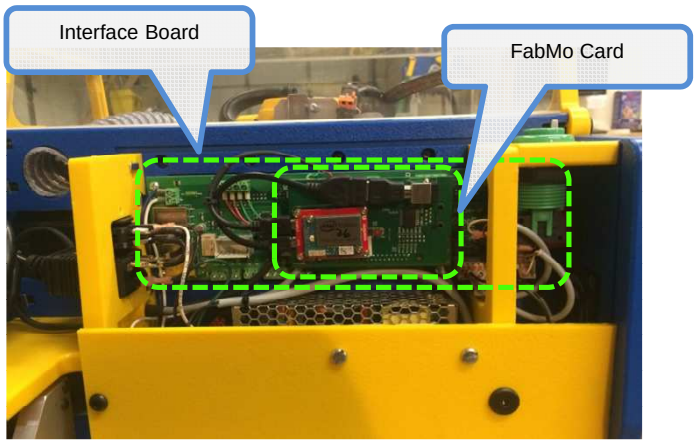
3 Remove the button head screw from the left, top side of the clear electronics enclosure.

4 Slide the electronics enclosure to the left.

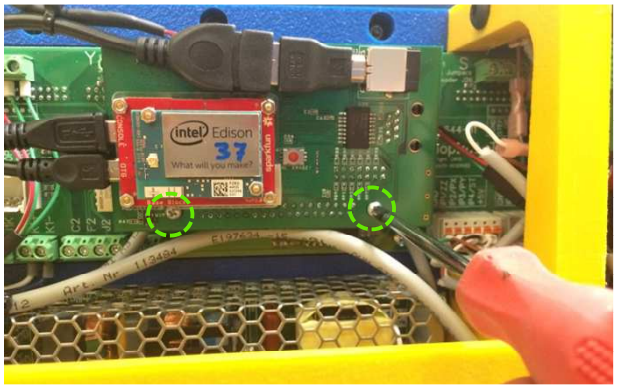
5 Pull the electronics enclosure away from the tool.



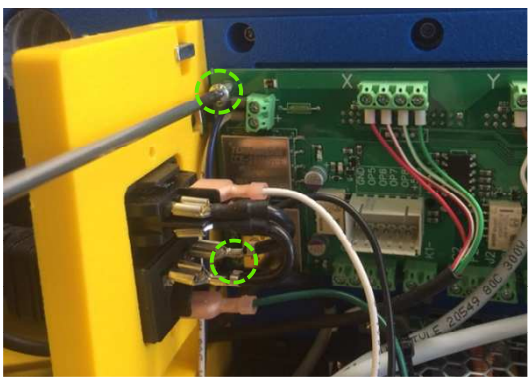
6 You now have access to the FabMo Control Card and Interface Board of your Handibot.



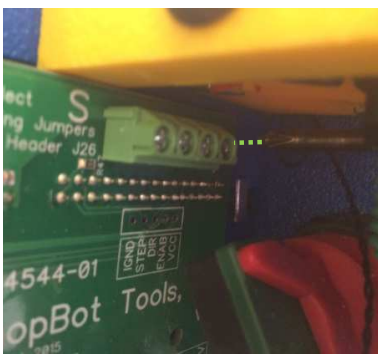
7 Remove the two phillips head screws holding the FabMo control card in place. Gently pull the FabMo card off of the interface board.



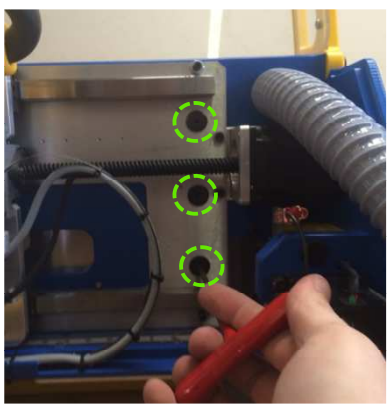
8 Remove two of the four screws holding the interface board in place.



9 Remove the remaining two screws. One of them is slightly hidden behind the green plastic button.

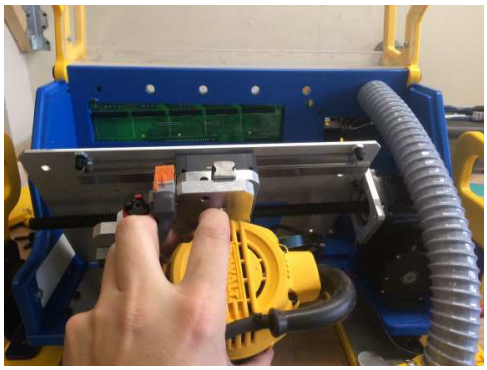


10 Rotate the tool so that you are looking at the front. Use your 4mm wrench to remove three of the screws holding the large aluminum plate in place



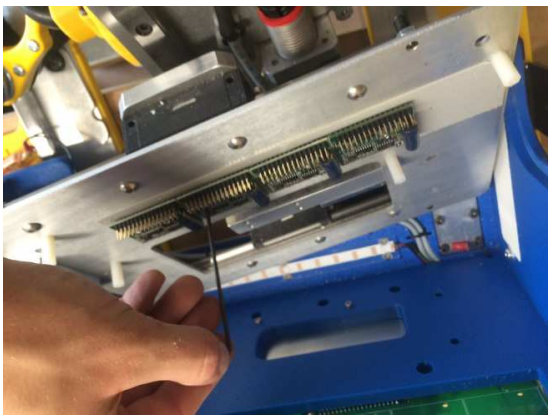
11 Push the router out of the way and remove the remaining three screws. Be careful to hold onto the router so that it does not fall forward when the last screw is removed.

12 Carefully pull the plate out of the tool by pulling on the router. The driver cards will be pulled out of the interface board as you do this—gently rock the plate back and forth if it is hard to remove

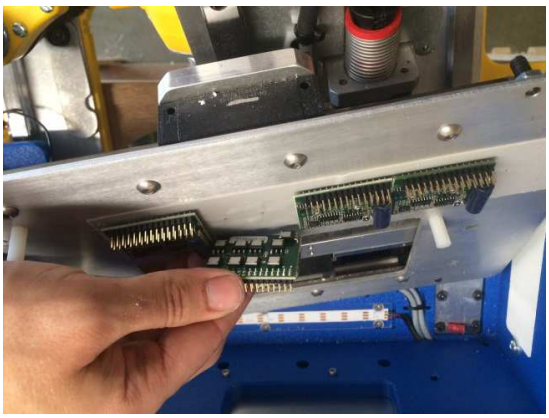


13 On the back of the plate, you should be able to see four driver cards bolted in place

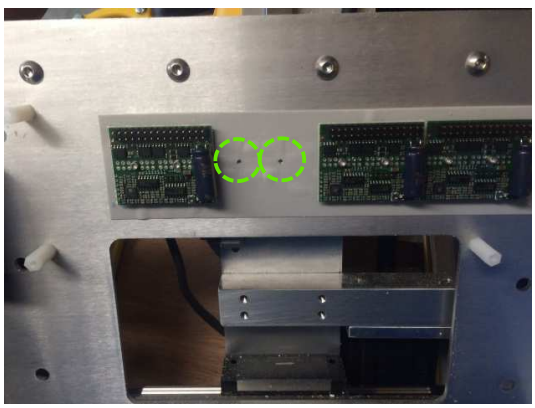
14 Using a 5/64” or 2mm hex key, remove the two screws holding the driver that you want to replace.



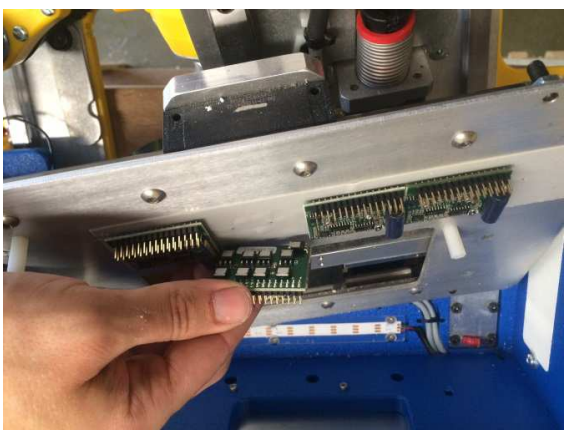
15 With the two screws removed, you should be able to lift the driver off of the heat dissipating strip affixed to the back of the metal plate.



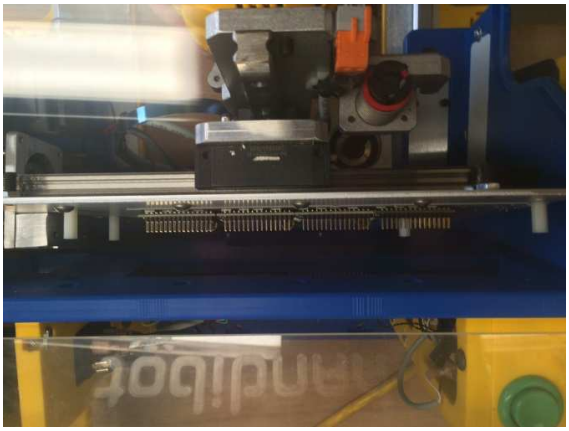
16 Notice the two holes in the strip where the driver was previously. The mounting screws for your new driver will need to thread into these same holes.



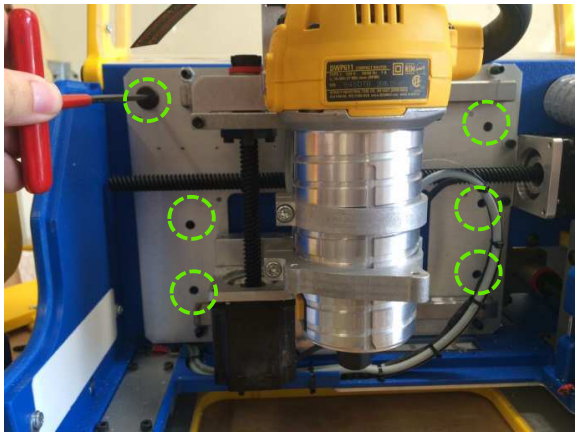
17 Press your new driver into place on the adhesive strip and reinsert the two mounting screws.



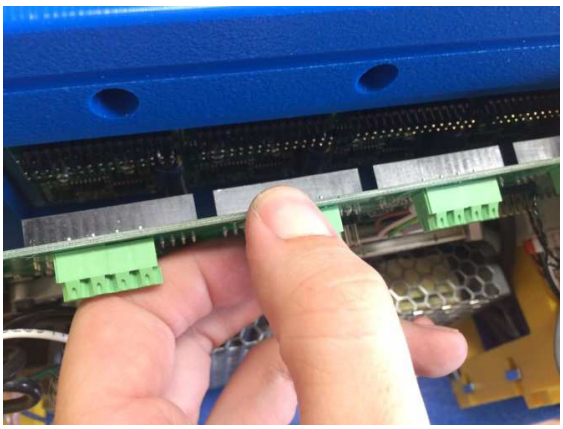
18 Carefully push the metal plate back into place on the tool mid-wall.



19 Reinsert all 6 screws holding the metal plate against the mid-wall.

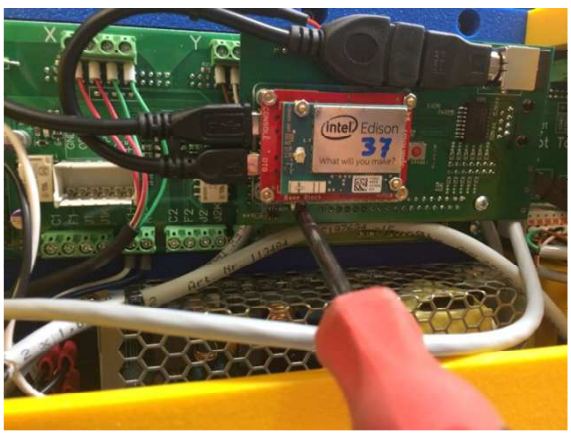


20 From the back of the tool, carefully align the sockets on the interface board with the pins on the motor driver cards.



21 Reinsert all four screws to lock the interface board in place.

22 Re-attach the FabMo card with the two phillips head screws.



23 Replace electronics cover.