

# Install Rear Panel CPII Product P/N 108710

Procedure P/N 110911 REV 0



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**Tools required:** Phillips screwdriver, 11/32" socket wrench with a long extension, wire clippers and a grounding wrist strap.



Step 1: Un-plug and turn off the machine.



Step 2: Place the machine on its back, and remove the (1) screw on the bottom of the right cover.



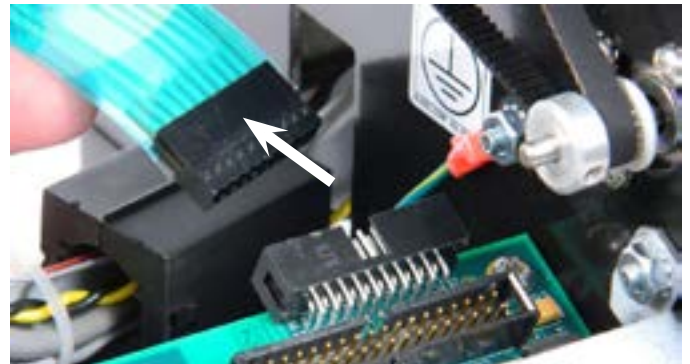
Step 3: Place the machine right-side-up. Remove the (2) screws and slide the right end cover off by pulling straight out.



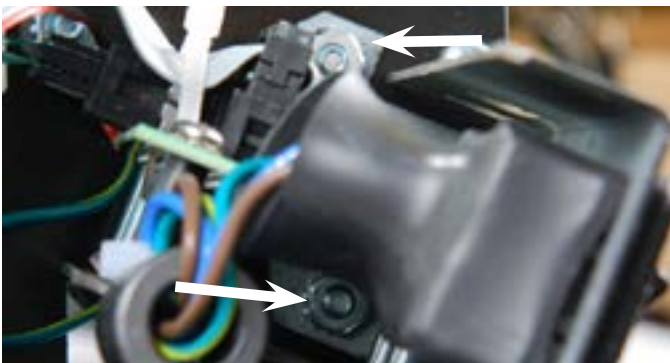
Step 4: With wire clippers, cut the cable tie so the ribbon cable can be pulled out.



Step 5: Pull the gray ribbon communication cable up and release it from the receptor (pins).



Step 6: Pull the green key pad cable out from the receptor as shown. NOTE: Mark the top of the clip with the word (UP) for re-connecting later.



Step 7: A side view of the rear panel assembly showing the (2) locking nuts that will need to be removed.



Step 8: With the 11/32" socket wrench and extension, remove the bottom locking nut. This does take some dexterity and patience.



Step 9: With the same socket wrench remove the upper locking nut.



Step 10: With the 1 1/32" socket wrench, unscrew the locking nut holding the ground wire and remove the wire from the end plate.



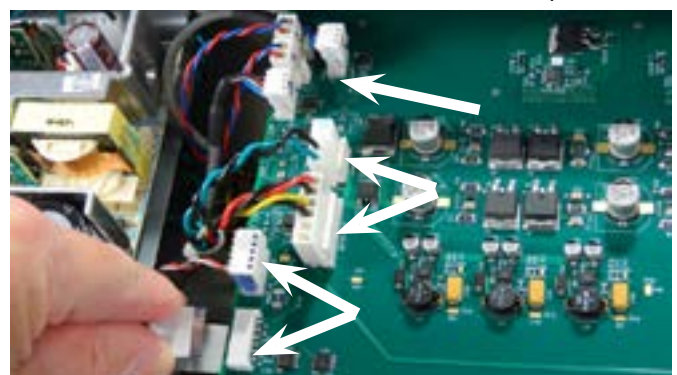
Step 11: Turn the CPII over (needs support to hold the machine stable), remove all (7) screws from the bottom pan and place the cover aside. **NOTE: You can lean the CPII on its side.**



Step 12: Place the rear panel on the table. **NOTE:** You will need to remove the main PCB board to remove the black sleeved wire that connects to the rear panel.



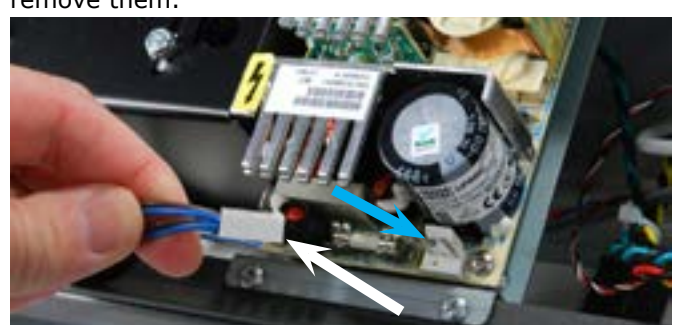
Step 13: You need to remove the X and Y connectors and the communication cable from the main board. Pull blue tabs away from middle of connector to loosen (yellow arrows). **NOTE: It will help if you label the X and Y before you remove them.**



Step 14: Remove all 7 connectors and the ribbon cable from the board. **NOTE:** It will help if you label the sorter bowl connectors (1,1 and 2,2) before you remove them.



Step 15: You can now remove the (3) screws that hold the main PCB board and place to the side on an anti static bag or card board. **NOTE: Anti static wrist strap is needed.**



Step 16: Un-plug the power connector wire (white arrow) from the power supply unit (blue arrow).



Step 17: You can now pull the black sleeved wire from under the power supply, remove the wire from the white nylon clips that are attached to the inside of the platen.



Step 19: You are now ready to attach the new rear panel.



Step 21: The connector (red arrow) goes behind the power supply and out in front (Step 22). The other connector (white arrow) is not used. It is for a second power supply if added.



Step 23: The connector is shown plugged into the receptor on the power supply.



Step 18: Continue to pull the wire through the hole in the right end plate until it clears. You can place the old rear panel aside.



Step 20: The white arrow points to the slot in which the power cable passes through.



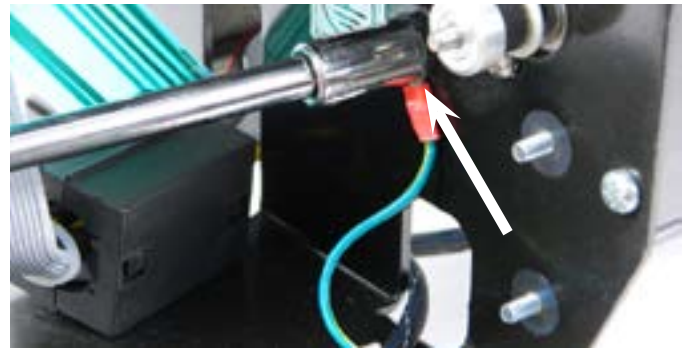
Step 22: This shows the connector wrapped behind the power supply and is ready to be plugged in. See step 23.



Step 24: **NOTE: Wrist strap needed.** Place the board back in the platen and insert the 3 screws as shown.



Step 25: Insert all (9) white connectors and the (2) ribbon cables back into the board. Place the bottom pan back on and secure with all 7 screws. Turn the machine back on its feet.



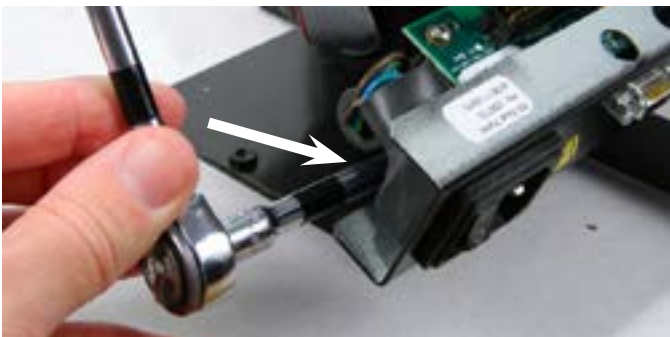
Step 26: Attach the rear panel grounding wire with the locking nut and tighten. **NOTE: You will need to hold with one finger the wire as you tighten the locking nut.**



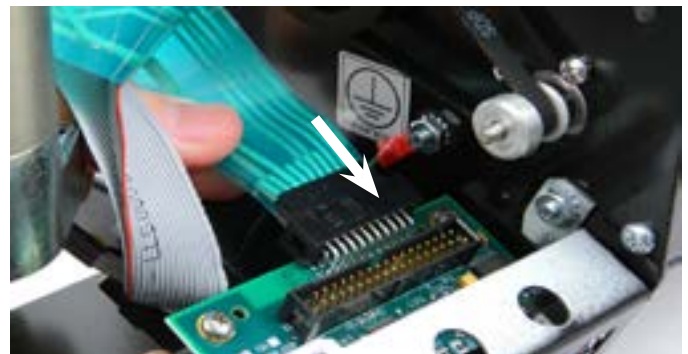
Step 27: Align the rear panel holes and slide it over the threaded studs (white arrows).



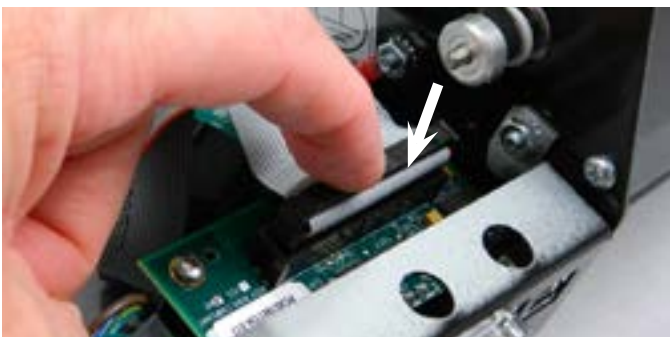
Step 28: Attach the top locking nut by hand at first to the top threaded stud, then tighten down with the socket wrench.



Step 29: Place the locking nut into the socket end of itself, then insert the wrench extension onto the bottom threaded stud and tighten. This takes a bit of patience.



Step 30: Key pad ribbon cable is inserted into the PCB rear panel board. **NOTE: This cable MUST be centered and inserted fully.**



Step 31: The communication cable is pressed down firmly.



Step 32: Plug in the power cord and the communication cable and turn on to test. The carriage should move with all the lights on. A green light on the key pad will stay on when complete. ...FINISHED.