



ST/STR: 6kV, 8kV, 10kV Polarity Reversal Procedure

WARNING
THIS EQUIPMENT GENERATES DANGEROUS
VOLTAGES THAT MAY BE FATAL!

WARNING
DO NOT OPEN OR TOUCH ANYTHING INSIDE THE POWER SUPPLY UNTIL:

- A) LINE INPUT POWER SOURCE IS REMOVED
- B) SET REAR PANEL CIRCUIT BREAKER TO "OFF" POSITION
- C) DISCHARGE INTERNAL HV CAPACITANCE BY SHORTING OUTPUT TO GROUND
- D) WAIT 5 MINUTES TO ALLOW RESIDUAL CHARGE IN AC INPUT CAPACITANCE TO DISCHARGE

PROCEED WITH CAUTION AND SHORT ALL POINTS TO GROUND BEFORE MAKING PHYSICAL CONTACT.

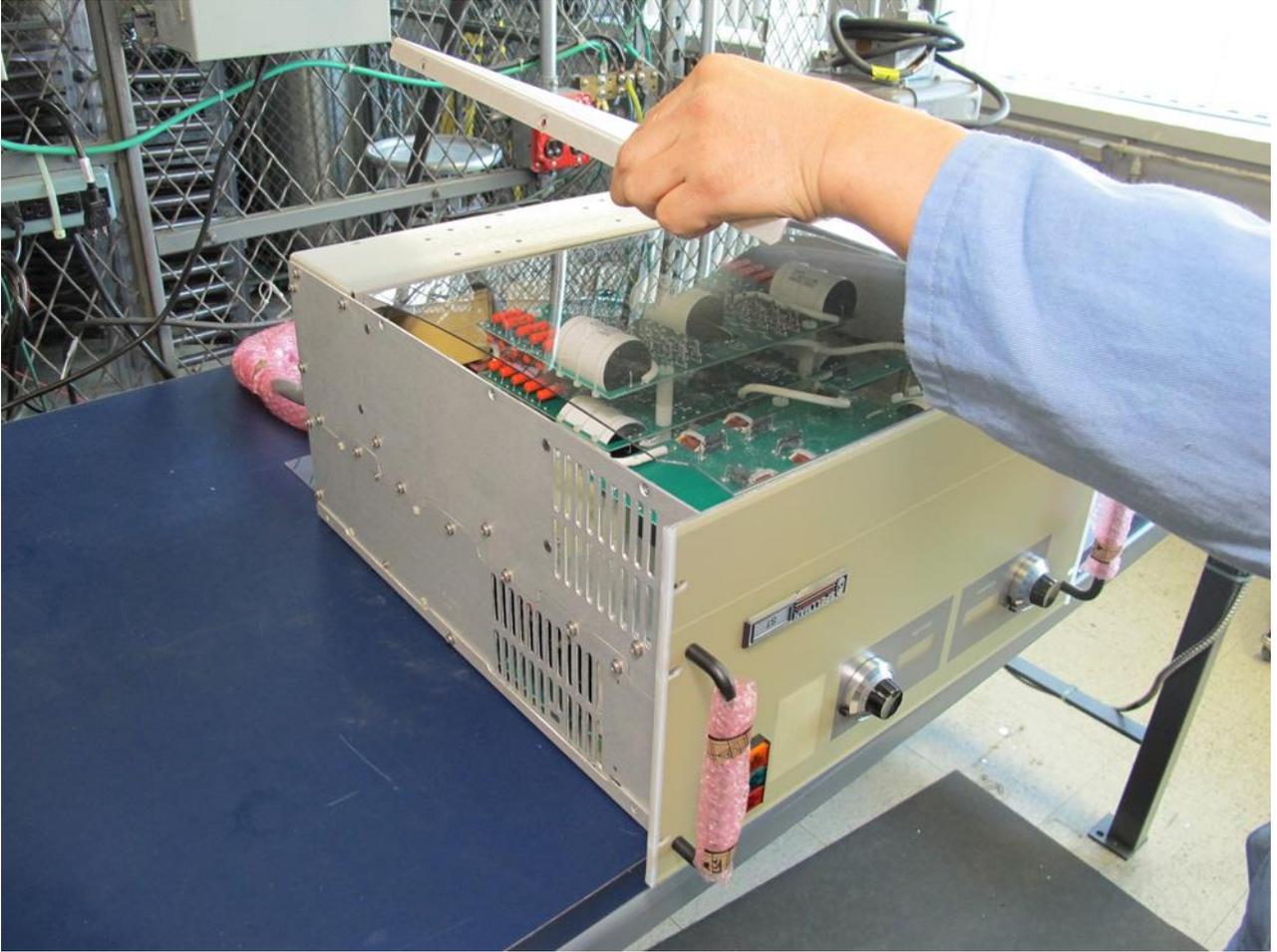
Differences between the number of components on the 6kV, 8kV, and 10kV HV boards may exist, but the basic method to change polarity remains the same.



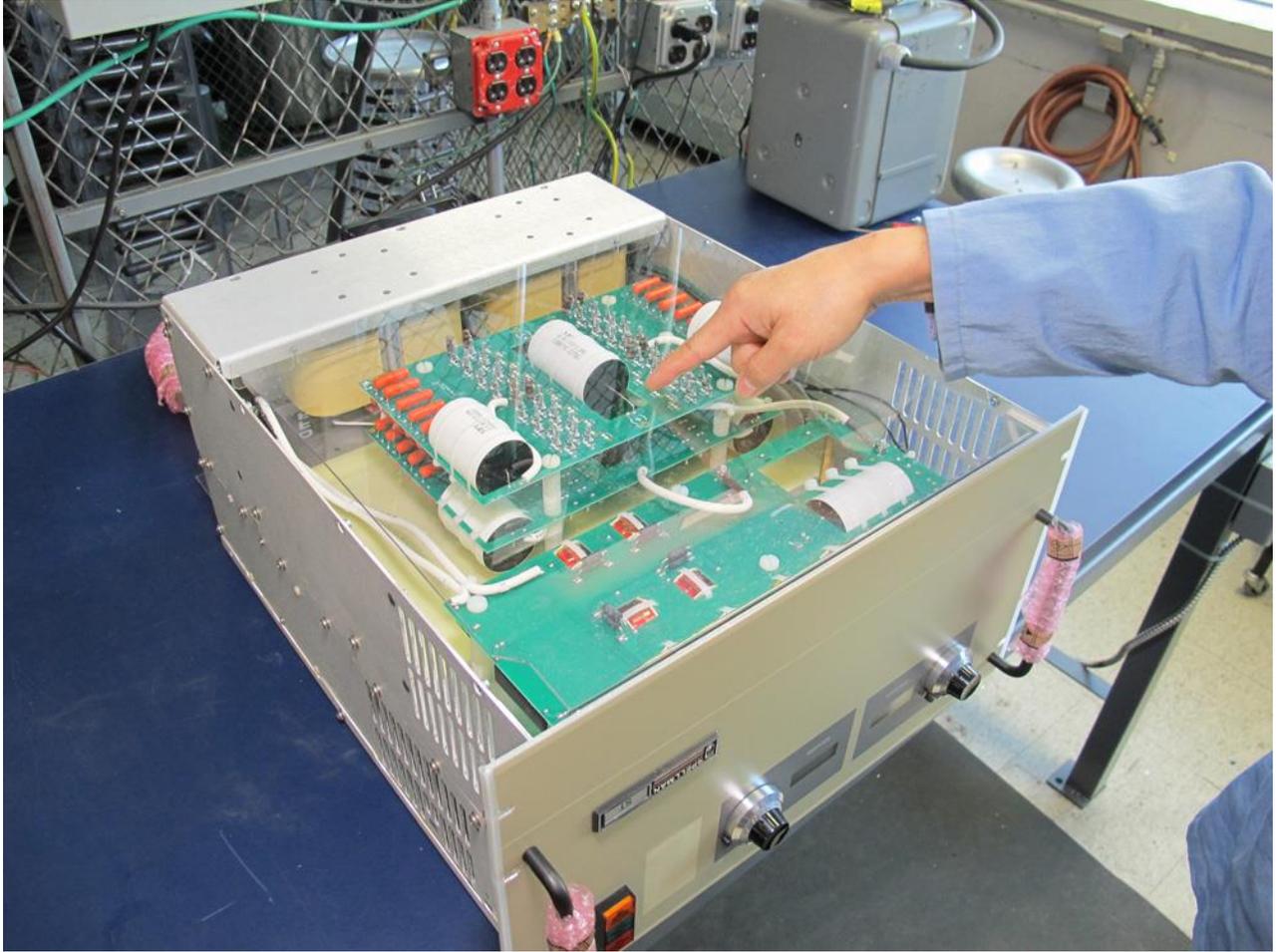
Place unit upside down.



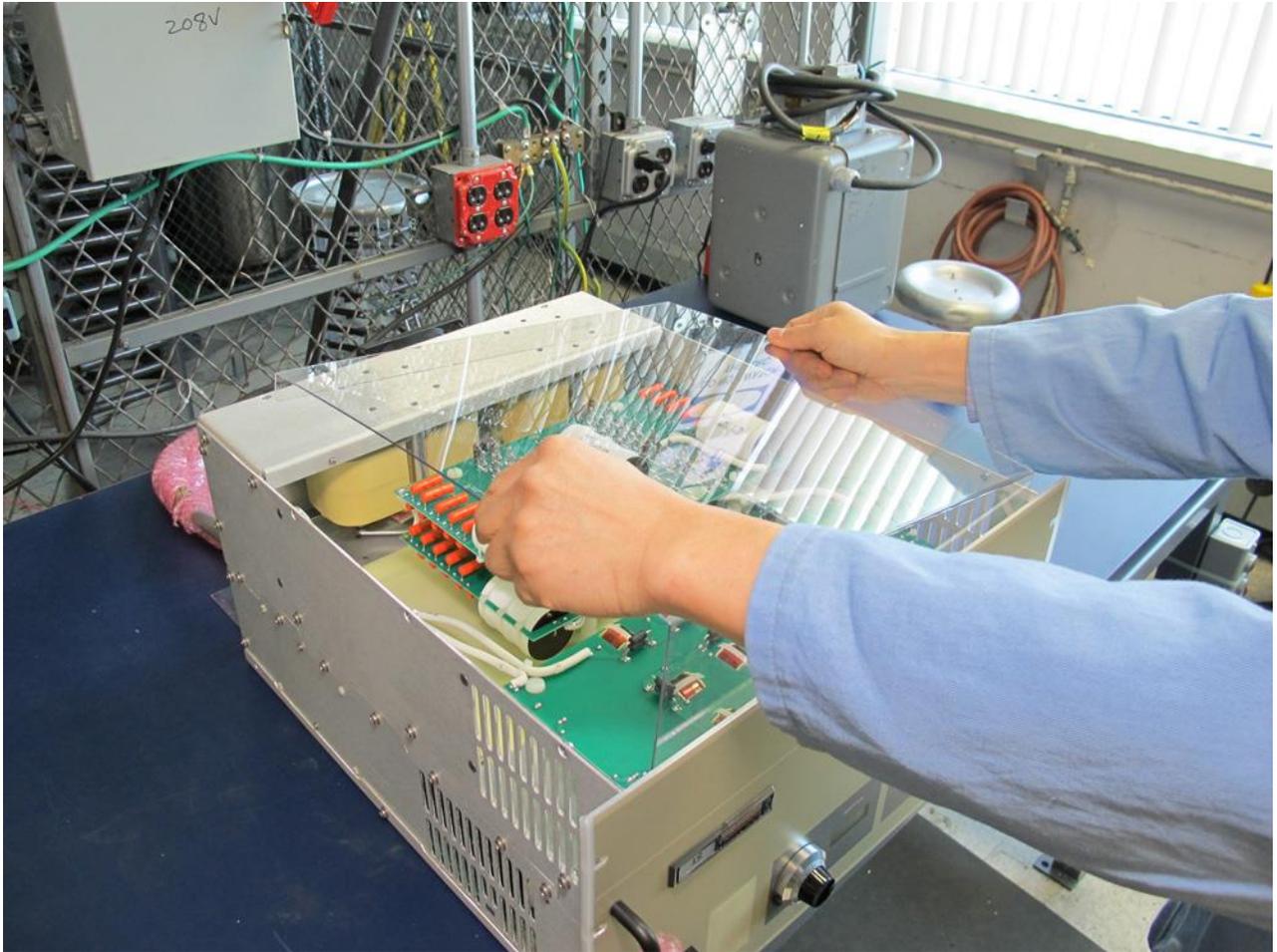
Remove bottom cover screws.



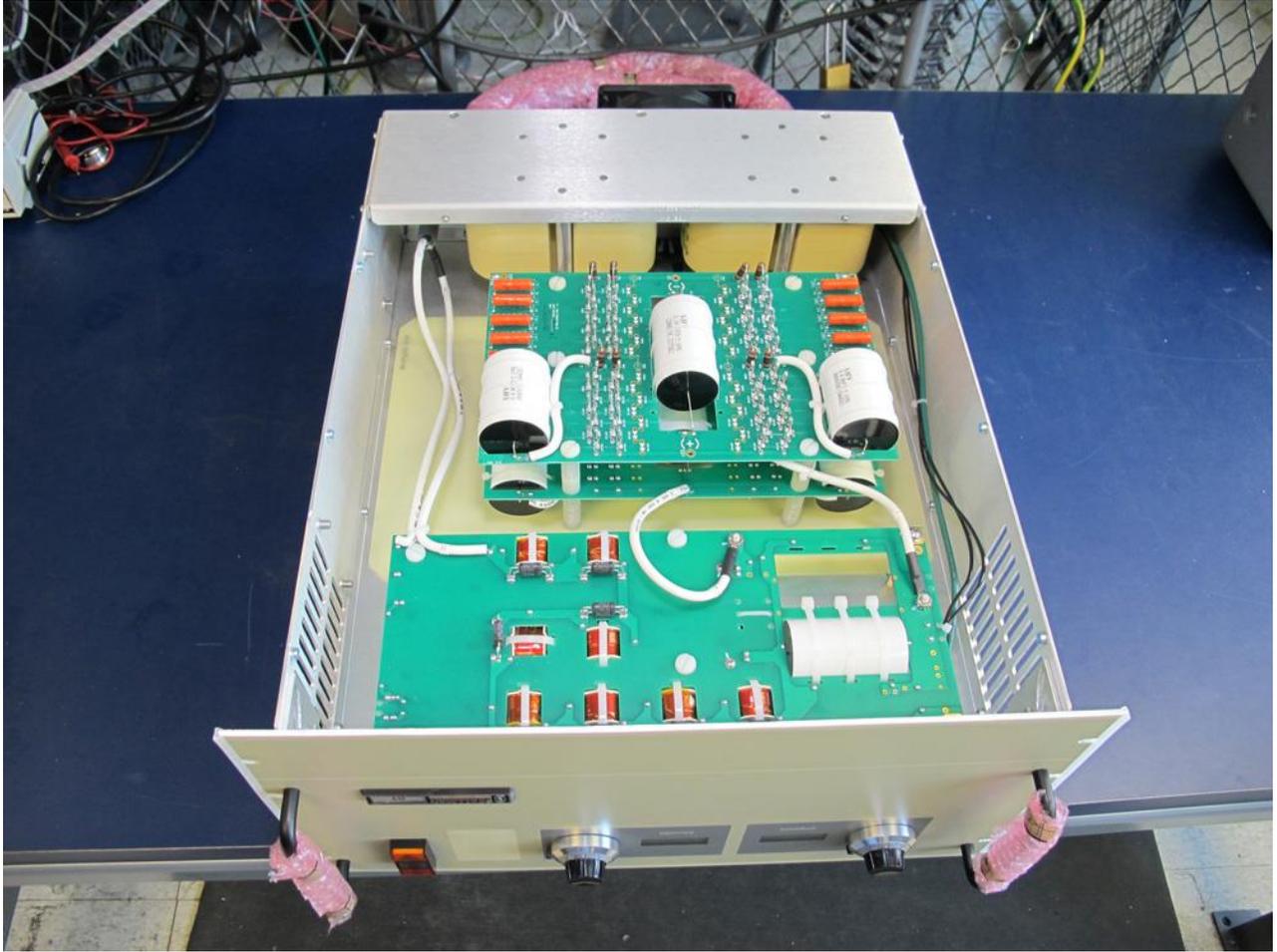
Remove bottom cover.



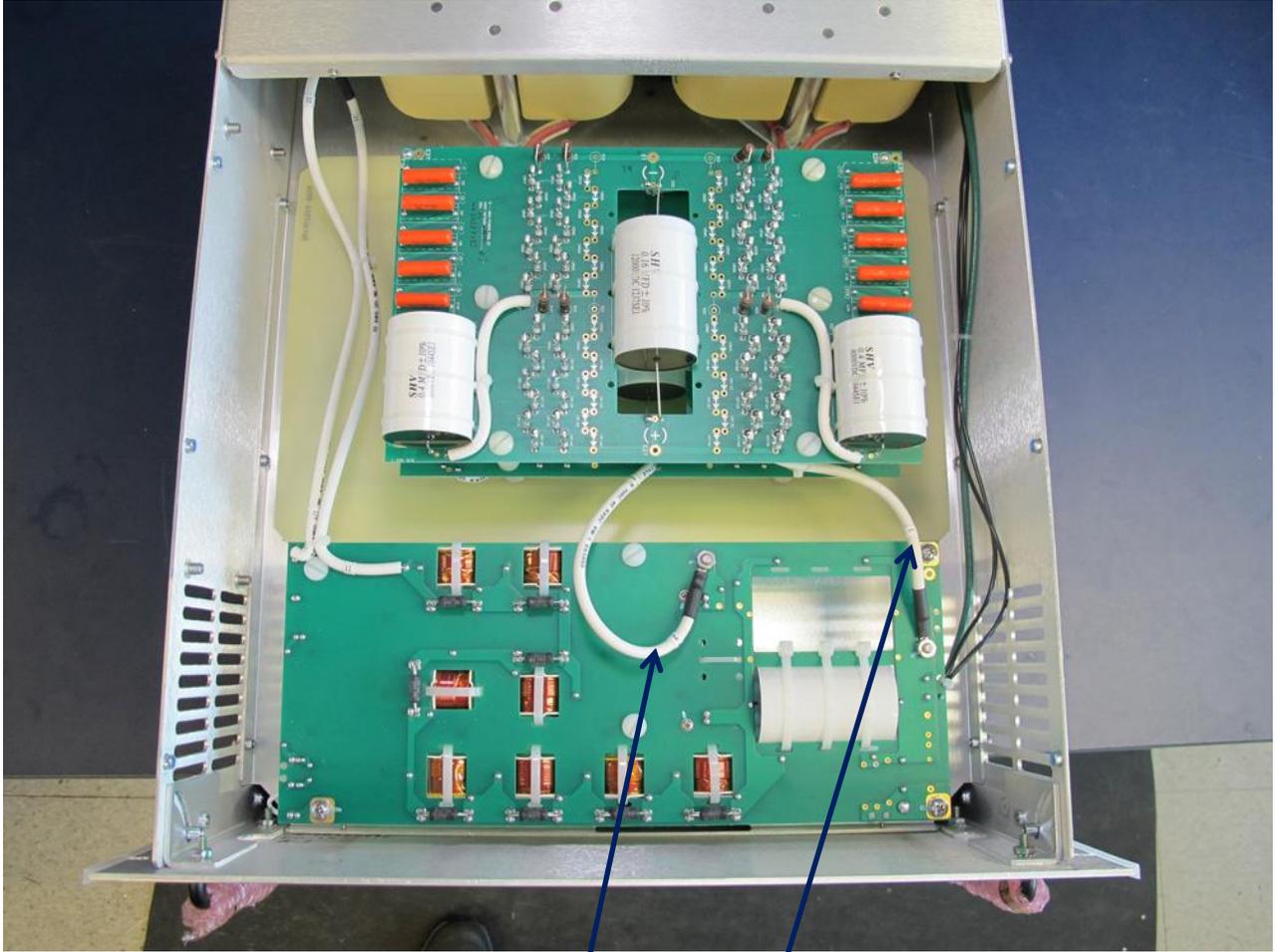
Lexan Safety Shield.



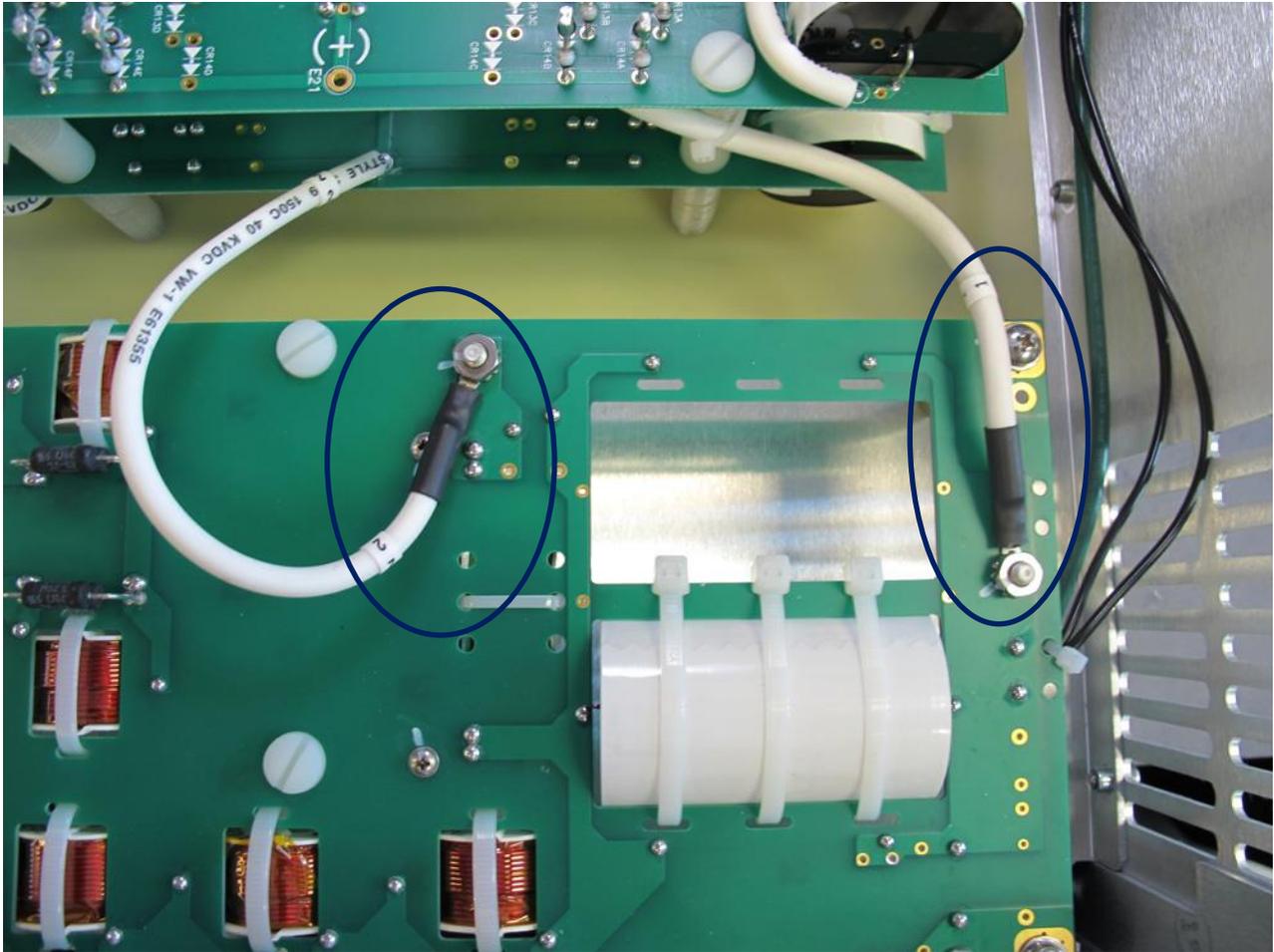
Remove Lexan Safety Shield.



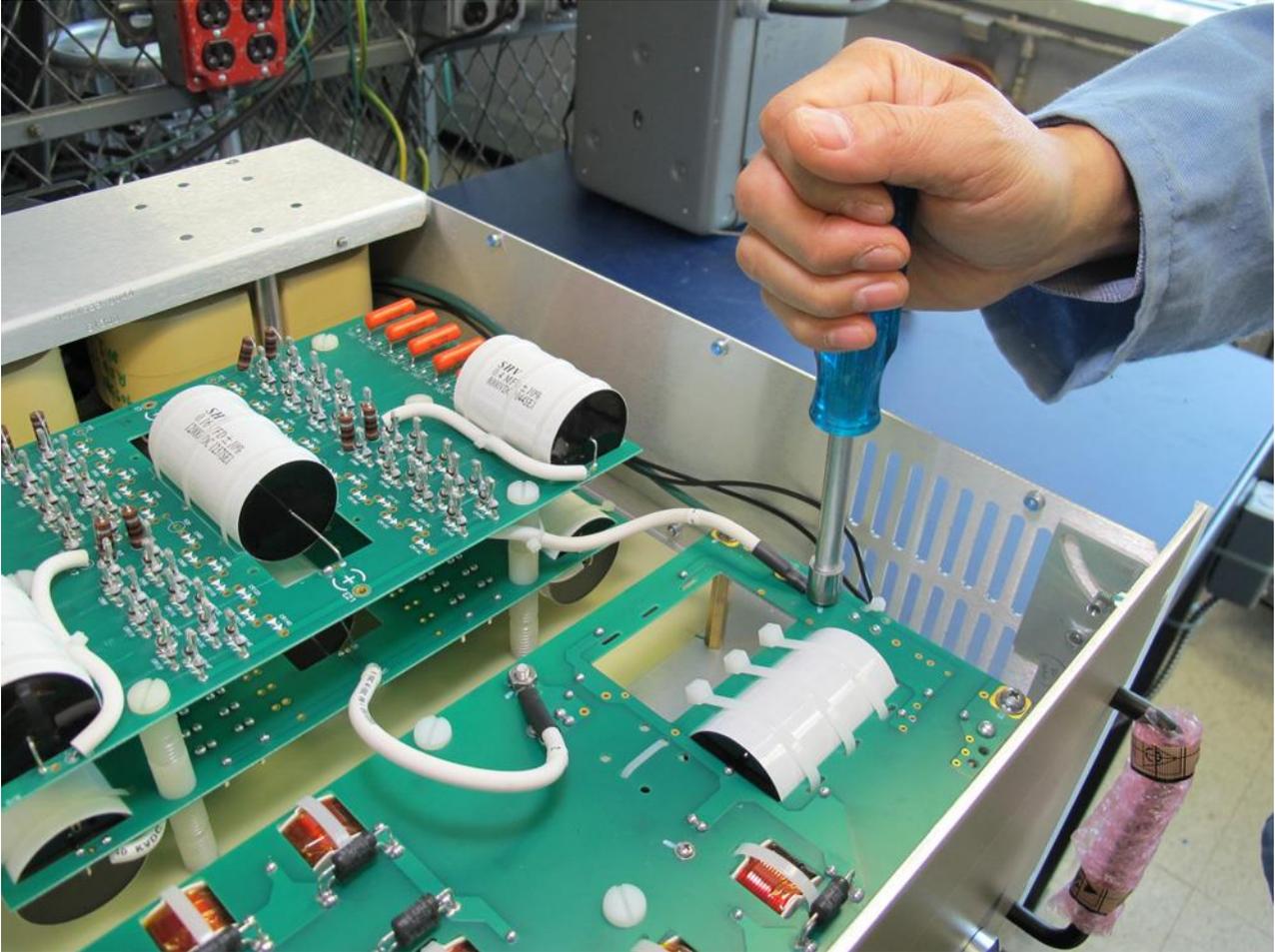
Open access to HV section.



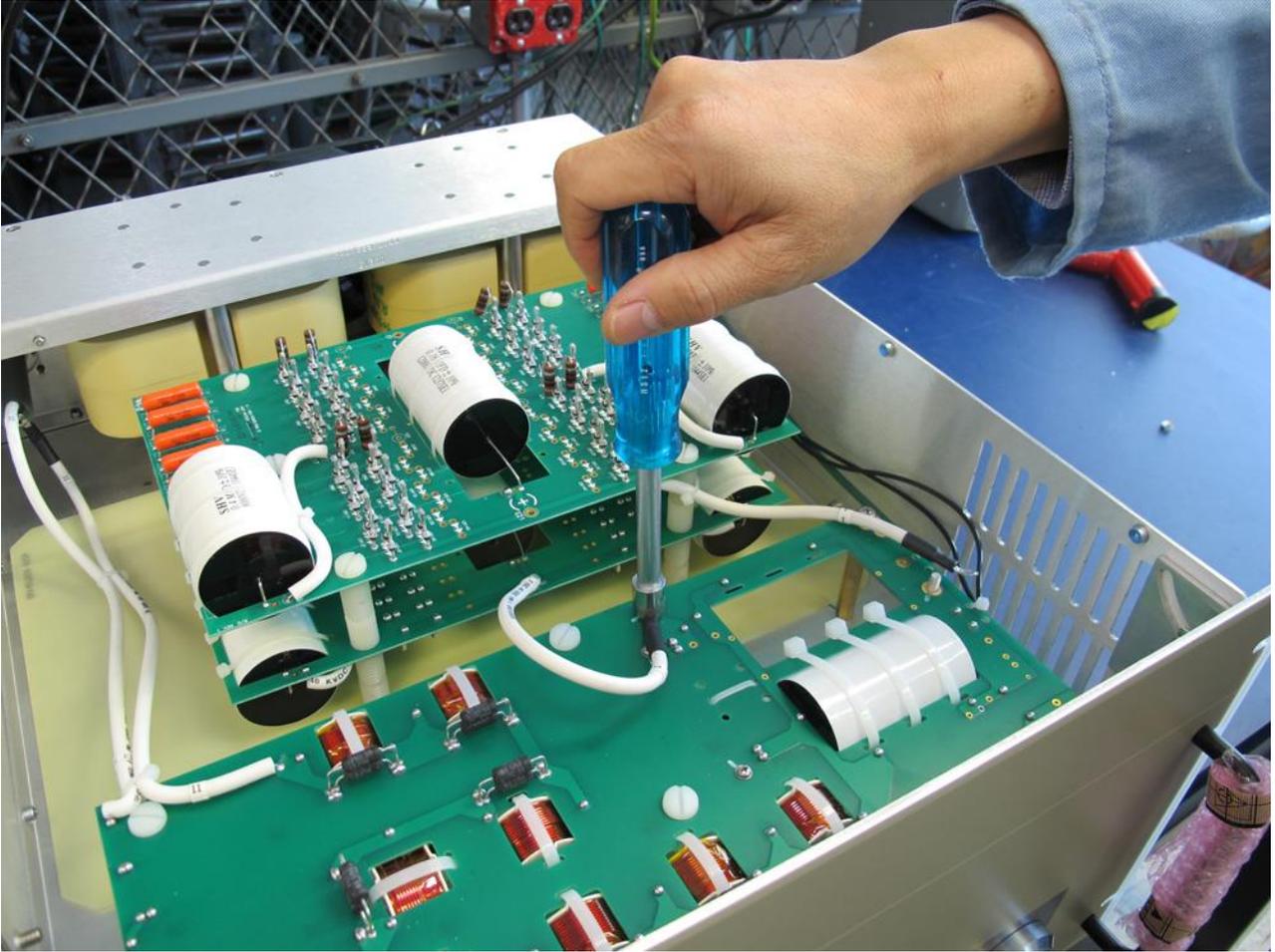
Observe #2 and #1 wiring.



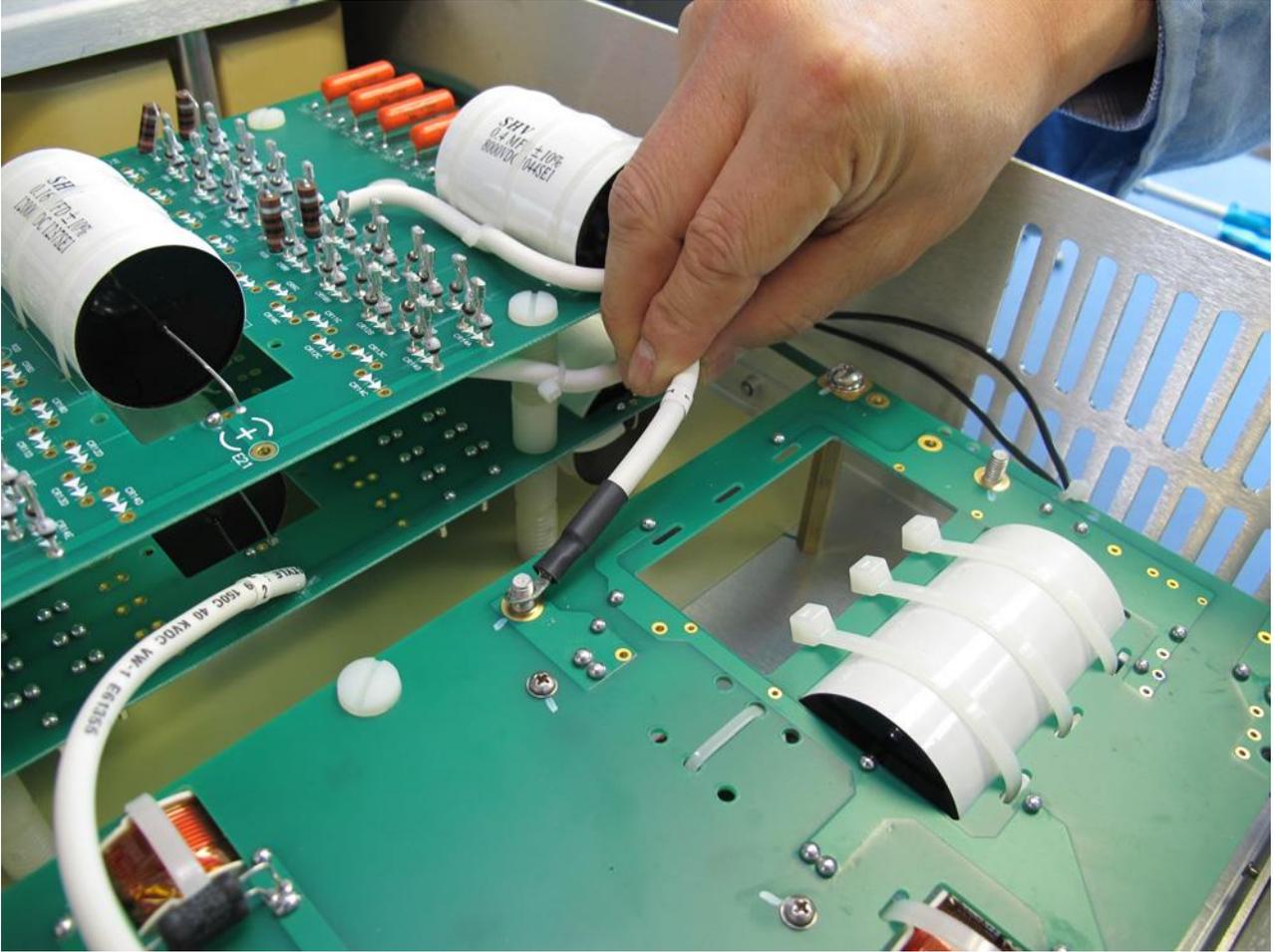
Uncrossed Wires = POSITIVE OUTPUT POLARITY



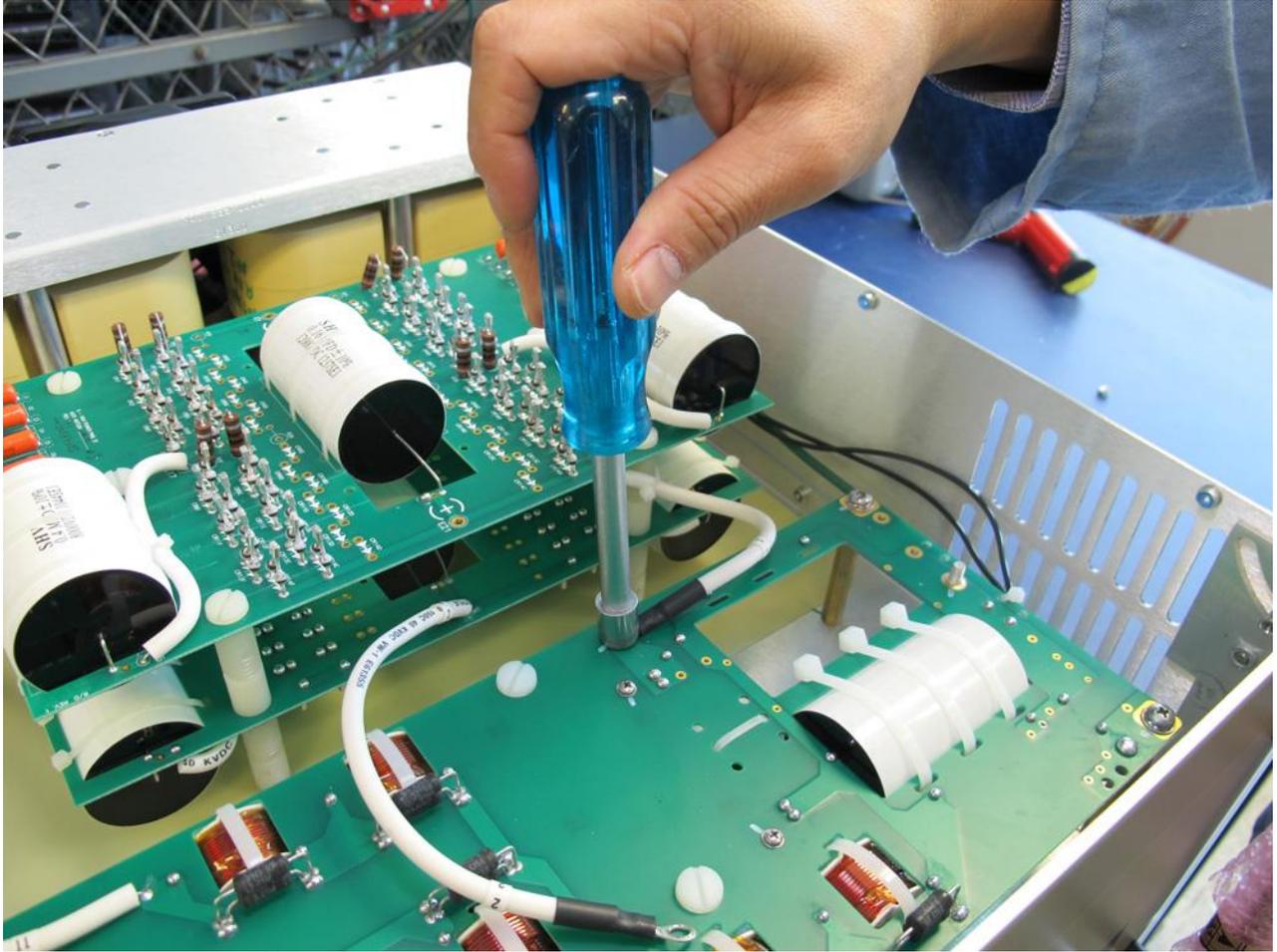
To change polarity, swap the #1 and #2 wires.
Loosen/remove wire #1 nut and lug.



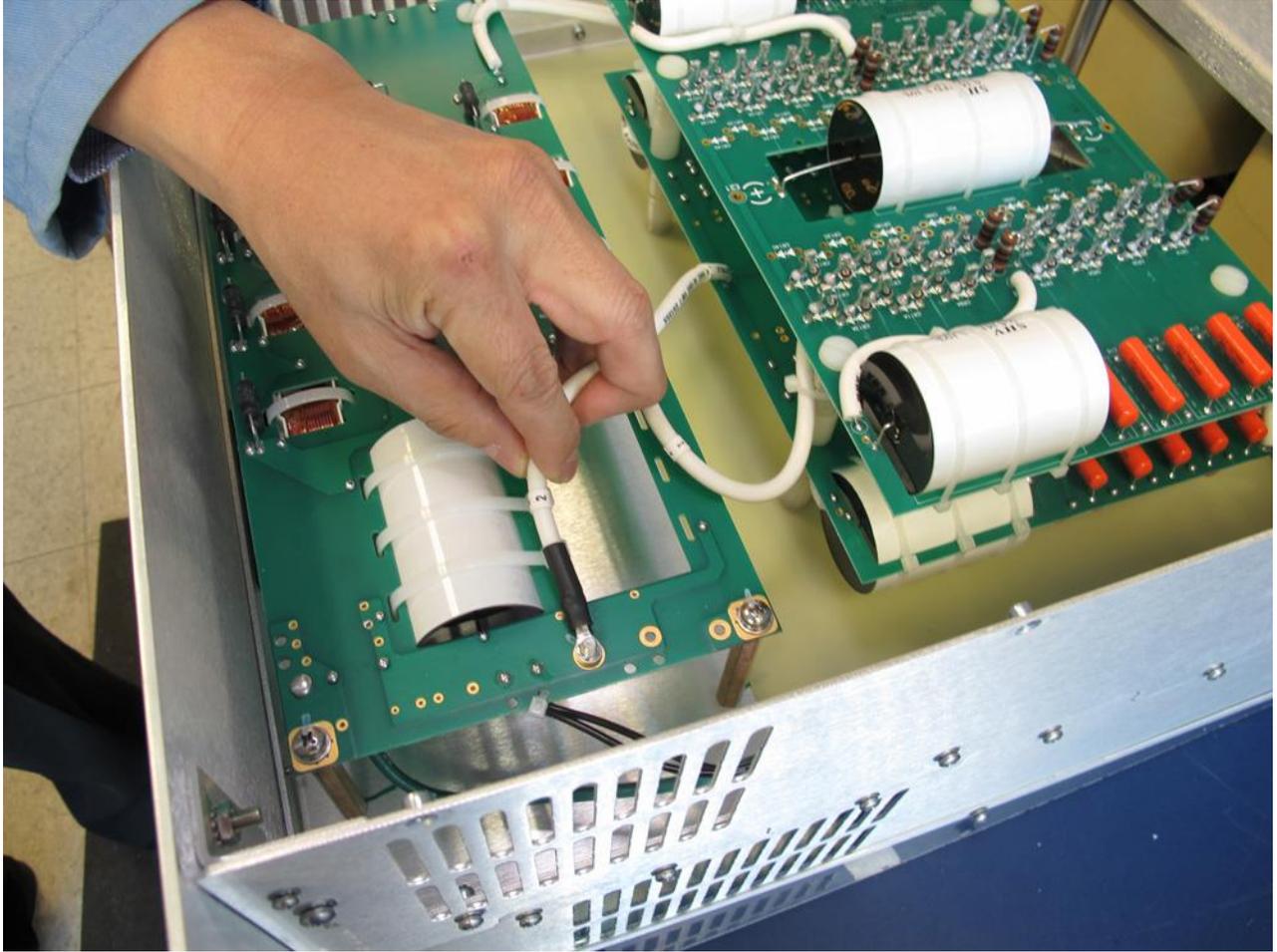
Loosen/remove wire #2 nut and lug.



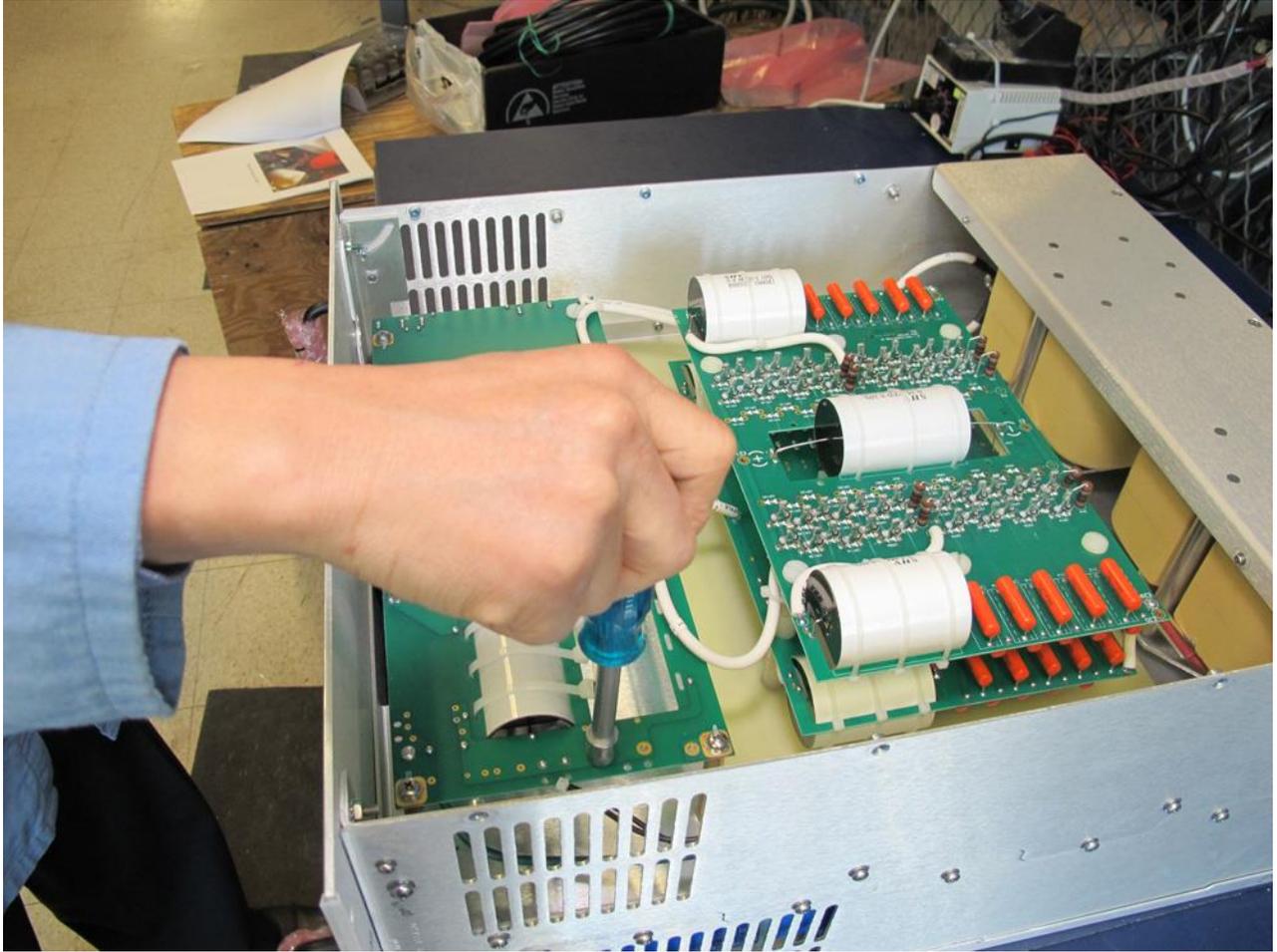
Swap relative positions of #1 wire and #2 wire.



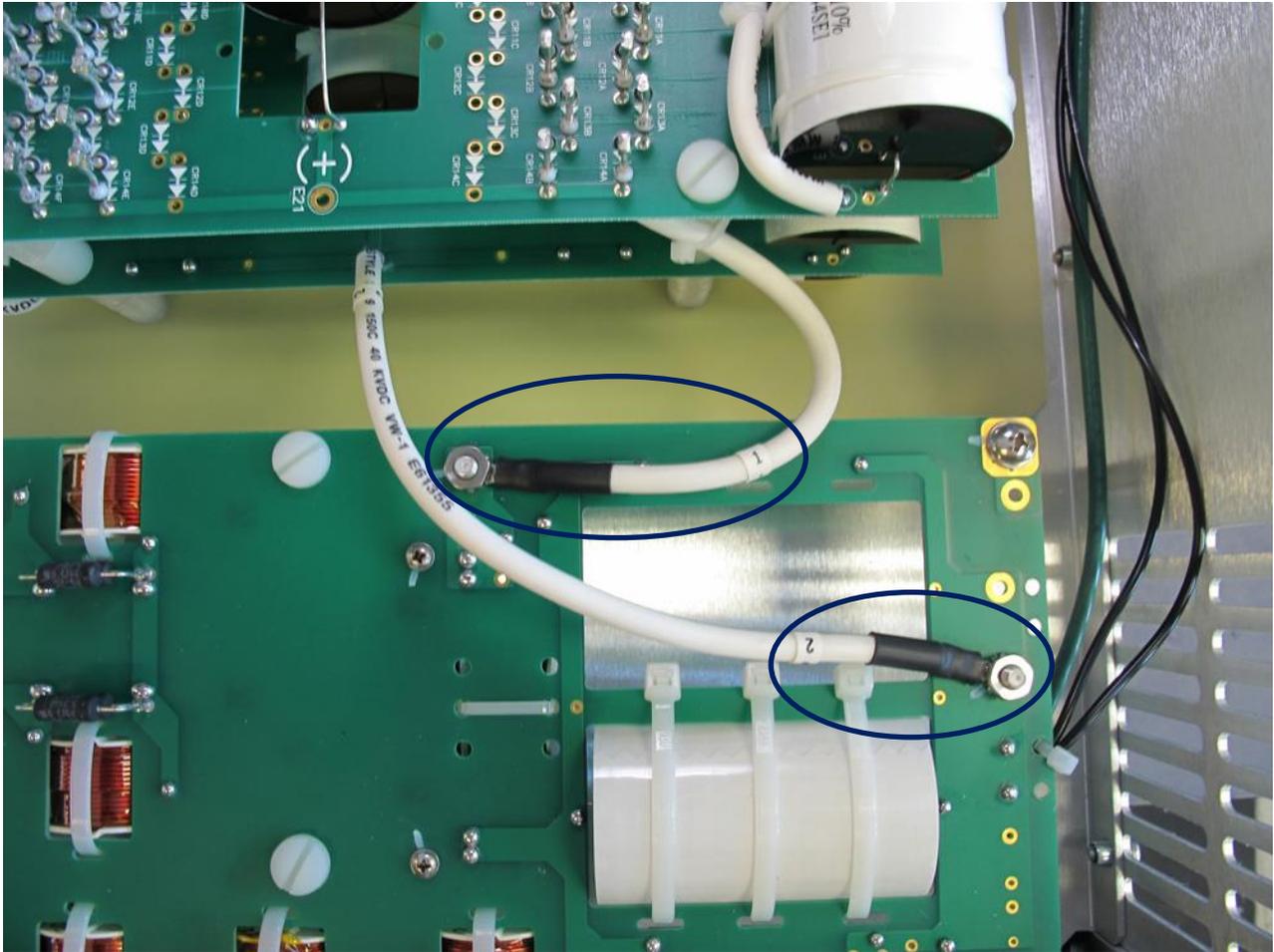
Tighten nut.



Swap relative positions of #1 wire and #2 wire.

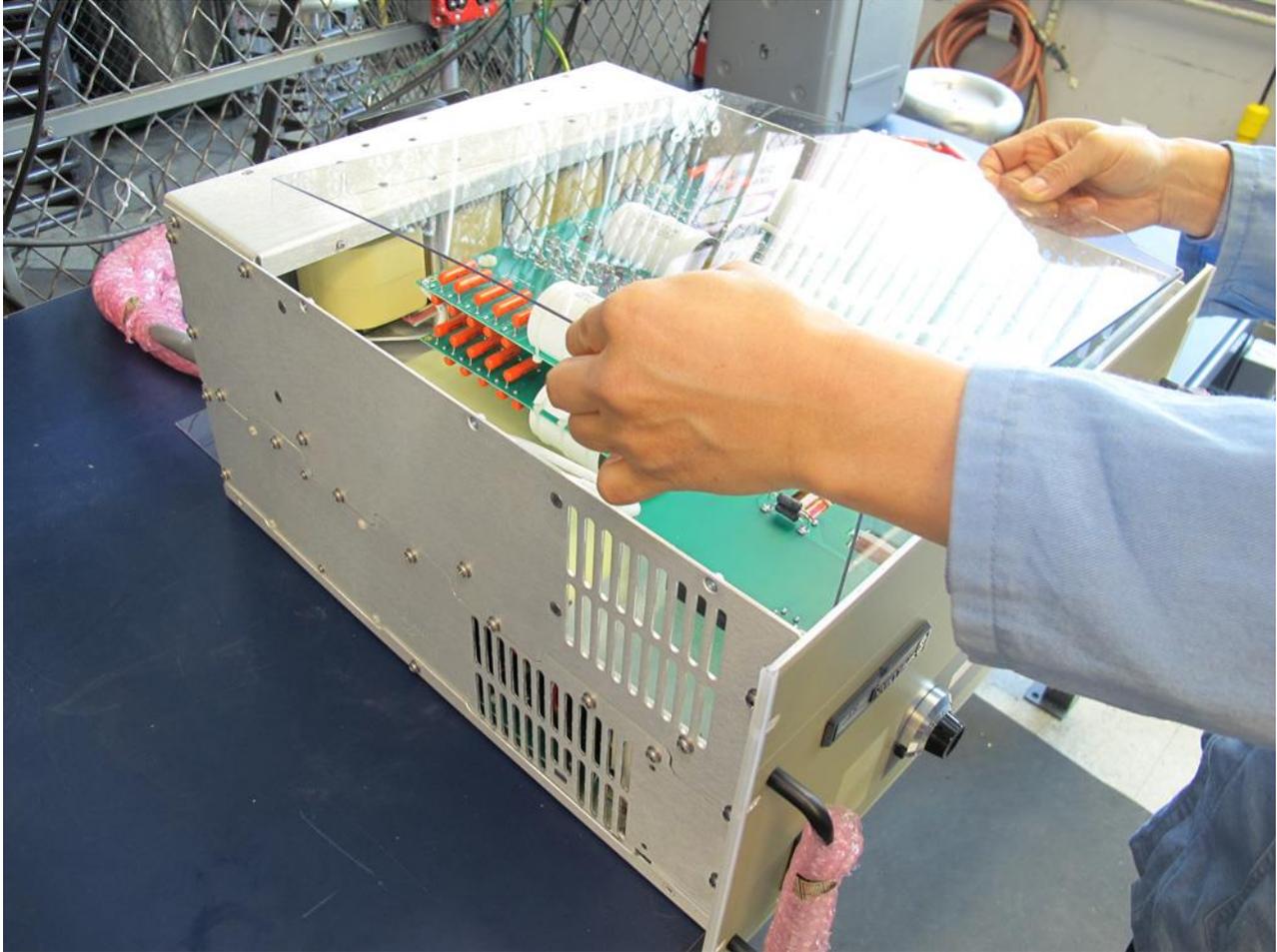


Tighten nut.

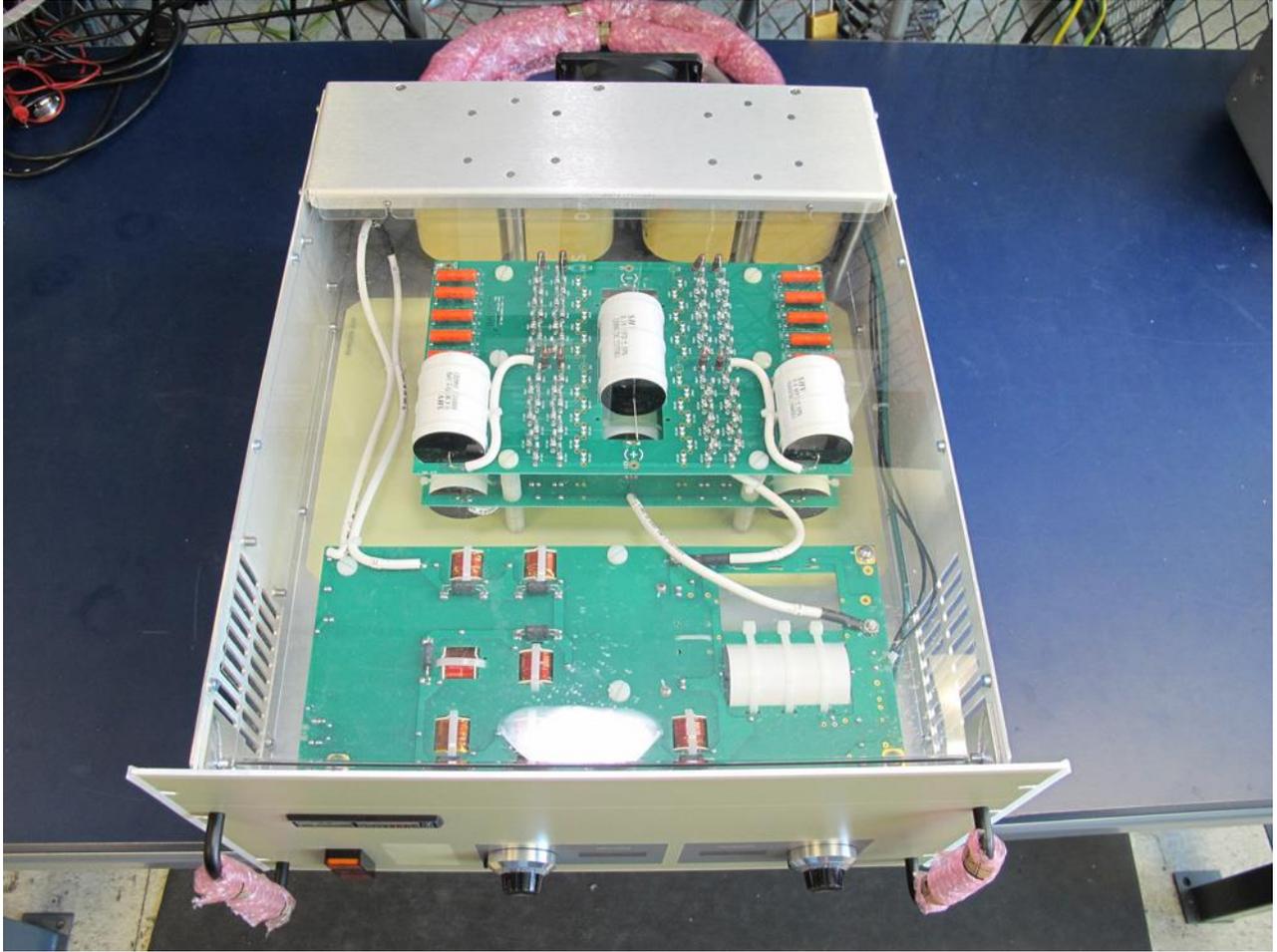


#1 wire and #2 wire positions have been swapped.

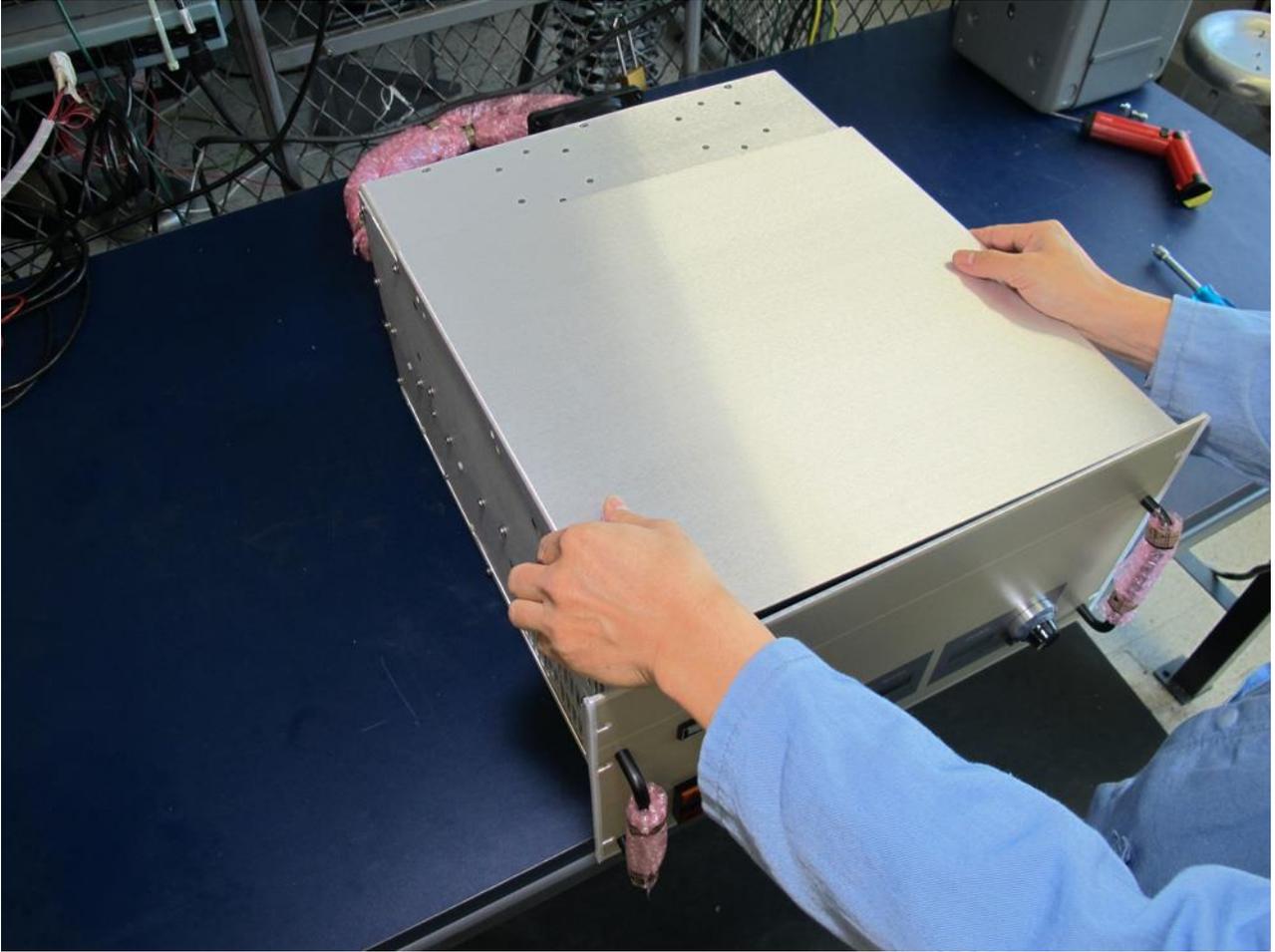
Crossed wires = NEGATIVE OUTPUT POLARITY



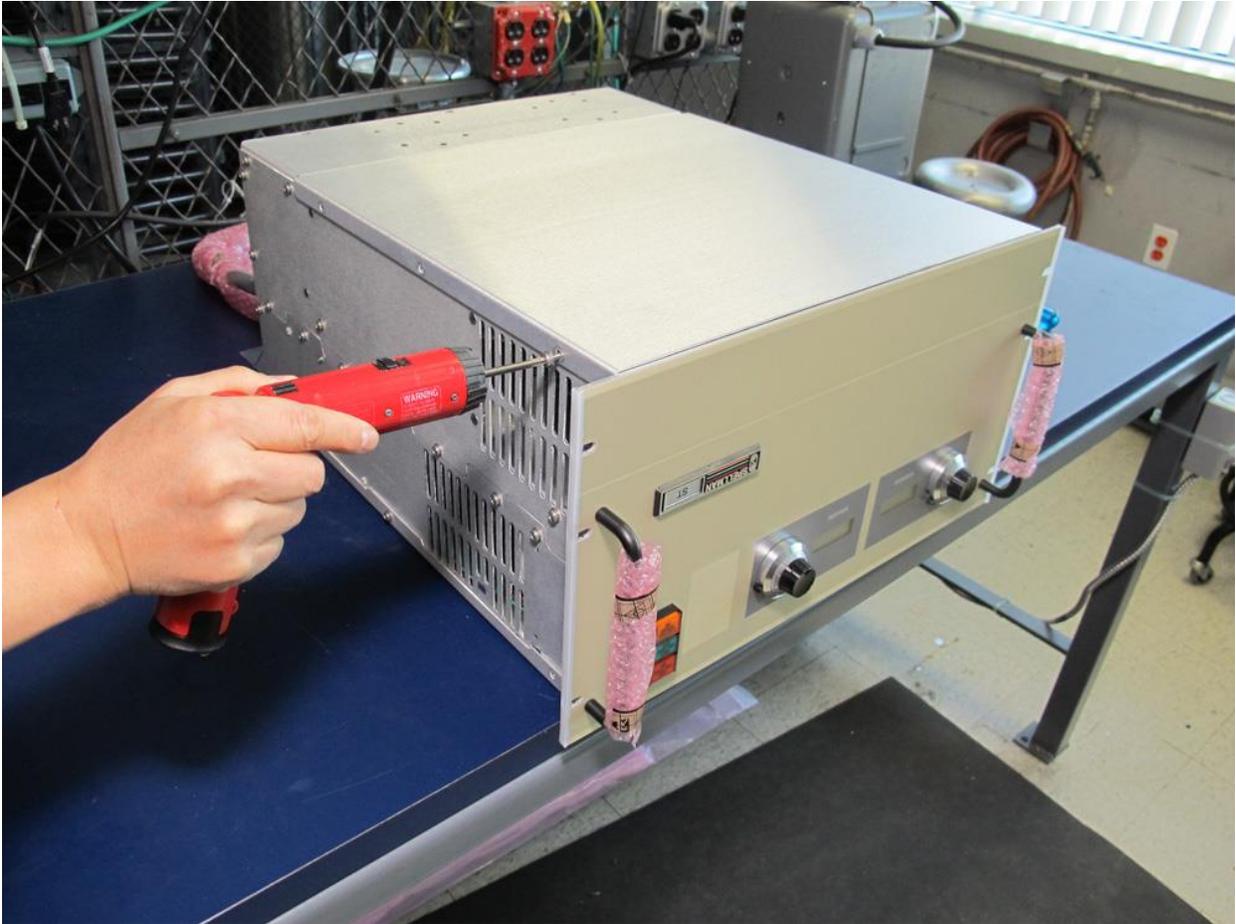
Reinstall Lexan safety shield.



Unit ready to be closed up.



Reinstall bottom cover.



Reinstall bottom cover screws.
Polarity reversal complete.