OLIMPIA SPLENDID

HOME OF COMFORT

# Technical Service Letter

MAESTRO PRO

## MAESTRO PRO INVERTER 12 HP (Model # 01925)

### B1021- Serial interface board

### w/Wired thermostat

**For Technical Support contact:**

**Tech Support**

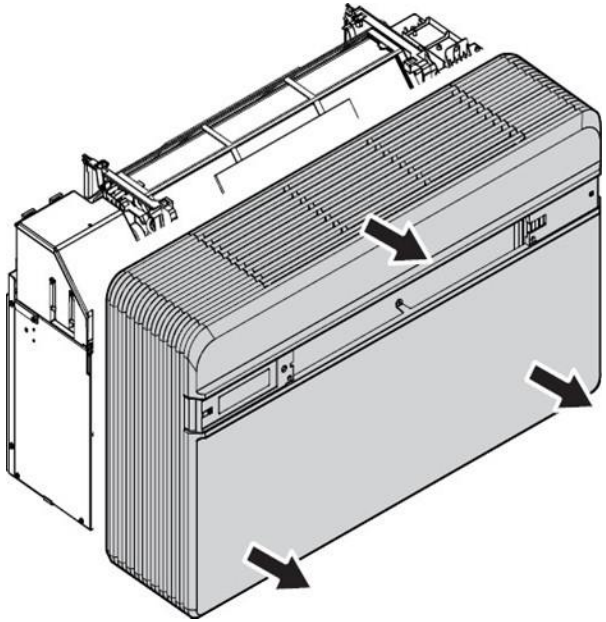
OLIMPIA SPLENDID HOME OF COMFORT

TechSupport@olimpiasplendidusa.com

(800) 408-5196 (ext. 103)

# Removing the front cabinet

- 3 screws in the front
- 2 screws on top
- 2 Screws underneath



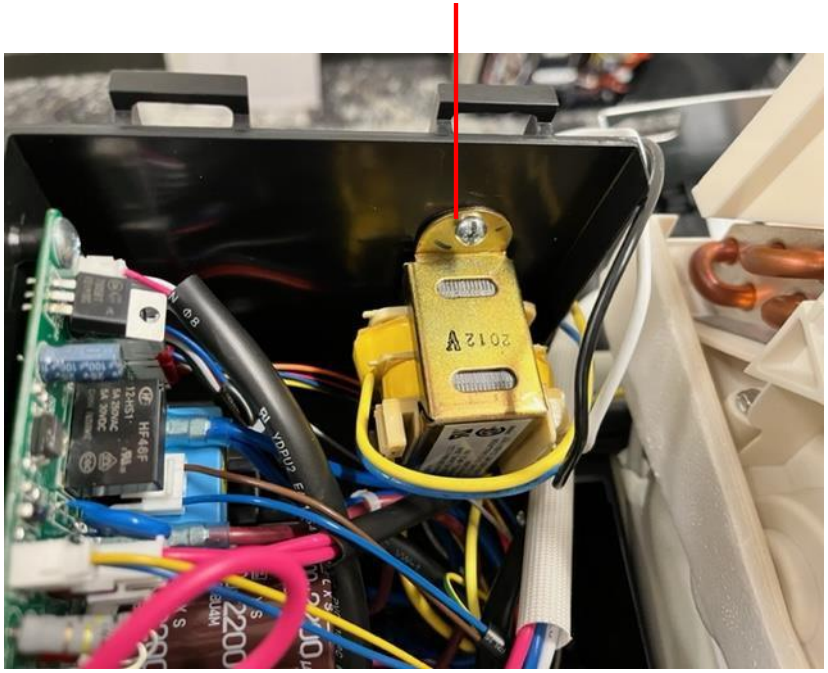
Internal 115vac to 24vac, 40va transformer installation

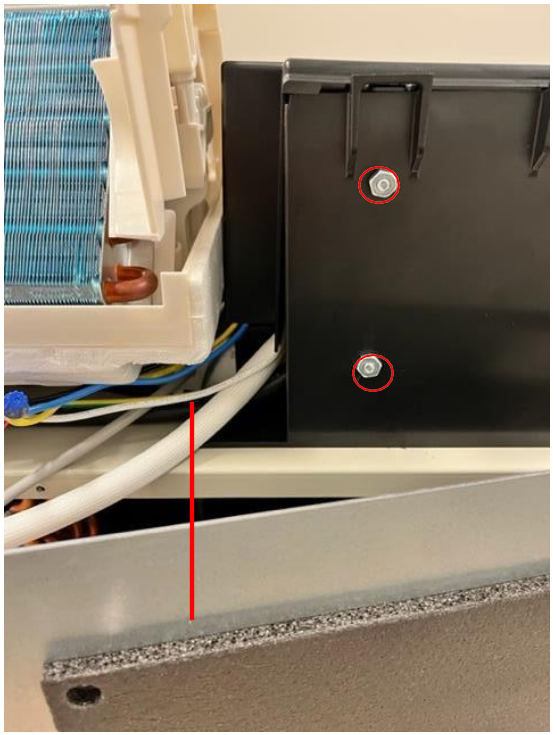
**Note:** Field supplied mounting screws will be needed.

-Locate inverter electrical box on upper left

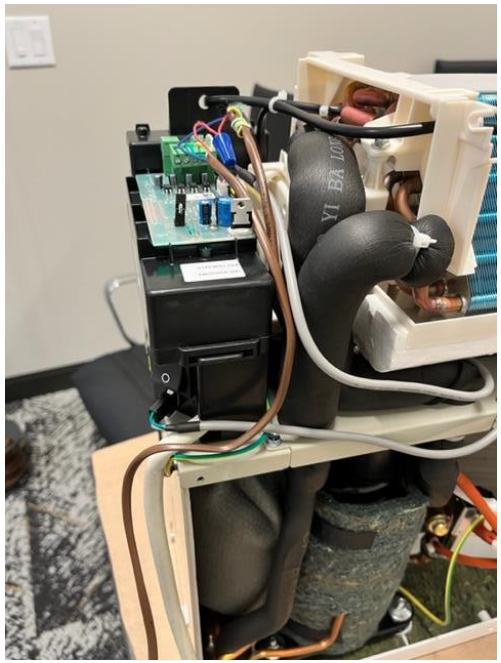
-Remove cover and find open area at back to mount transformer

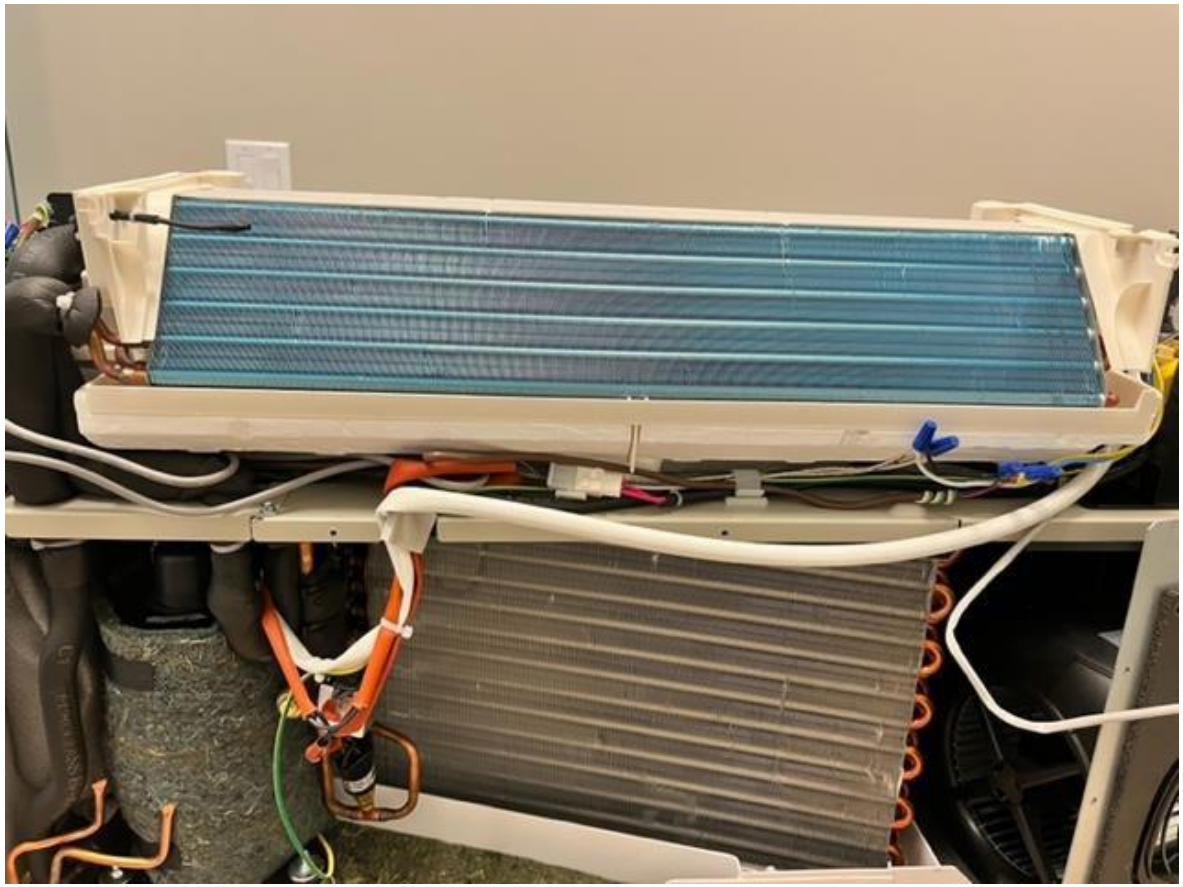
-Mark and drill mounting holes, secure transformer and run wires though chase on bottom right of box.

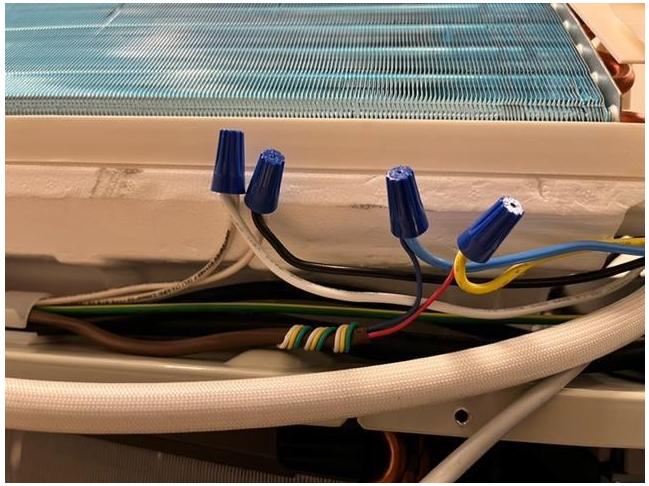




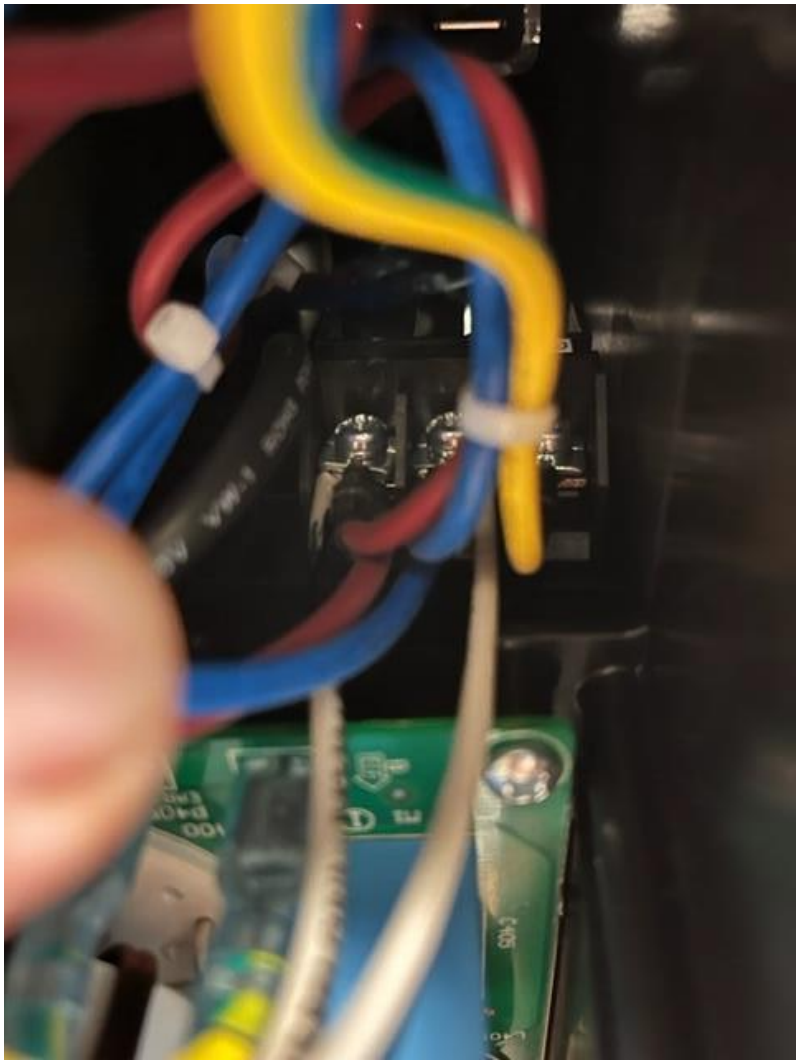
Run wires though chase on back of unit from inverter box to control box.







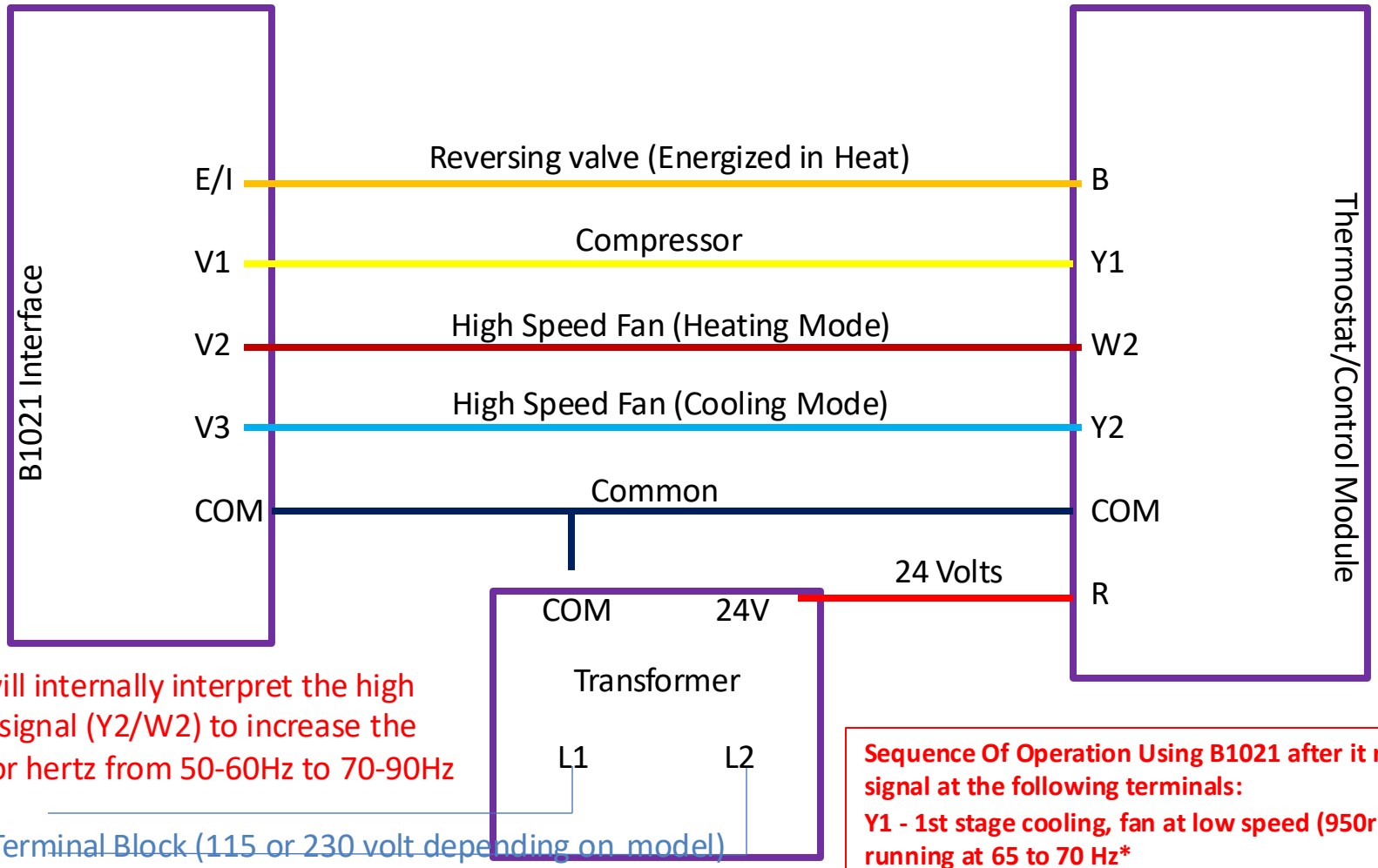
Wire in transformer to L1-L2 on terminal strip
Remove the two screws in picture on left for better access to terminal strip.



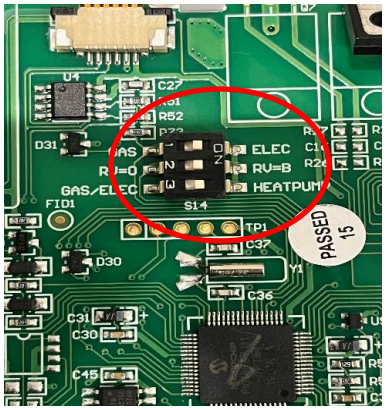
Locate and install B1021 serial interface board in designated location seen below, which is at the top right of unit above touch screen display.

Route communicating wire into chase behind coil and plug into plug under power switch.

# Wiring Diagram – 18-gauge 7 wire




The unit will internally interpret the high speed fan signal (Y2/W2) to increase the compressor hertz from 50-60Hz to 70-90Hz




Dip switches should be in the ELEC, RV=B, HP position to allow for proper delays and fan operation. Delays can be as long as 10 minutes after compressor turns off depending on stat model.

**Sequence Of Operation Using B1021 after it receives a 24 vac signal at the following terminals:**

**Y1 - 1st stage cooling, fan at low speed (950rpm) and compressor running at 65 to 70 Hz***

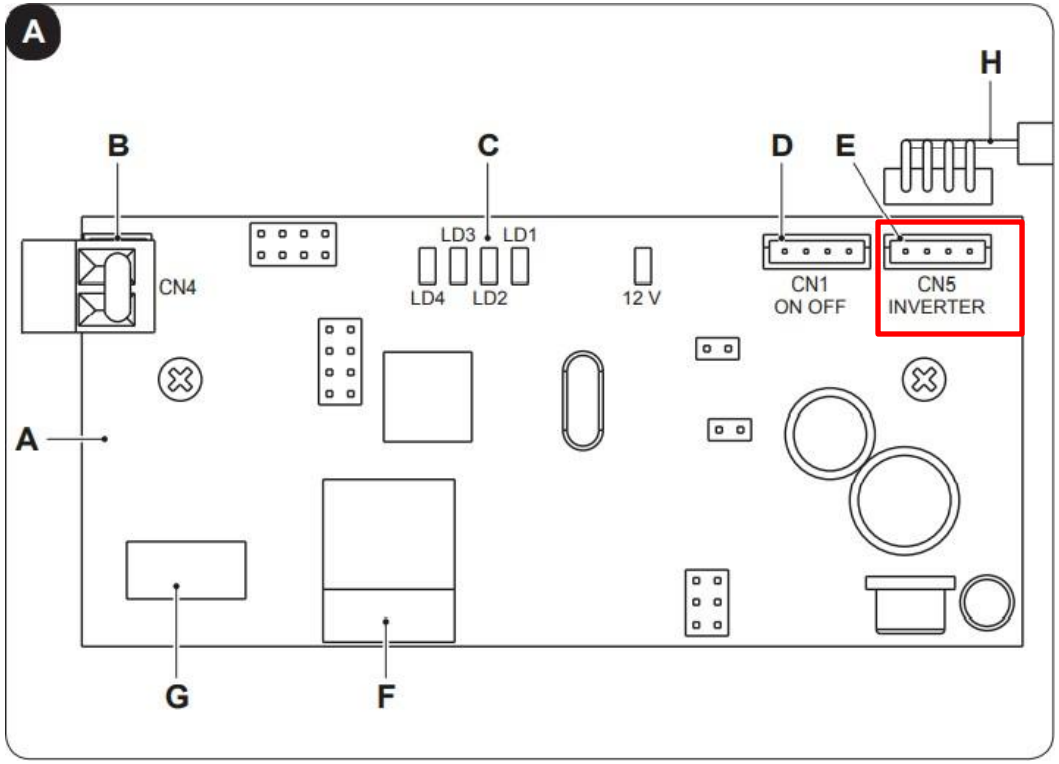
**Y1 & B - 1st stage heating, fan at low speed and compressor running at 50 to 60 Hz***

**Y2 & Y1 - 2nd stage cooling, fan at high speed (1330rpm) and compressor running at 70 to 90 Hz***

**W2 & Y1 & B - 2nd stage heating, fan at high speed (1330rpm) and compressor running at 70 to 90 Hz***

**FAN ONLY MODE is not available**

Plug in communicating wire into slot “E” labeled CN5 INVERTER.



Run stat wires down and out of cabinet with power cord.

Replace front cover,  mount the thermostat and power up unit. You can now control the unit with the thermostat  and no further set up is needed.