MarinAire®

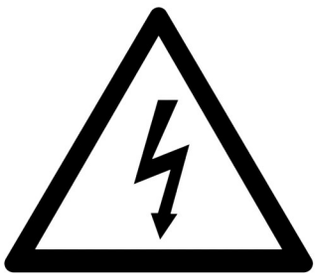
Control Panel Troubleshooting Manual

This manual is intended for professional use only.
Read this manual thoroughly.
Always practice electrical safety.
Always turn off power at the breaker before servicing.

STEP 1

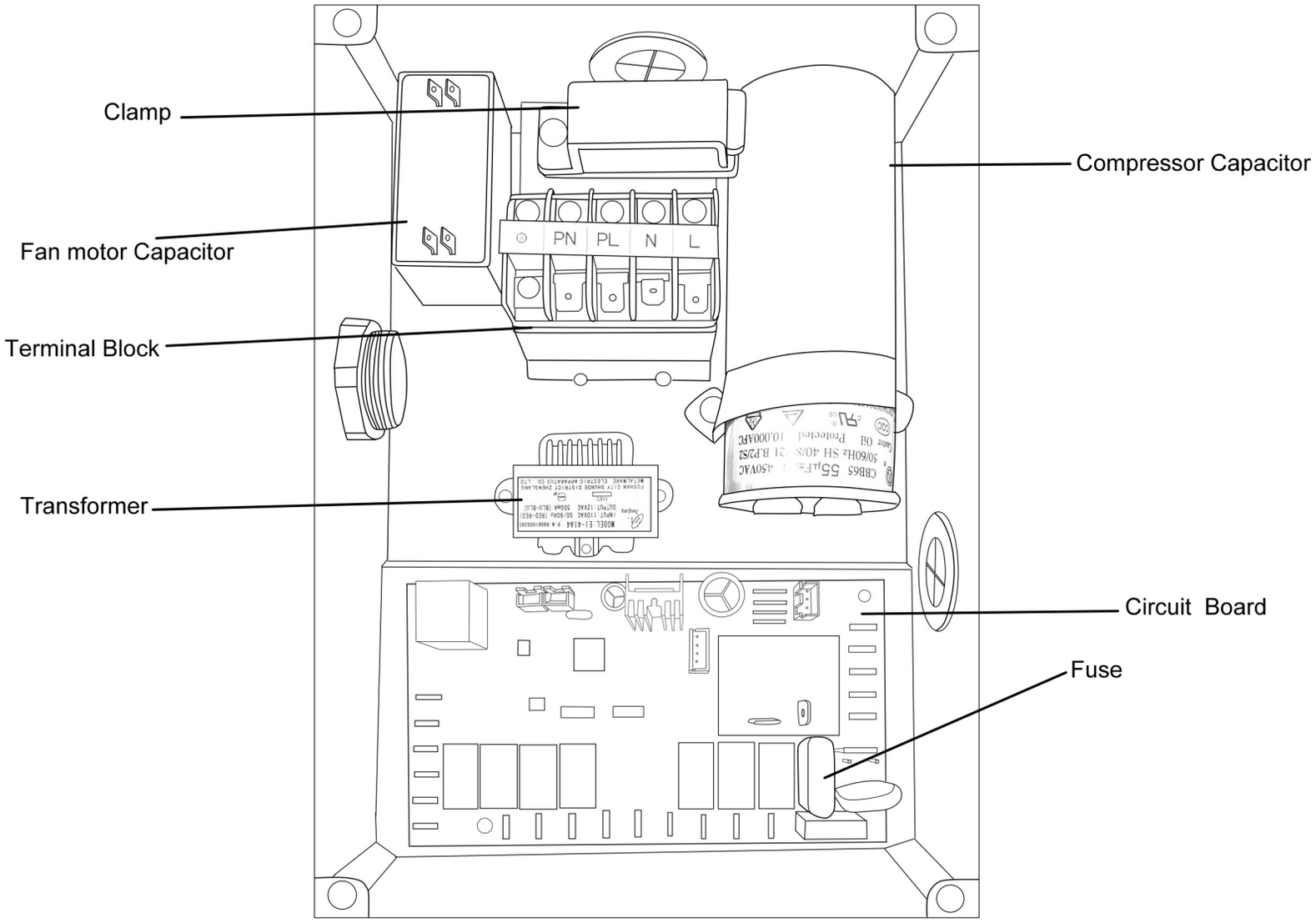
Turn off the power at the breaker.

Locate the silver electric box, and unfasten the 4 screws to remove the lid.



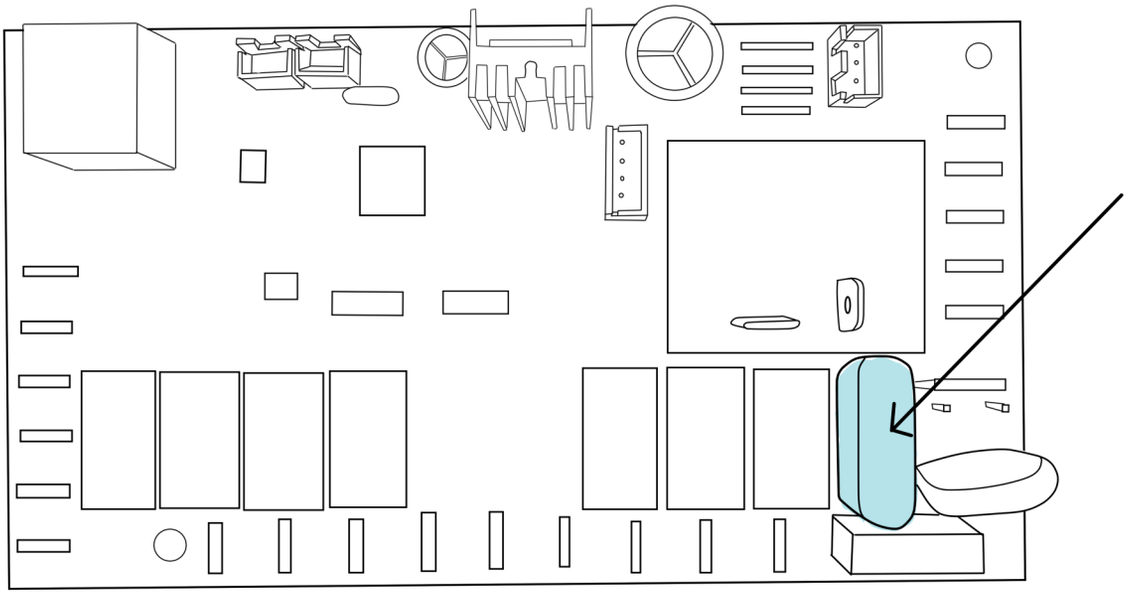


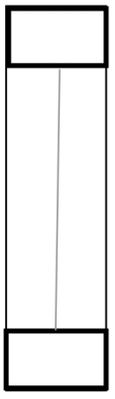
Electric Box Diagram



STEP 2

Locate the blue plastic fuse cover on the circuit board.
Gently remove the fuse cover.
The fuse will be underneath it.
If damaged, you may replace it with a 5 AMP 5x20 mm fuse.



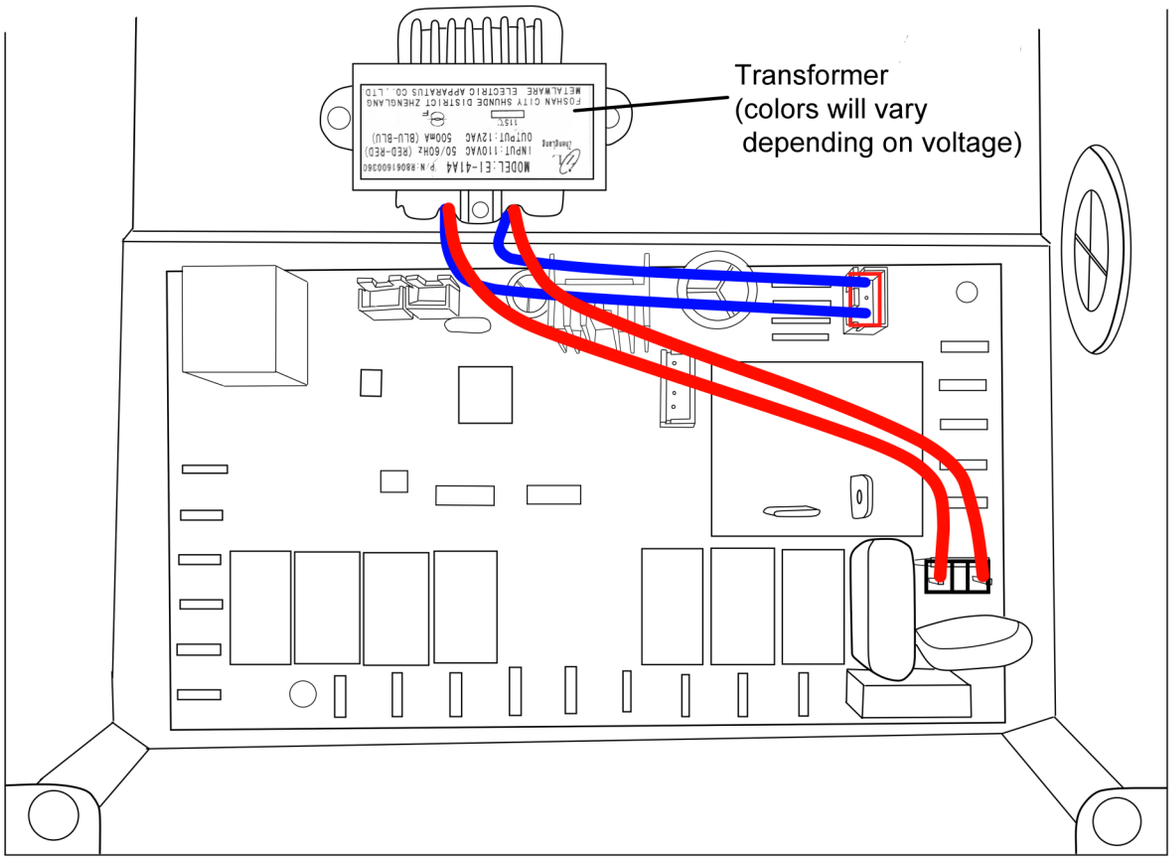


Fuse

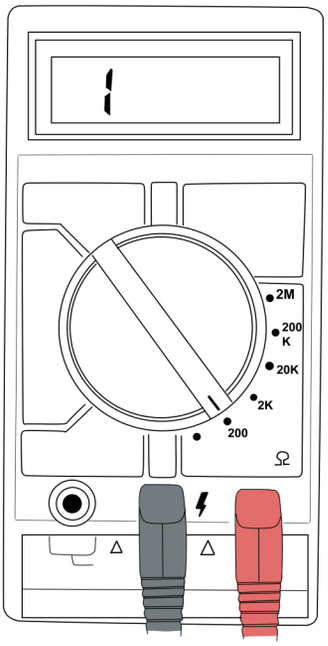
If the fuse is good, or continuously burns out after replacement, proceed to Step 3.

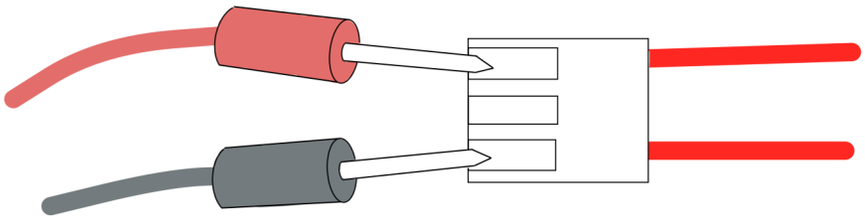
STEP 3

Locate the transformer in the middle of the electric panel. Unplug both cables.

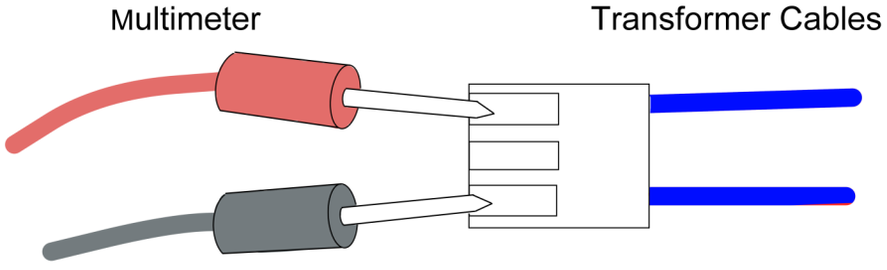


Using a multimeter set to Ohms, measure the continuity between the two pins in each cable. If there is no continuity, please contact customer support to purchase a new transformer. Have your Model/Serial number handy.





Checking for continuity between the two pins

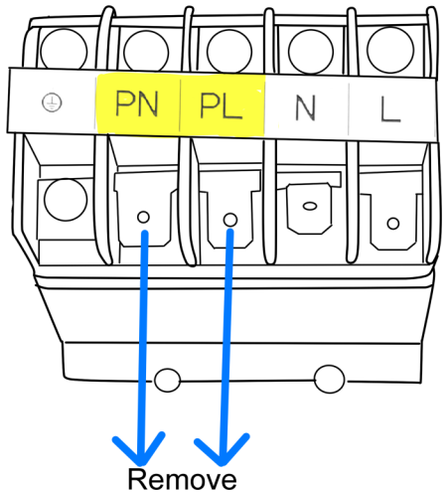


If the transformer has continuity, and the fuse keeps blowing proceed to Step 4.
If the transformer has continuity and the fuse is good, please contact customer support to purchase advised parts.

STEP 4

Locate the terminal block in the electric panel.

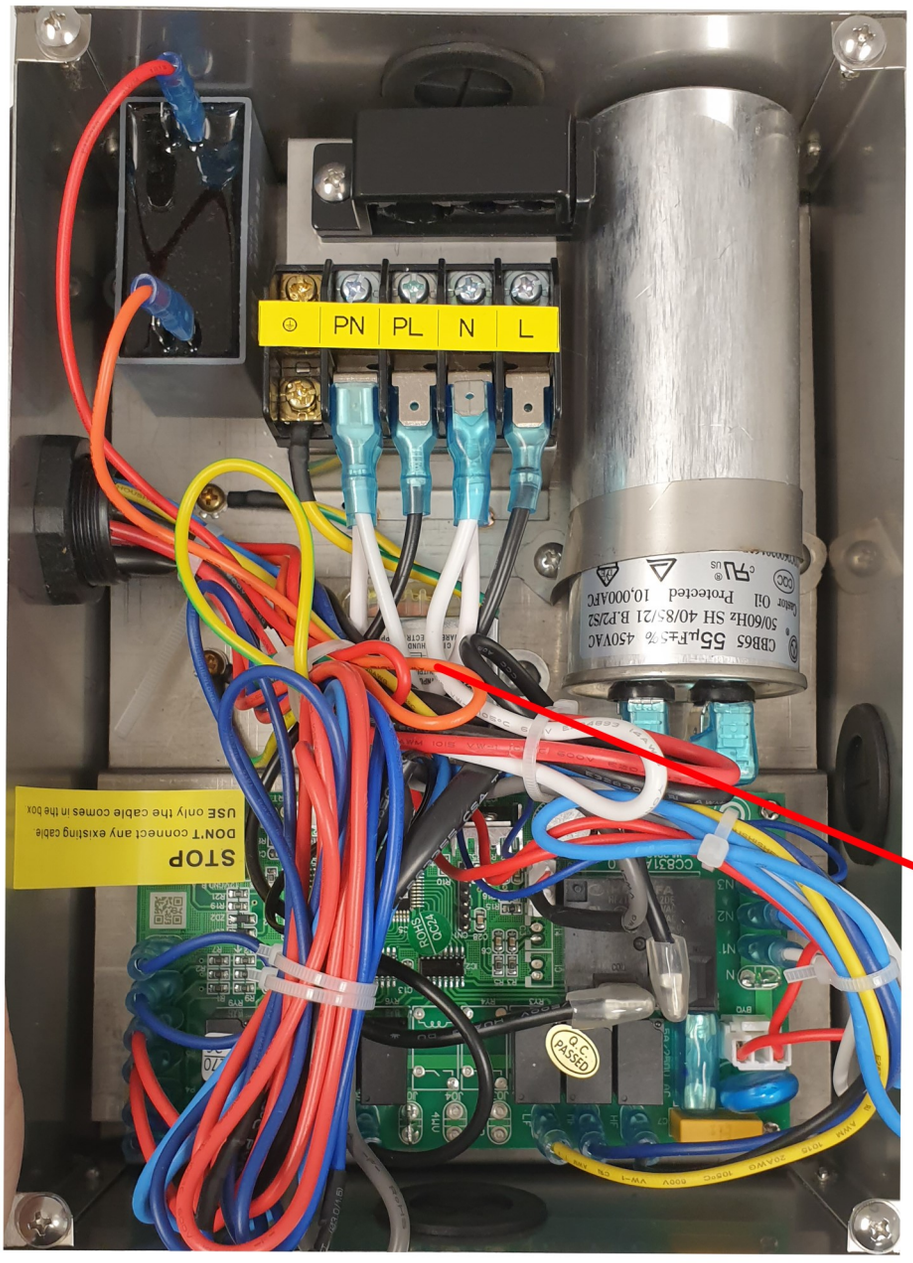
Disconnect the pump wires from PN and PL.
Replace the blown fuse, ensure the fuse is good.
Turn on the breaker and let the unit run shortly.

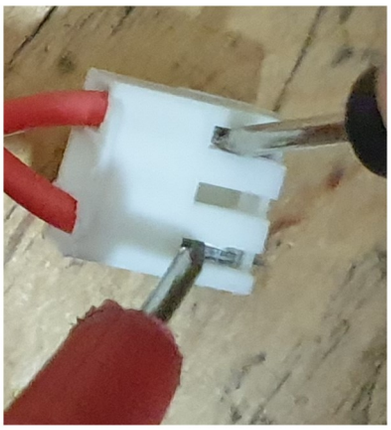


If the fuse does not blow when the pump is disconnected, this indicates that there is an issue with the pump wiring or the pump.

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Reference Images



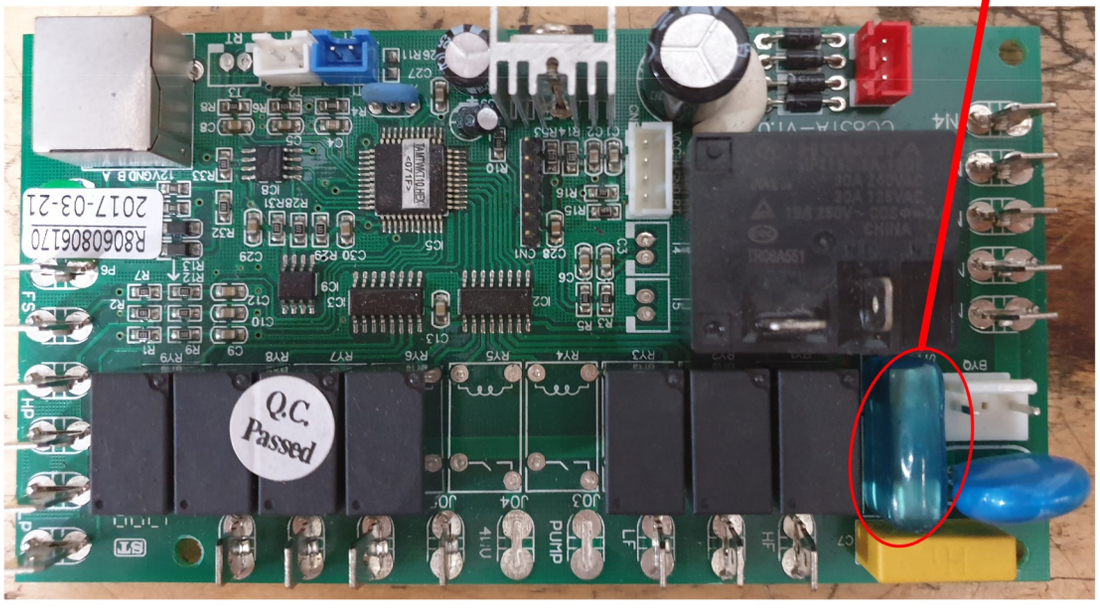


Checking for continuity



Transformer

Fuse Cover



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