

REPORTED PROBLEM:

The Spa has no power.

SYSTEM VOLTAGE:

- 240V

PROBABLE CAUSES:

- Damaged circuit board.
- Damaged fuse.
- Damaged GFCI.
- Faulty electrical service.

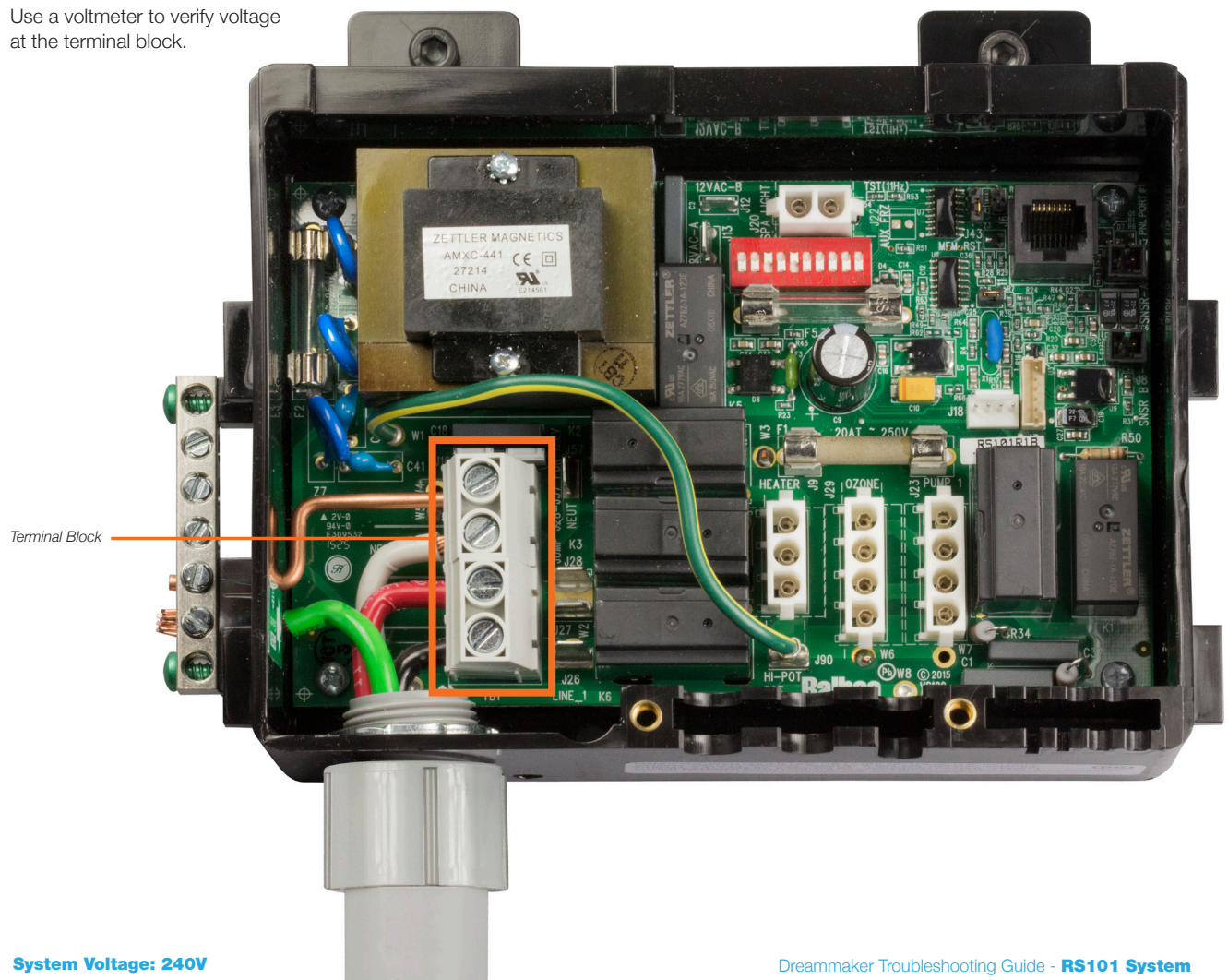
TROUBLE SHOOTING STRATEGY:

- Verify voltage at the system pack terminal block and fuse.
- Verify voltage at the GFCI.



STEP 1

Use a voltmeter to verify voltage at the terminal block.



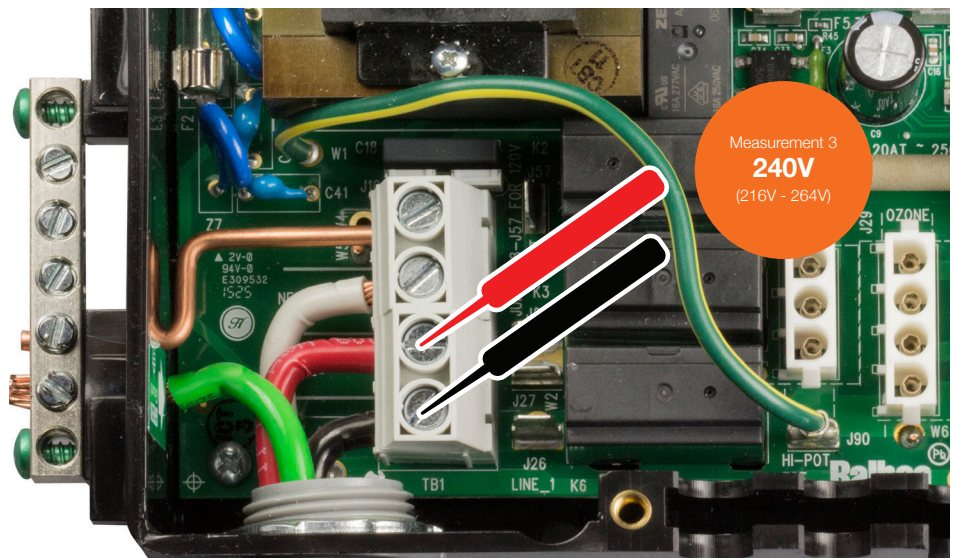
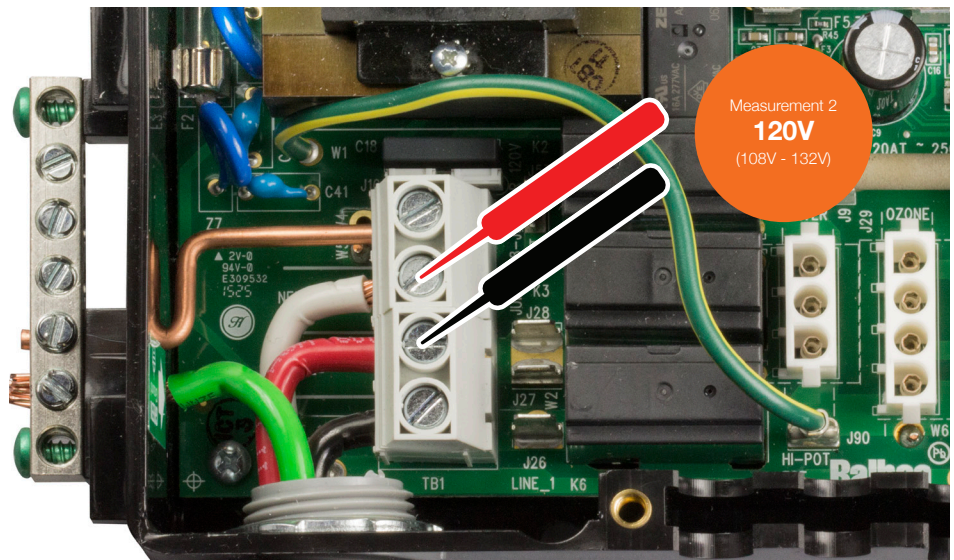
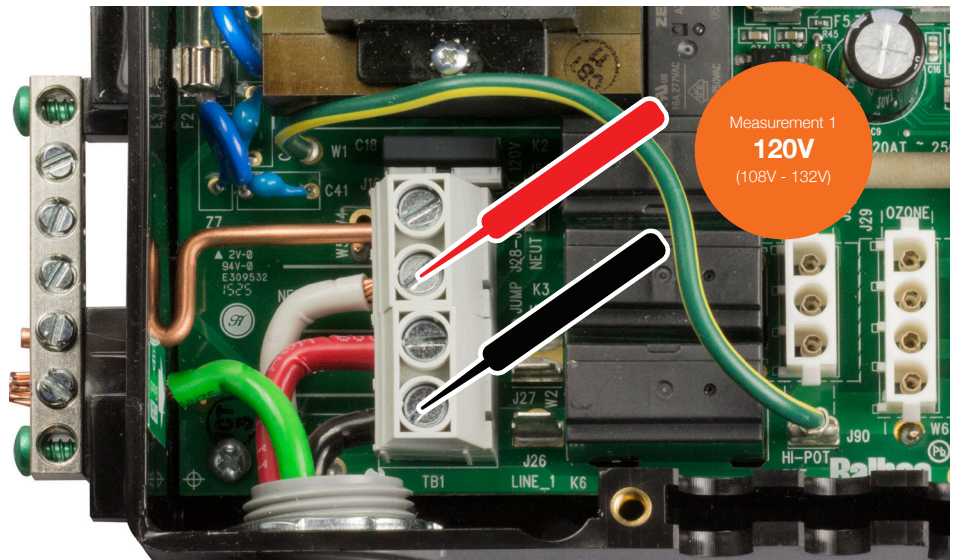
STEP 1

Voltage measurements that vary plus or minus 10% are accurate. For example, if a 240V component is measured between 216V - 264V, the reading is accurate.

Measurements 1 and 2 should be 120V, and measurement 3 should be 240V.

If measurements 1-3 are accurate, go to step 2.

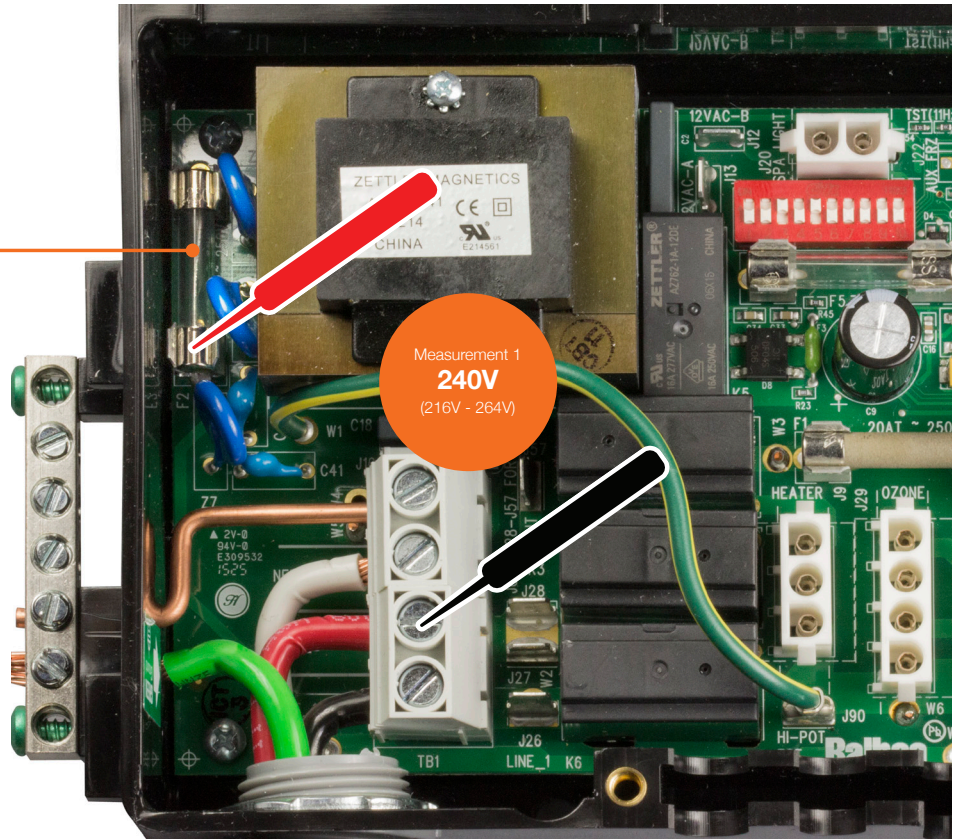
If measurements 1-3 are not accurate, there may be problems with the GFCI or electrical service. Go to step 3.



STEP 2

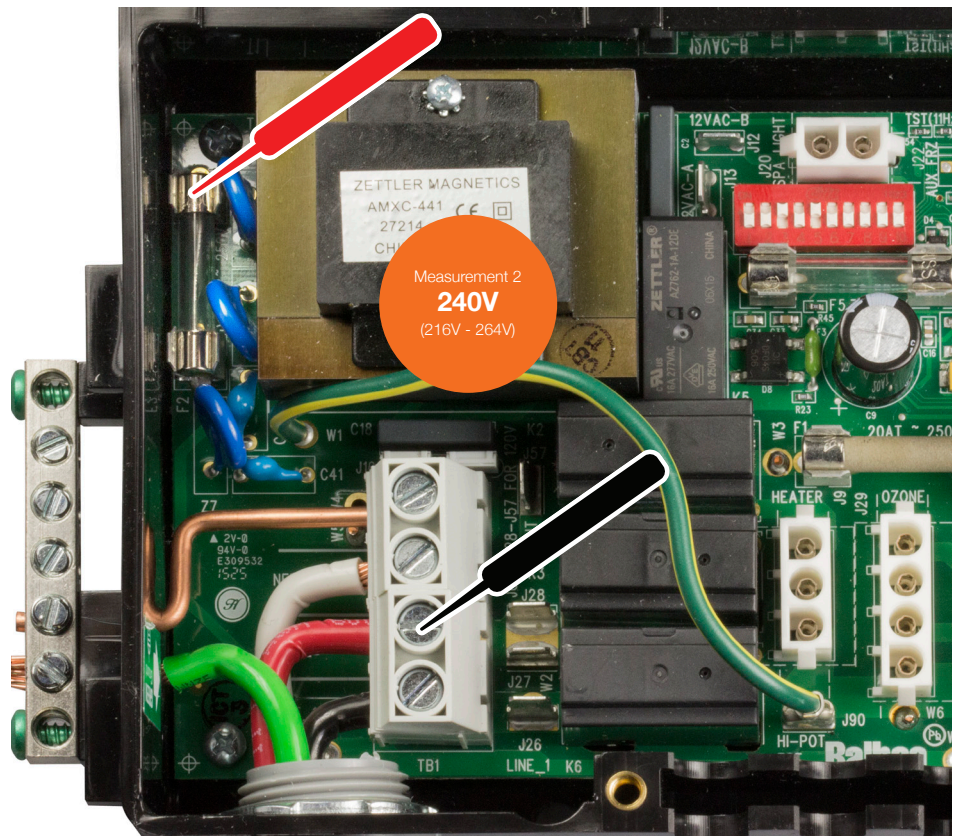
Measure voltage between the terminal block and fuse. The fuse is labeled F2 on the circuit board.

Fuse (F2)



If measurement 2 it is not 240V, replace the fuse.

If measurement 2 is 240V, replace the system pack.



STEP 3

Verify voltage at the GFCI.

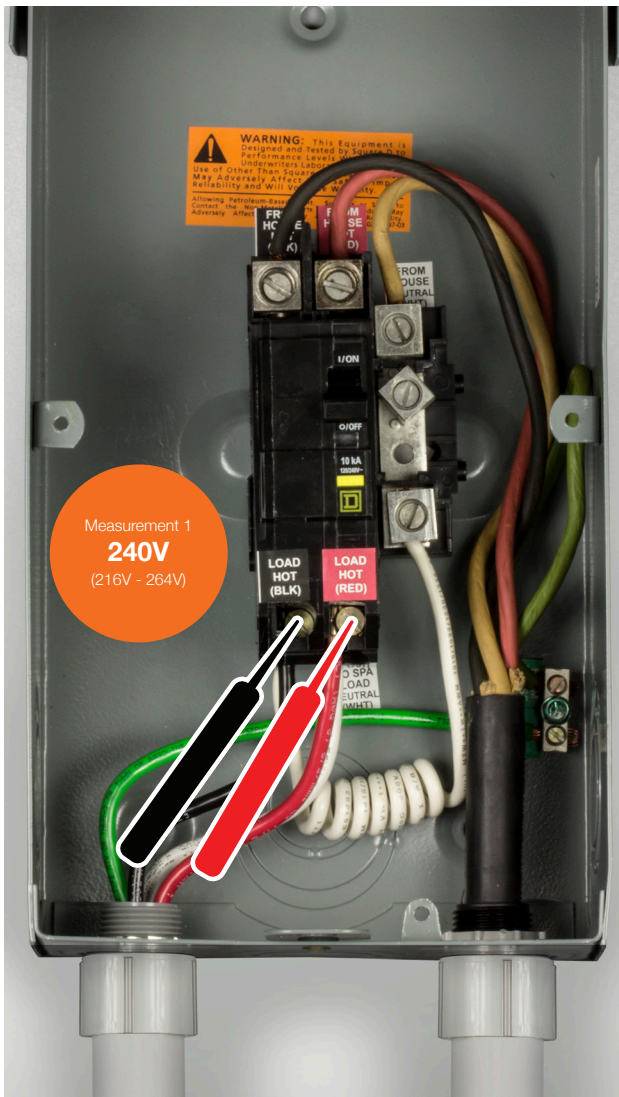
Measurement 1 is 240V.
LOAD HOT (BLK) to LOAD HOT (RED).

Measurement 2 is 120V.
LOAD HOT (RED) to LOAD NEUTRAL (WHT).

A - Remove faceplate from GFCI enclosure.



Faceplate removed.

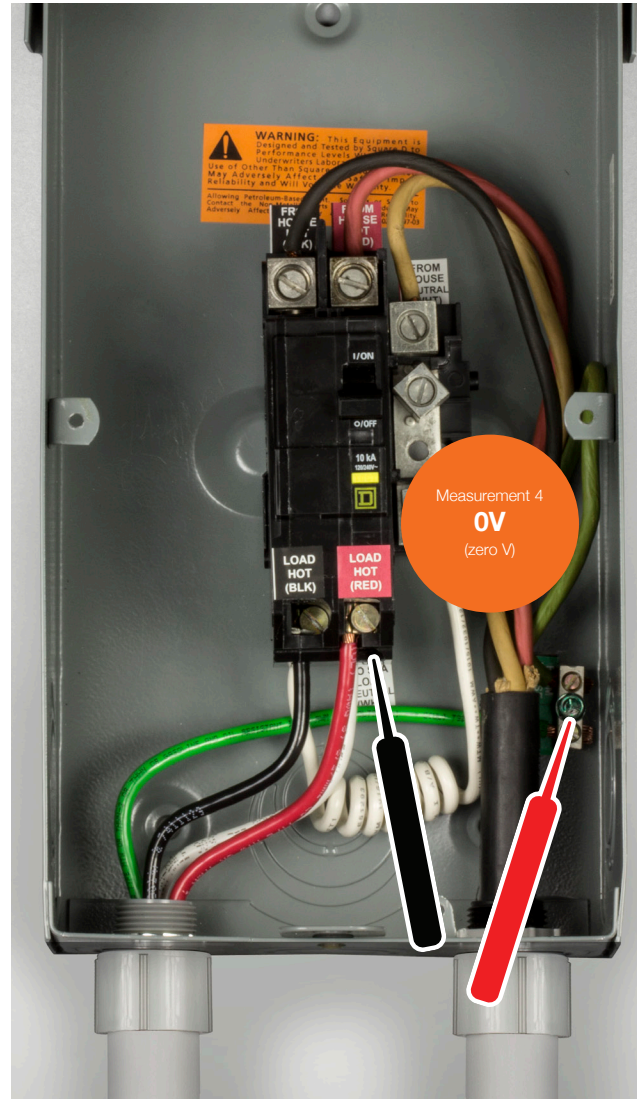


STEP 3

Measurement 3 is 120V.
LOAD HOT (BLK) to LOAD NEUTRAL (WHT).



Measurement 4 is 0V.
LOAD NEUTRAL (WHT) to GROUND (GREEN).



If measurements 1 - 4 are inaccurate, the service voltage is faulty. Call an electrician.