



**CONVERTING A 120V HOT TUB TO 240V:
A HOW-TO GUIDE FOR CERTIFIED ELECTRICIANS!**

BALBOA VS300 EQUIPMENT

This guide is intended for **certified electricians only**.

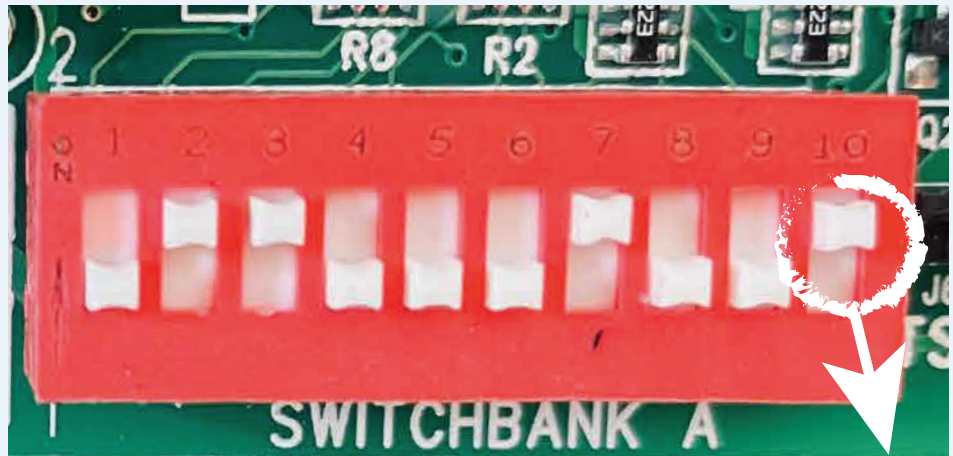
It is **strongly not recommended to do the conversion** if you are not a certified electrician.

Don't hesitate to read the user's manual that came with the hot tub. Lots of useful information is included.

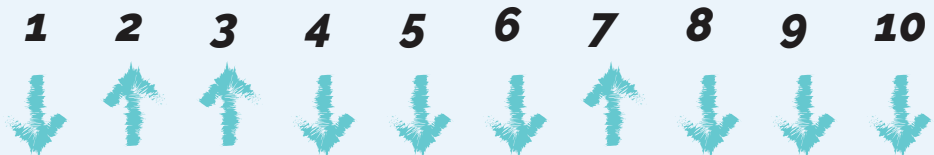
- 1 The **electronic box** is located under the keyboard, **behind the side panel**;
- 2 **Open the electronic box**;



- 3 **Change the DIP Switch**;
 - a) Turn **#10 to the OFF position** (down);



MAKE SURE THE SWITCHES ARE IN THE FOLLOWING POSITIONS:



CONVERTING A 120V HOT TUB TO 240V: A HOW-TO GUIDE FOR CERTIFIED ELECTRICIANS! BALBOA VS300 EQUIPMENT

- 4 Remove the **white cable** from **J11 to J32**:



- 5 **Connect the necessary cables** to the 240 V. See diagram in Annex 1 and information on wire in Annex 2;
- 6 **Close the electric boxseal**, the Thermofoil and **close the side panel**;
- 7 **Open the hot tub**. On the keyboard, start up numbers **should be 100, 59, 41, 24**. **If not, the spa is not on 240 V**

IMPORTANT

You must use a **40 amp GFCI** when on **240V**.

For **120V** use, a GFCI directly into the wire is provided and must **only be plugged into a dedicated 15 amp hot tub outlet**.



DON'T FORGET...

Remove the white cable that joins J11 to J32

– Otherwise, there is a risk of burning out the fuse or damaging the electronic board.

On the DIP switch, set position 10 down

– Otherwise, the hot tub will continue to heat as if it were on 120V.

Do not connect anything in the RED AC zone when on the 240V

– Otherwise, risk of overheating of the pump.

Install 3 wire stands

– If the electrician uses 2 wire stands, the spa will continue to operate on 120V.

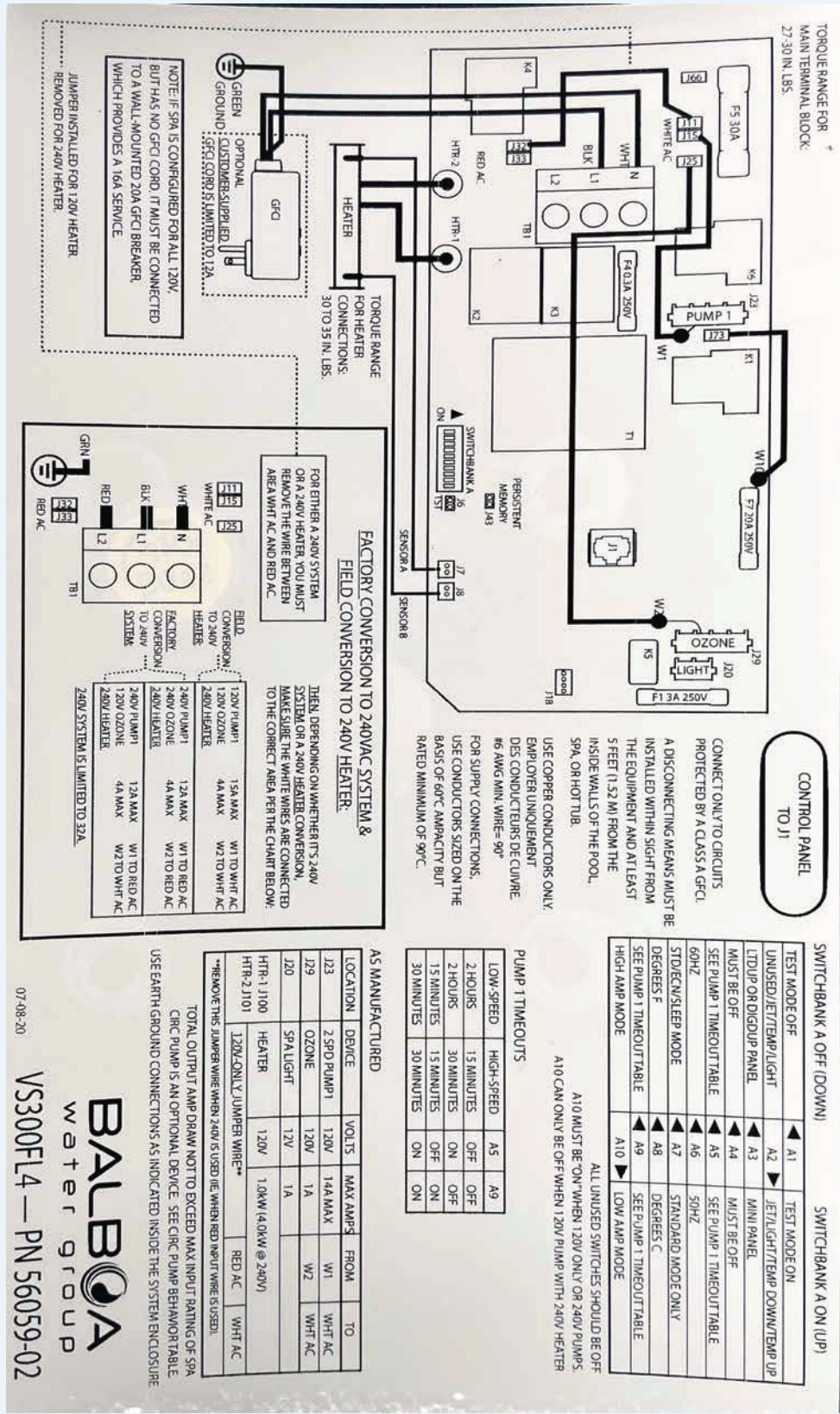
OZONE GENERATOR INSTALLATION

If you plan to install an ozone generator on the spa, install one that is a 120V. It will only operate during filter cycles. Please not, if you install an LX56 4.0hp pump, the cord on this pump may be too short to reach the spa pack, depending upon the spa model. You may need to remove and use the cord from the original pump.

For any questions, please contact our service department:

1 866 995-8646, ext 226 or 227

BALBOA ELECTRICAL BOX DIAGRAM



For any questions, please contact our service department:

1 866 995-8646, ext 226 or 227



V5300FL4 — PN 56059-02

07-08-20

INFORMATION ON WIRE

If you plan to operate your spa using a 220V electrical supply, you will be required to install a **220V 40A (minimum) GFCI breaker**.

You have to connect your spa to this **GFCI breaker** and your home **electrical panel**.

Which **wire** to use?

- 1 If the spa is **more than 50'** from the wall outlet: a grounded **6 AWG/3 wire**
- 2 If the spa is located **within 50'** from the wall outlet: a grounded **8 AWG/3 wire**

Don't forget, we recommend using a **certified electrician** to install your GFCI breaker and to connect your spa to your house electrical panel. If your spa only runs on a **220V electrical circuit**, no conversion is needed for the spa pack.

If your spa is convertible from 110V to 220V, you will find instructions to convert the spa pack on the inside of the spa pack cover.



For any questions, please contact our service department:

1 866 995-8646, ext 226 or 227