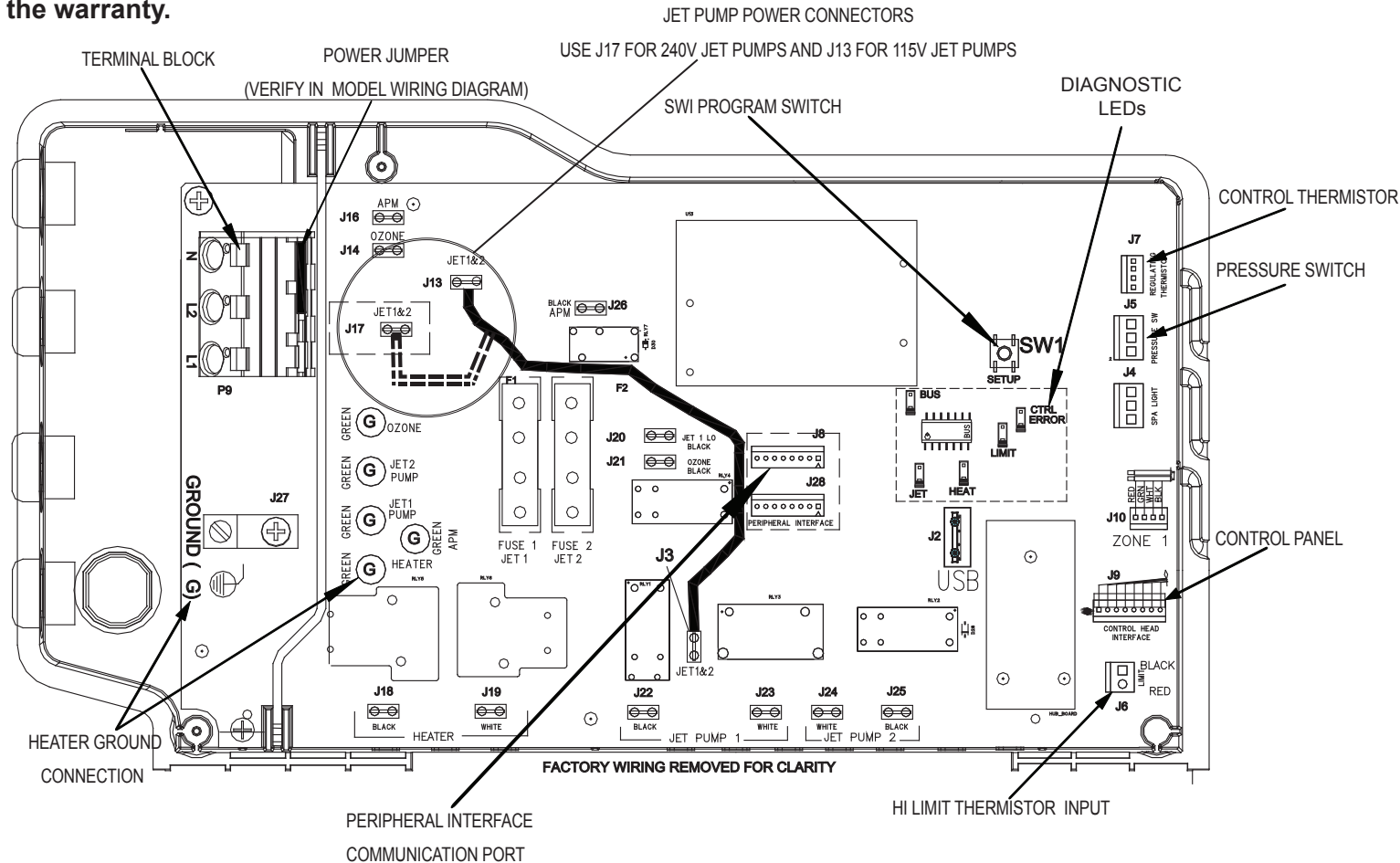


Hawk Control Box Assembly Replacement Instructions

Vacanza Domestic Models (2012 to Current)

IMPORTANT! Program Soft Jumpers must be set according to spa model. The program jumpers are shown in *Figure 4*.

WARNING! Before applying power to the control box, complete the entire procedure contained in these instructions. REMOVE OR INSTALL POWER JUMPER BASED ON INDIVIDUAL MODEL WIRING. Failure to properly set the jumpers may result in damages to the control box that are not covered by the warranty.



Tools Required:	
Safety Glasses	Phillips Screwdriver
Needle Nose Pliers	Masking Tape
Nut Driver	Permanent Marker
Standard Screwdriver	Pipe Wrench

Safety Glasses must be worn at all time during this procedure.

Replacement Procedure

Removing the old control box from the spa:

1. Disconnect power to the spa and access the equipment compartment.
2. On the front of the control box, remove the screws and take off the control box cover.
3. Disconnect the power supply from the terminal block.
4. Locate and disconnect the connections inside of the box, i.e. pump(s), control panel, ozone, and spa light.

Optional: Marking and tagging wires for removal - Mark each wire prior to removal by using masking tape and a permanent marker.

5. On the left side of the control box, disconnect the copper bonding wire(s).
6. Inside the control box, disconnect the heater by removing the black heater wires, ground wire and bonding screws using a nut driver. Unplug the HiLimit switch and the Pressure switch.
7. On the bottom of the equipment compartment, remove the mounting screws.
8. Lift the control box away from the base of the equipment compartment and remove.
9. If the control box is being returned with a warranty claim, be sure to package it in original factory packaging (use the packaging from the replacement box).

Installing the new control box

Mounting the new control box onto the bracket:

1. There are two legs on the bottom of the control box. Align tabs of these tabs to the old holes located at the bottom of the equipment compartment and tighten the screws of the leg tabs to the floor of the equipment compartment.

Connecting the control panel:

1. Inside the control box, on the lower right side, locate the control panel connector, J9.
2. Insert the 8-pin connector of the control panel into the jack via the opening in the right side wall of the control box. The plug is keyed and will only plug into the terminal when oriented correctly. If it is difficult to insert the plug you may have it backwards.

Connecting the components (applicable models):

1. Using needle nose pliers, press the component's wires or pin connector(s) into the applicable terminals in the box as follows:

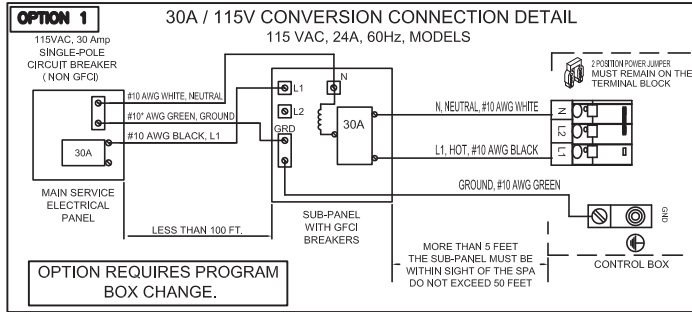
Pump #1:	Red (High Speed) – J20 White (Com) – J23 Black (Low Speed) – J22 Green (Ground) – JET PUMP 1	Pump #2:	Black (Low Speed) – J25 White (Com) – J24 Green (Ground) – JET PUMP 2
<i>Models: Palatino, Vanto, Marino, Aventine</i>		<i>Models: Palatino, Vanto, Marino</i>	
Ozone	Black (Low Speed) – J21	Heater	Black 1 – J18
	White (Com) – J14		Black 2 – J19
	Green (Ground) – OZONE		Green (Ground) – HEATER
Pressure Switch	Connector: J5	High Limit Thermistor	Connector: J6
Control Thermistor	Connector: J7	Light:	Connector: J4 (Blue Light) or J11 (Point Of Light)
HighLimit Thermistor	Connector: J6		

Wiring Diagrams:

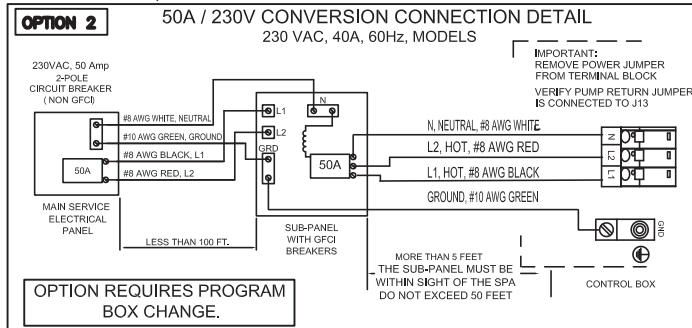
Electrical Requirements:

ALL SPAS MUST BE WIRED IN ACCORDANCE WITH ALL APPLICABLE NATIONAL AND LOCAL ELECTRICAL CODES. ALL ELECTRICAL WORK SHOULD BE DONE BY AN EXPERIENCED, LICENSED ELECTRICIAN. WE RECOMMEND THE USE OF APPROPRIATE ELECTRICAL CONDUIT, FITTINGS, AND WIRE FOR ALL CIRCUITS.

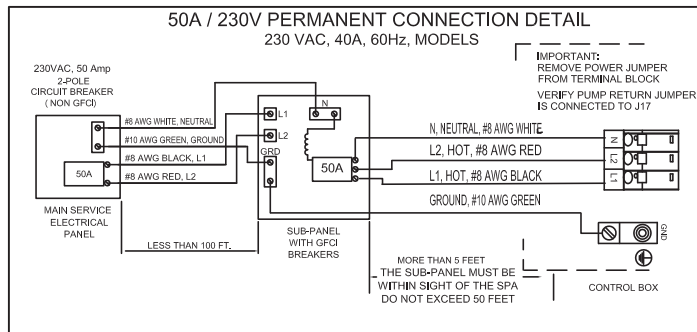
AVENTINE, 115V/20 AMP / 115V/30 AMP SETUP



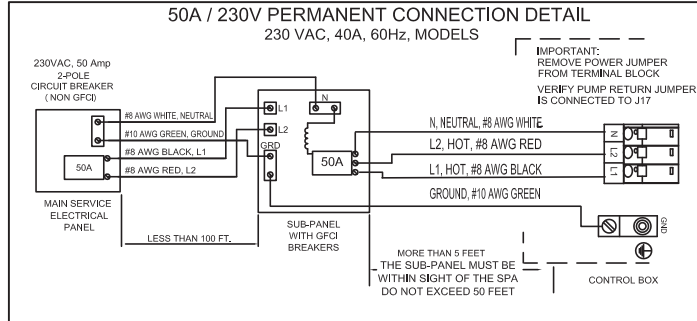
AVENTINE, 230V/50 AMP SETUP



MARINO / VANTO, 230V/50 AMP SETUP



PALATINO, 230V/50 AMP SETUP



Soft Jumper Set Up:

WARNING! HIGH VOLTAGE – RISK OF ELECTRIC SHOCK. YOU SHALL TAKE PROPER SAFETY PRECAUTIONS. DO NOT TOUCH ANY EXPOSED METAL ON THE CONTROL BOX.

- Make sure the power is ON.
- Wait for the home screen to appear. See *Figure 1*.

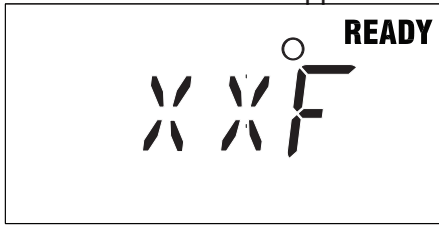


Figure 1

- Locate **SWI**, refer to *Figure 2*, and press 3-5 seconds for access to the jumper settings.
- To access the jumper settings you will need to press the **SET** button, the system software version will appear on the next two screens. See *Figure 3*

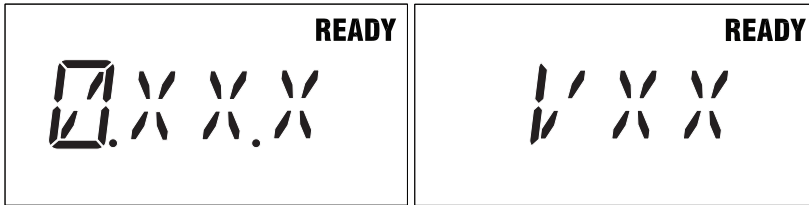


Figure 3

- Press **SET** button again to see the first Jumper setting. See *Figure 5*
- Set each jumper according to *Figure 4*. To change a jumper setting from + to - use the \uparrow TEMP button or the \downarrow TEMP button. See *Figure 5*

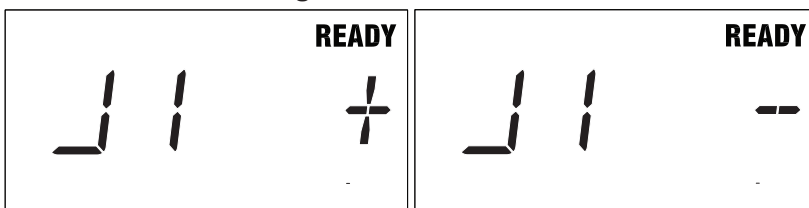


Figure 5

- Once every jumper has been set, scroll through all the jumpers again to check all are properly set by scrolling down with the **SET** button.
- Turn the spa power off.
- Turn the spa on and test all components for proper operation and to verify all jumpers were accurately set.

Completing the repair:

1. Secure the cover with the screws.
2. Close the equipment compartment and secure the door using the screws.

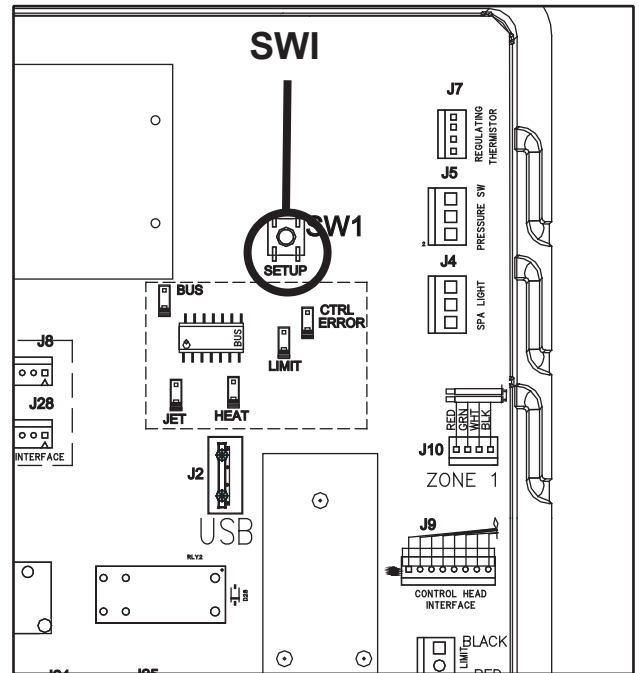


Figure 2

Key: - (Unjumped), + (Jumped)

Jumper	
J1	-
J2	-
J3	-
J4	-
J5	-
J7	-
J8	-
J9	-
J10	+
J11	-
J12	-
J13	-
J14	-
J15	-
J16	-
J17	-
J18	-
J19	-
J20	-
J21	+
J22	-
J23	-
J24	+
J25	-
J26	-

Figure 4