

# Thermo Spas Inc.

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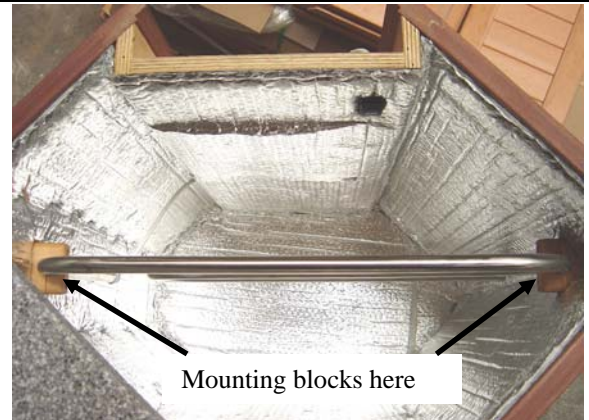
Effective Date	8-May-2004	Originator	Kelly Evans	Supersedes Instruction #	N/A
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## Mounting the Element in the Cabinet

Move the wooden mounting blocks so they are on opposing sides of the towel warmer element.

Mount the element so the top bar is approximately 27 1/4" from the bottom of the warmer compartment floor

Attach the element to the cabinet with 2 screws in each mounting block



## Wiring

Cut the wire 21" from where it comes out of the towel warmer element. Keep the rest of the wire, it will connect the switch to the power supply.

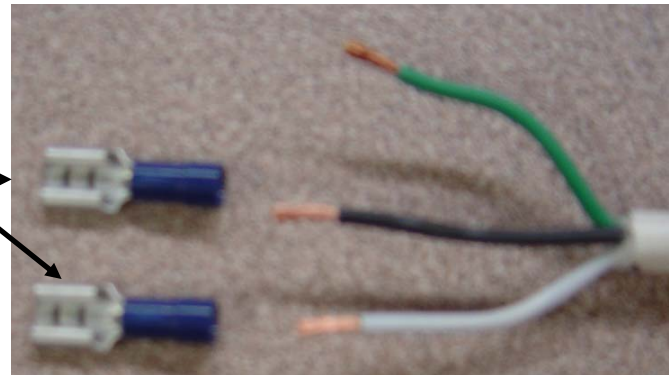
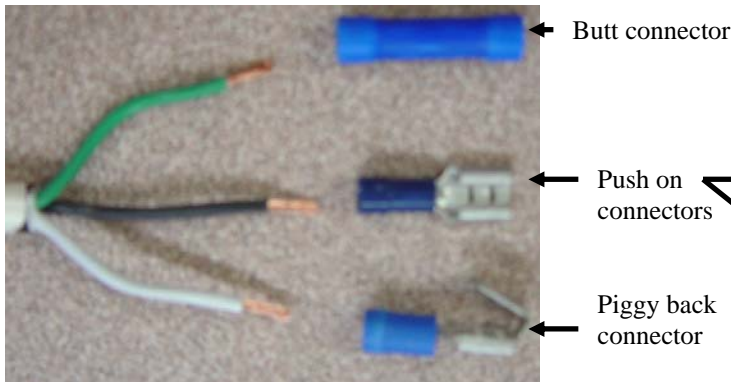
Strip the heavy white insulation back about 1 1/2" from the end of the wire on both the wire still attached from the towel warmer and the piece of wire you cut off. Be careful not to cut the insulation on the individual wires.

Strip the ends of the white, black and green wires back about 1/4" from the end of both the wire on the towel warmer and the piece you cut off.

Crimp terminals on the ends of the wires as shown

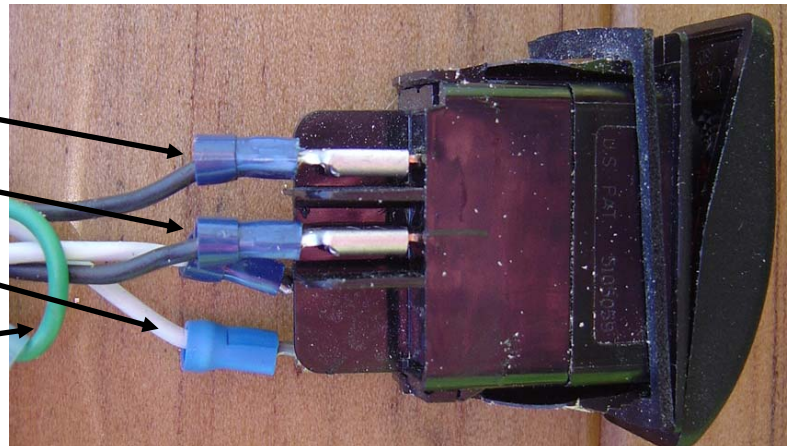
Wire attached to the towel warmer

Wire you cut off



The terminals on the switch are numbered. Connect the wires to the switch as shown

- Terminal # 3  
Black To towel warmer
- Terminal #2  
Black From power supply
- Terminal #7  
Both white wires.  
Connect the push on to the piggy back and connect to the switch
- Connect the 2 green wires using the butt connector The green wire does NOT connect to the switch



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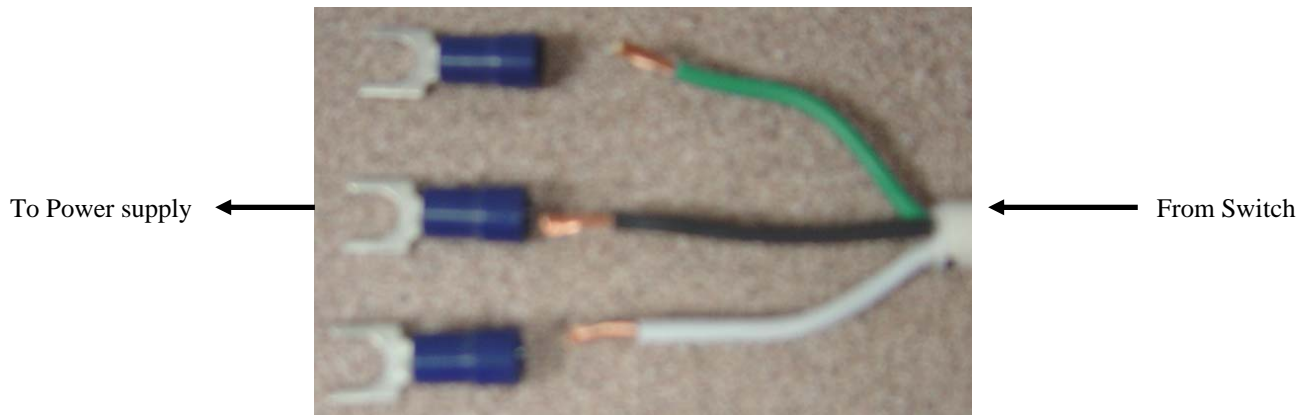
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Crimp terminals on the other end of the wire leading from the switch to the power supply as shown.



Coil up the wire from the switch with a zip tie for shipping. The connections to the power supply will be made during installation to the spa.

Wiring of the power supply. This is performed by the service area when the power supply is installed in the spa.

## Field Installation.

Determine which corner of the spa the towel warmer will be fitted. The towel warmer comes with enough cord to attach it to either front corner of the spa.

Put the cabinet up against the spa and make a mark on the corner of the spa behind where the switch is 18-24" off the ground. Move the cabinet aside.

Drill a hole about 1" in diameter on your mark. Make sure the hole is drilled so that the towel warmer cabinet will cover it, but the back of the cabinet does block the wire. Do NOT drill the hole in the center of the curved panel. You will hit the support and the back wall of the cabinet will block the hole.

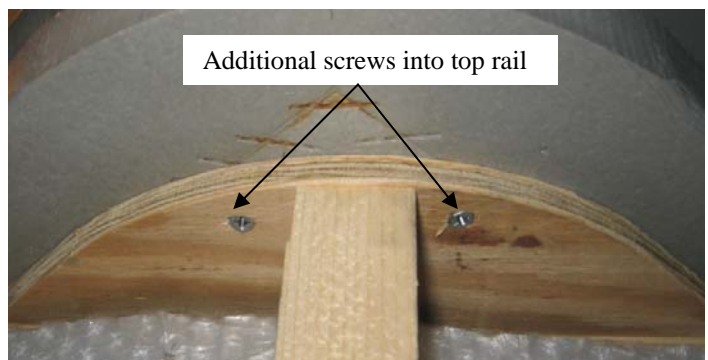
Remove the trim strips and corner covering from the corner where the cabinet will be fitted.

Attach the wooden corner support to the toe space and top rail with 1 1/4" galvanized screws. Pre-drill the holes for the screws into the top rail with 1/8" drill. Not pre-drilling the holes can result in the top rail splitting.

Make a small hole in the corner insulation for the wire to pass through. Try to keep the hole as small as possible. This will effect the insulation as little as possible.

Move the cabinet close to the spa, but leave yourself some room to work. While the corner covering is still off snake the wire through the corner covering and insulation into the spa cabinet.

Re-attach the corner covering and trim. The power supply is attached to the back of the accessory panel. The accessory panel is located next to where the pack is located.



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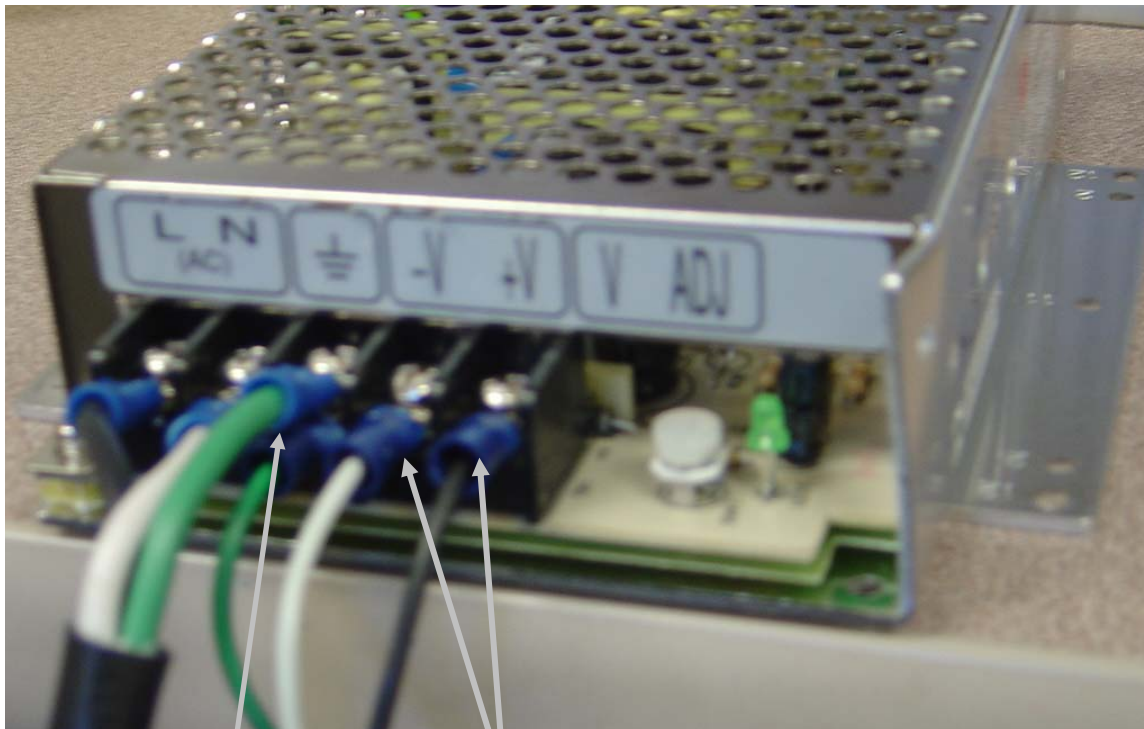
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## Power Supply Connection

The connection to the power supply is as follows:

Wire Color	Termination	Connect to
Black wire white jacketing to switch	Spade	+V
White wire white jacketing to switch	Spade	-V
Green wire white jacketing to switch	Spade	ground
Black wire black jacketing from splitter box	Spade	L
White wire black jacketing from splitter box	Spade	N
Green wire black jacketing from splitter box	Spade	ground

It should look like this:



From splitter box  
AC power in

Both green wires  
share the ground  
terminal

To switch  
DC power out.