



# MASTERTEMP® & MAX-E-THERM® HEATER GROUND WIRE KIT (KIT P/N 475214Z)

## GROUND WIRE INSTALLATION INSTRUCTIONS

### **⚠ WARNING**



**FAILURE TO FOLLOW ALL INSTRUCTIONS AND WARNINGS CAN RESULT IN SERIOUS BODILY INJURY OR DEATH.**

THIS PRODUCT SHOULD BE INSTALLED AND SERVICED ONLY BY A QUALIFIED POOL SERVICE PROFESSIONAL.

INSTALLERS, POOL OPERATORS AND OWNERS MUST READ THESE WARNINGS AND ALL INSTRUCTIONS IN THE **HEATER INSTALLATION AND USER'S GUIDE** BEFORE USING THIS PRODUCT. ***THESE INSTRUCTIONS MUST BE LEFT WITH THE POOL OWNER.***

Warnings and safety instructions for Pentair Aquatic Systems pumps and other related products are available at: <http://www.pentairpool.com/safety-warnings> Call (800) 831-7133 for additional free copies of these instructions.

### **⚠ WARNING**

**BEFORE STARTING THE GROUND WIRE INSTALLATION PROCEDURE:**

- 1. SWITCH OFF POWER TO THE HEATER.**
- 2. SWITCH OFF POWER TO THE PUMP.**
- 3. PROCEED WITH GROUND WIRE INSTALLATION ON FOLLOWING PAGE.**

**IMPORTANT SAFETY INSTRUCTIONS  
READ AND FOLLOW ALL INSTRUCTIONS  
SAVE THESE INSTRUCTIONS**

# INSTALLING THE GROUND WIRE ON THE HEATER

When installing the ground wire, **basic safety precautions** should always be followed. Read and follow all instructions.

Required installation tools:

- Flat screw driver
- 7/16" nut driver bit
- 3/8" nut driver

Kit Contents:

- 9" wire with attached terminal ring.
- Installation instructions.

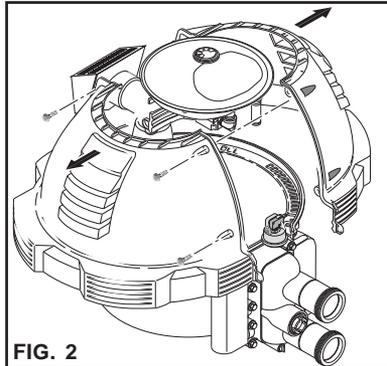
The ground wire can be installed in either of two locations:

**Ground Wire Location 1:** Install the ground wire on the 1/4" weldstud located on the flame holder plate. (See Fig. 5).

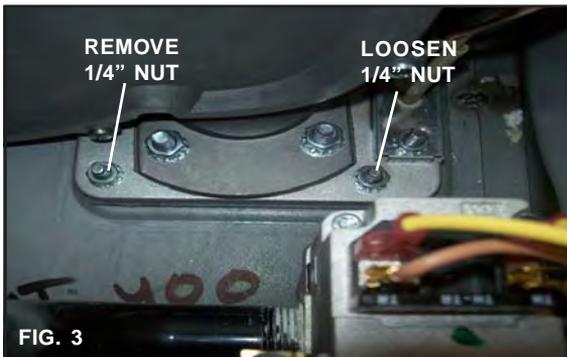
**Ground Wire Location 2:** Install the ground wire on the #10 screw located on the bottom of the control box. (See Fig. 6 ).

To Install the ground wire on the heater:

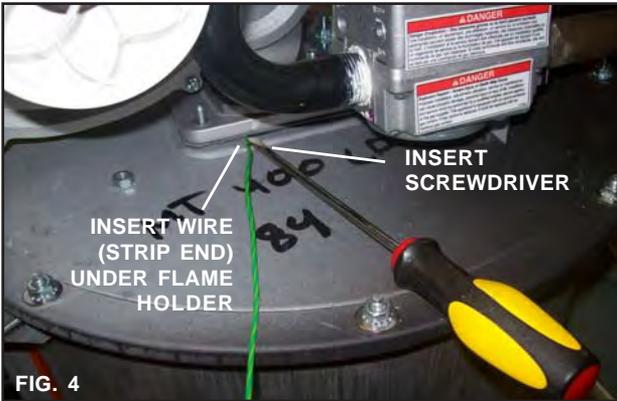
1. **MasterTemp Heater:** Remove right side panel from the heater (Fig. 1).  
**Max-E-Therm Heater:** Remove the four bolts from the heater jackets. Remove the upper jackets halves from the heater (Fig. 2).



2. Loosen the two base nuts. Remove the 1/4" nut from flame holder plate. (Fig. 3).



3. Insert a flat blade screwdriver between the bottom gasket and the flame holder and pry up the flame holder. Slide the ground wire with strip end between flame holder and bottom gasket. (Fig. 4).



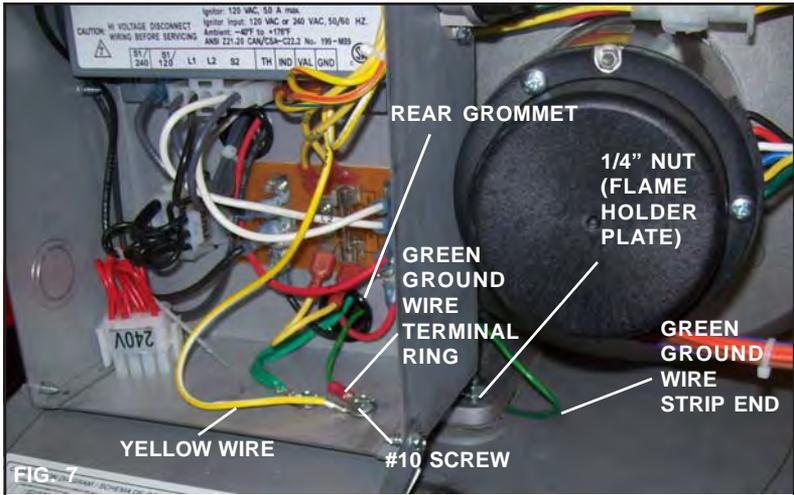
4. **Ground Wire Location 1(Valve side of heater):** Install the terminal ring on the 1/4" weldstud. Tighten the 1/4" nuts to secure the terminal ring and flame holder plate in place. (Fig. 5).



5. **Ground Wire Location 2 (Blower assembly side of the heater):** Open the control box cover. (Fig. 6).



6. Route the terminal ring through the rear plastic grommet located inside the control box. (Fig. 7).
7. Remove the #10 screw securing the yellow wire.
8. Install and tighten the green ground wire terminal ring and the yellow wire terminal with the #10 screw (Fig. 7).
9. Tighten the 1/4" nuts to secure the flame holder plate. (Fig. 7).



10. MasterTemp Heater: Reinstall the side panel onto the heater. (See Fig. 1).

Max-E-Therm Heater: Reinstall the upper jackets halves onto the heater and secure with the four bolts. (See Fig. 2).

The ground wire installation is complete.

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