

LAING STYLE HEATER INSTALLATION INSTRUCTIONS



⚠ ATTENTION! Read all steps prior to performing work. This service repair should be performed by a licensed electrician or qualified service professional.

⚠ WARNING: It is the responsibility of the installer to confirm the flow/pressure switch, sensors and pump are working correctly once the replacement heater is installed. Damage to the heater due to faulty safety devices or improper installation are not covered by the limited product warranty.

STEPS FOR A SUCCESSFUL INSTALLATION

Step #1 **WARNING!** Make sure the power is disconnected from the spa before attempting this service.

Step #2 Confirm that your new heater is a direct replacement and is the same wattage as the old one.

! It's the responsibility of the installer to inspect the heater for any shipping damage.

● **DO NOT attempt to install a heater that appears damaged or is the incorrect model.**

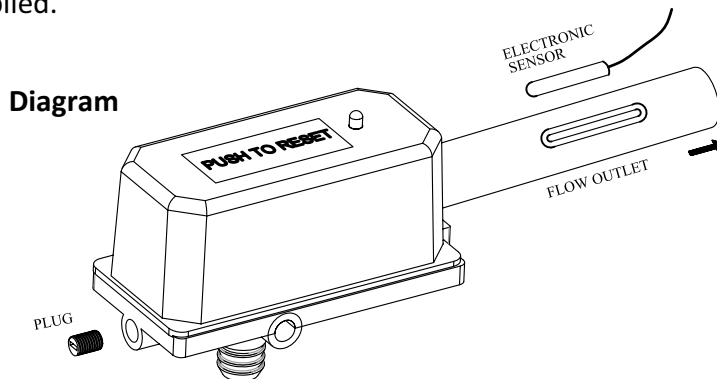
! Only reuse terminal screws, hose clamps, barbs, mounting nuts and the high limit sensor if found to be in working condition.

Step #3 Heaters may be supplied with additional parts for field conversion. Electrical connectors must be applied with a proper tool for attaching connectors to #10 wire. Some kits include a 1/8" threaded plug to seal the bypass port when not utilized (see diagram). Detailed flow switch instructions are provided within the switch kit.

- Step #4** All wire terminal connections including the bonding wire must be tightened securely.
- WARNING!** Loose wire terminals can cause severe damage to heater wiring and is not covered under warranty.
- Step #5** On control systems that include a cabled electronic high limit device (see diagram) the sensor must be securely fastened to the heater tube in the same exact location. If the sensor was covered with insulating material, the material must be reinstated over the sensor to prevent exposure. Heaters provided with flow switch must be installed on the flow outlet side of the heater. Ref. flow switch kit instructions and see diagram.
- Step #6** Once the electrical and plumbing connections are complete and the heater is operational, it is the installers responsibility to inspect for leaks from the heater and connecting plumbing. Also, correct flow/pressure switch operation must be confirmed when the pump is both ON and OFF.

TROUBLESHOOTING

- Problem No Heat
1. Confirm circulation pump is moving enough water. Check for closed valves, clogged pump, air bubble in pump, kinked water supply tubing, dirty spa filter, and flow switch paddle not closing (Ref. Flow Switch instructions).
 2. Locate high limit button on heater and push to reset (see diagram). Note that if pressing the button solves the issue, the heater may be receiving low water flow, causing it to trip. Review symptoms in #1 for possible reasons for low water flow. Contact your heater supplier if high limit continues to trip.
 3. Review electrical connection points for proper location and confirm voltage is being supplied.



ATTENTION! Removing the product labels, disassembling or altering the heater voids the product warranty. Additional limited warranty information provided with these instructions.

LIMITED PRODUCT WARRANTY INFORMATION

To all original purchasers, this heater is warranted to be free from defects in material and workmanship for a period of one year from the date of manufacture.

All warranty claims and product returns must be handled through your heater provider (no exceptions).

Data label contains information important to identification and warranty period. DO NOT REMOVE PRODUCT LABELS

Product returns determined to have shipping damage, alterations, signs of chemical corrosion, dry fire, abuse, out of the warranty period or with a missing data label will not be considered for warranty.

Purchaser is responsible for removal and re-installation labor, freight charges, or any other such costs incurred in obtaining warranty service.