

Pressure Switch Installation Instructions

⚠ WARNING

FOR YOUR SAFETY - This product must be installed and serviced by a contractor who is licensed and qualified in pool equipment by the jurisdiction in which the product will be installed where such state or local requirements exists. In the event no such state or local requirement exists, the installer or maintainer must be a professional with sufficient experience in pool equipment installation and maintenance so that all of the instructions in this manual can be followed exactly. Before installing this product, read and follow all warning notices and instructions that accompany this product. Failure to follow warning notices and instructions may result in property damage, personal injury, or death. Improper installation and/or operation can create carbon monoxide gas and flue gases which can cause serious injury, property damage, or death. Improper installation and/or operation will void the warranty.

These instructions are to be used with the following Jandy® Replacement Kits:

R0013200 -- 2 PSI Pressure Switch Replacement Kit

R0013201 -- 2 PSI Pressure Switch Replacement Kit

⚠ WARNING

If the information in these instructions is not followed exactly, a fire, explosion, or a carbon monoxide hazard may result causing property damage, personal injury or death.

This document gives instructions for replacing the Pressure Switch in Aquadyne, AquadyneII, Mark III, Mark IV, Mark V, Mark XE, Series 1, Series 2, HI-E, HI-E2, Lite 2™, LXi™ and Legacy™ model pool/spa heaters. The instructions must be followed exactly.

These instructions were written with safety as the priority. Not following the written procedure or taking short cuts may increase the risk of personal injury. Read through the instructions completely before starting the procedure.

Before starting the procedure, use the parts list at the back of these instructions to identify the parts that are in your kit. If any parts are missing from the kit, please call your local Jandy distributor for assistance. For technical assistance, please contact our technical support department at (800) 822-7933.

⚠ WARNING SHOCK HAZARD!

Turn off all switches and the main breaker in the pool/spa heater electrical circuit before starting the replacement procedure. Failure to comply may cause a shock hazard resulting in severe personal injury or death.

A. Replace the Pressure Switch

1. Turn OFF the electrical power to the heater. Turn OFF the main gas supply to the heater at the meter or the manual gas cock outside the heater.
2. Remove door from heater.

⚠ CAUTION

Be careful not to create any kinks in the pressure switch copper tubing.

3. Remove pressure switch being careful not to kink pressure switch tubing.
4. Install the new switch on the compression nut of the tube assembly and tighten to secure from leaks.
5. Reconnect the wires.
6. Turn electrical power ON to heater. Turn ON main gas supply.

B. Adjust the Pressure Switch

⚠ CAUTION

The water pressure switch should be adjusted to turn the heater off when the pump is off. Setting the switch to close at too low of a flow can damage the appliance. Adjust the switch to turn the heater off, not on.

The pressure switch is preset at the factory for activation at 2 psi (14 kPa). Do not adjust the pressure switch if the heater is installed more than 15 feet (4.57 m) below the pool surface. Consult your local Jandy representative for recommendations.

On some installations, the piping from the heater to the pool is very short. The back pressure could be too low to trigger the pressure switch. If this happens,

it may be necessary to install a directional fitting or elbows where the return line enters the pool. This will increase back pressure enough for the heater to operate properly.

Make sure the pool filter is clean before making any pressure switch adjustment. A dirty filter will restrict the water flow and the pressure switch cannot be adjusted properly.

To adjust the pressure switch, proceed as follows:

1. Set the heater control to OFF.
2. It may be necessary to remove the side panel above the front header to access the water pressure switch.
3. Start the filter pump and confirm by means of a voltmeter that the pressure switch closes (if the switch fails to close, either replace it with a switch that has a lower minimum setting or add additional back pressure by reducing the eye ball fittings in the pool).
4. Turn the heater ON.
5. With your fingers, turn the adjustment sprocket very slowly clockwise until the heater goes off.
6. Slowly turn the pressure switch adjustment sprocket counterclockwise one-quarter turn. The heater should come back on.

7. Check the adjustment by turning the filter pump OFF. The burners should shut off immediately. If they do not, restart the filter pump and repeat Steps 6 and 7. Check the adjustment again.
8. Return the pool temperature control to the desired temperature.

It may be necessary to repeat these steps to get a proper setting. The switch must be set so that the heater will not fire unless the pump is running. If a proper setting cannot be reached, contact the technical support department at (800) 822-7933.

9. Reinstall the door.

B. Replacement Kit List

The following table is for your reference. To order additional parts, please contact your local Jandy Distributor.

Replacement Kit List		
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