

RAYPAK SERVICE INSTRUCTIONS

LOW NOX MODEL 407 POOL & SPA HEATERS AIR PRESSURE SWITCH KIT 010355F

IMPORTANT NOTICE

These instructions are intended for use by qualified personnel specifically trained and experienced in the installation of this type of heating equipment and related system components. Installation and service personnel may be required to be licensed in some states. Persons not qualified shall not attempt to install this equipment nor attempt repairs according to these instructions.

DANGER - SHOCK HAZARD

Make sure electrical power to the heater is disconnected to avoid damage to components, potential serious personal injury or death. Make sure the gas to the heater has been shut off.

WARNING

Make sure **water, gas & power** have been turned **OFF** before making any repairs or servicing this equipment.

SCOPE

The kit provides for a field replacement Air Pressure Switch for Raypak Model 407 Pool and Spa Heaters.

THIS KIT INCLUDES:

- 1x Air Pressure switch
- 1x Cable tie
- 1x #8 x 1/2" hex / tap screw

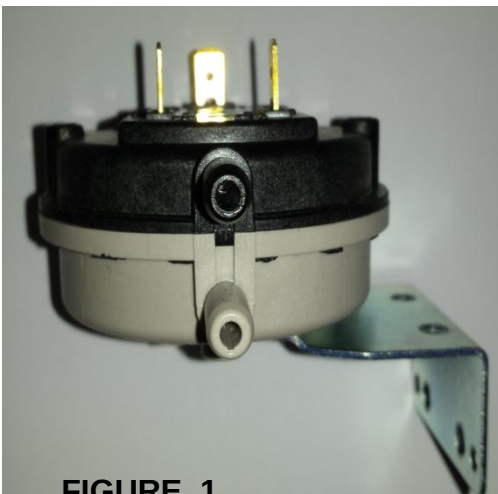


FIGURE. 1



**PROCEDURE FOR AIR PRESSURE SWITCH REPLACEMENT
(MODEL 407 LOW NOX POOL & SPA HEATERS)**

1. Turn off electrical power to the heater.
2. Turn off gas to the heater.
3. Turn off the pump.
4. Allow the heater to cool down before attempting to install this kit.
5. Locate the front of the heater.
6. Use a slotted screwdriver to unscrew the knurled slotted screw. (See **Figure 2**).
8. Remove the door by pulling it outward.
9. Locate the air pressure switch. (See **Figure 3 & 4**).
10. Remove the two (2x) 5/16" hex head screws that attaches the air pressure switch to the heater's alcove wall. (See **Figure 4**) The air pressure switch will be loose.
11. Cut the plastic wire tie that secures the air hose onto the air pressure switch's hose fitting. After the wire tie is removed, the hose will pull off the switch's hose fitting. (See **Figure 4**)
11. Remove the two violet/black stripe wires on the common push-on connector attached to the "NO" (normally open) post on the air pressure switch. (See **Figures 4 & 5**)
12. Remove the white/violet stripe wire that is connected onto the "C" (common) post on the air pressure switch. (See **Figures 4 & 5**)
13. Install the replacement air pressure switch onto the same screw holes on the alcove wall. Reuse the same 5/16 hex head screws that located the original air pressure switch.
14. Install the air hose onto the hose fitting marked "P2" and "—" on the white side of the switch.
15. Install tie wrap around air hose at base of hose fitting and pull tight. Cut away excess. (See **Figure 5**)
16. Reverse steps 12 through 1 to complete repair and bring heater back into operation.
(See **FIGURE 6** for wiring diagram)

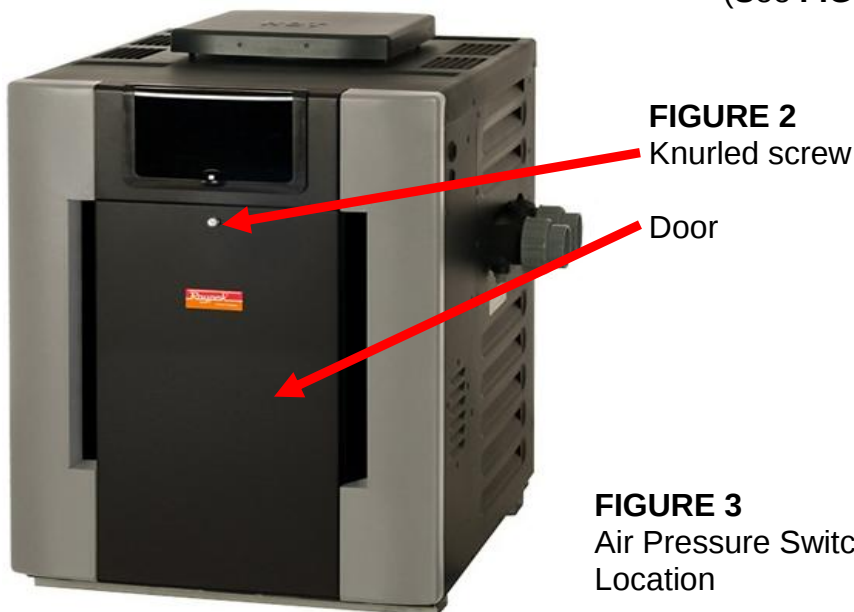


FIGURE 3
Air Pressure Switch
Location



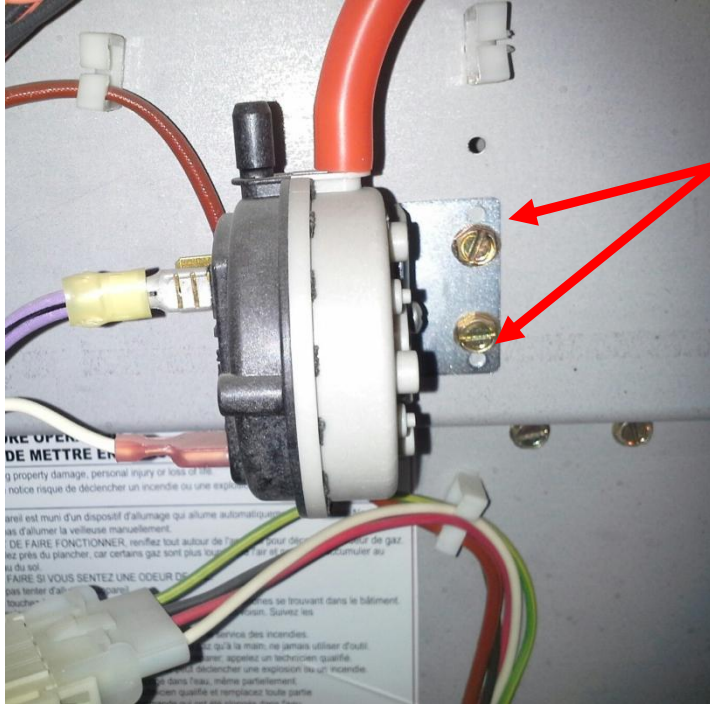


Figure 4

Air pressure switch location showing mounting bracket and two (2x) #8 x ½" hex head screws.

Remove the two screws and the switch will be loose.

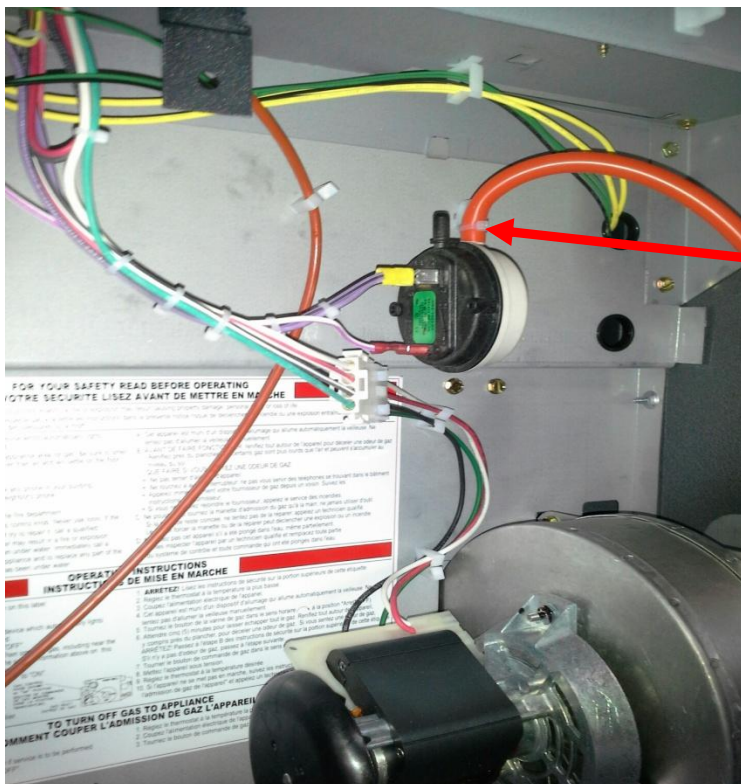


Figure 5

Air Pressure Switch location with correct electrical connections on the "P1" post and the "C" post. Nylon wire tie is placed around air hose fitting at base of connection.