



TECHNICAL SERVICE DEPARTMENT
Technical Service Bulletin
1-800-432-8373



Pressure Switch Replacement
Energy Star II 43VP...E2 Series

We are starting to see a few field issues with the new ESII Power Vents (43VP...E2); specifically, the error code related to the failure of the pressure switch.

46	Three Flash, three second pause	Pressure switch failed open.	Vent blockage or improper installation, switch tube blockage, faulty switch, blower improper operation or temperature switch open
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This failure seems to be specific to tall models that have very long runs of 2" venting. While the units may be installed in compliance with the current venting tables found in the Use and Care manual, we are learning that runs of 2" vent may cause the pressure switch to remain closed. We are already working on a solution that will eliminate these nuisance lock outs.

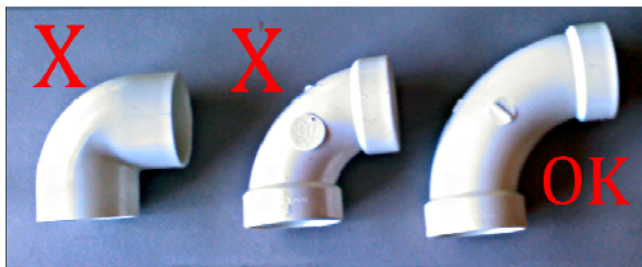


There are a couple of solutions if you experience that situation:

- 1) You can increase the vent size to 3" and the problem will resolve itselfor.....
- 2) You can order a no charge replacement pressure switch through Technical Service. That part number is AP13909.

In the meantime, we suggest:

- Use 3 inch vent when in doubt. We have not seen any problems when using 3 inch vent.
- Minimize the vent run when using 2 inch vent. It appears the units fail when the total equivalent vent run is close to the maximum distance outlined in the use and care manual.
- Use long sweep 90 degree elbows if you must use 2 inch PVC vent. Those fittings offer less resistance (back pressure) to the gases being discharged.



To replace the pressure switch:

Turn heater OFF at power switch.



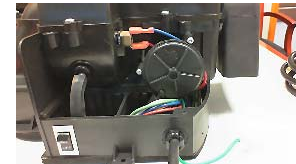


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Using TORX 20 screwdriver, remove the 3 retaining screws on the cover.



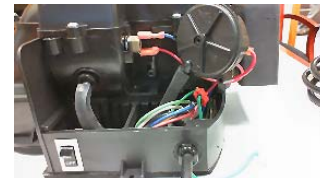
Remove cover.



Using TORX 10 screwdriver, remove the 2 retaining screws on the pressure switch.



Disconnect pressure switch from rubber hose. Disconnect two red wires from the back of the pressure switch.



Replace switch in reverse order with pressure switch -0.85 rating.
Reconnect red wires in any order. Reconnect rubber hose.



Reassemble in reverse order.