

### ***Error Code 90***

Explanation: Blocked Flue. The venting system has failed the pre-purge test. At a minimum check the following:

1. Ensure maximum vertical vent length and elbows do not exceed allowable limits.
2. Ensure maximum horizontal vent length and elbows do not exceed allowable limits.
3. Check heat exchanger flapper valve at vent connection of water heater moves freely.
4. Is the entire vent structure clear and clean of any obstructions?
5. Remove all obstructions. Check the vent termination on the outside of the building and the flapper valve at the top of the heat exchanger
6. You may rule out the venting by temporarily disconnecting the vent structure from the water heater. If this fixes the problem, then the issue lies in the venting. If this does not fix the problem, then the issue lies in the blower motor or printed circuit board.