

Error Code 82

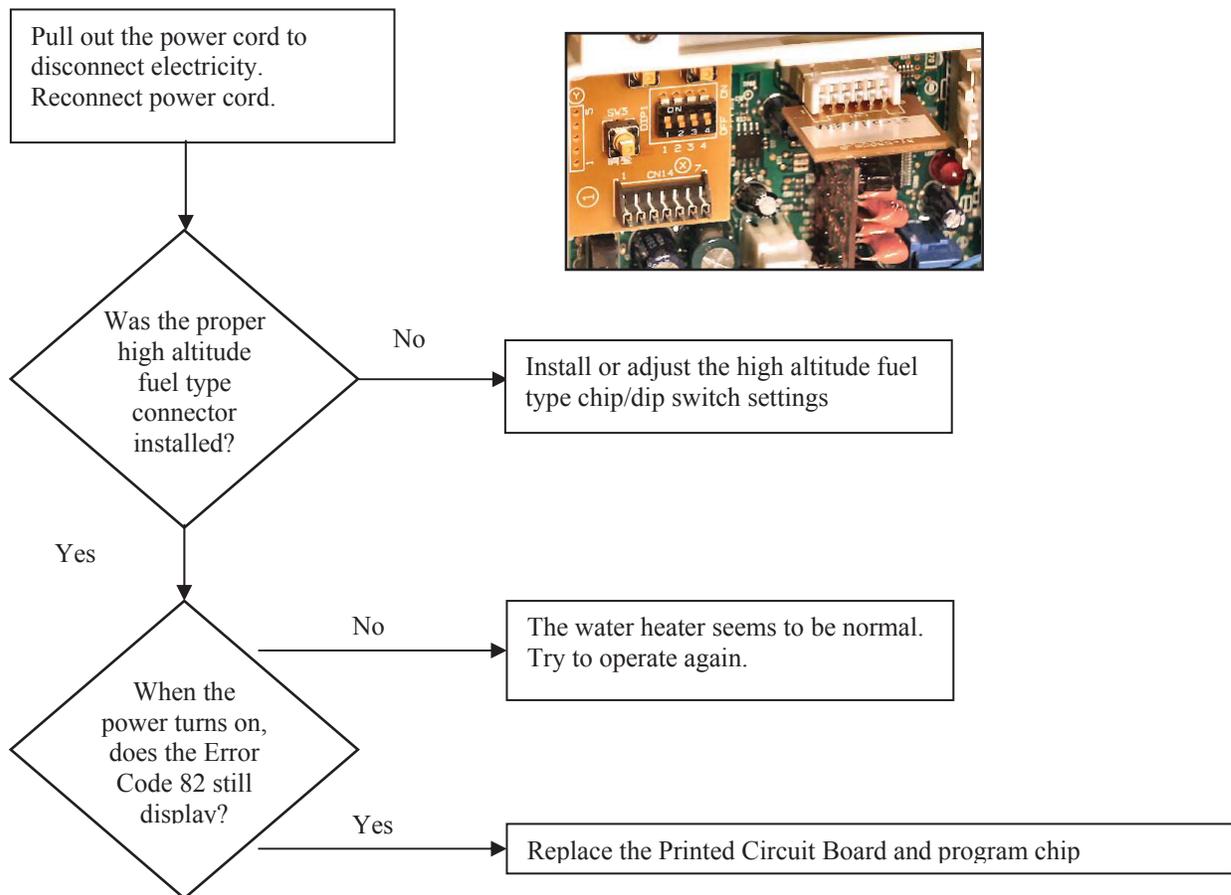
Explanation: Gas Type Control Data Failure; Printed Circuit Board data failure. The PCB has not been programmed, lost its programming or has failed.

At a minimum check the following:

3. Check for the presence of the program chip installed on the PCB.
4. If the unit has operated for a period of time after installation, then the PCB was programmed.

5. If the unit does not operate on initial installation or after replacement of the PCB, then the circuit board requires programming with the fuel type and altitude chip.

WARNING: When replacing High Altitude Connector, turn off the electric power to water heater.



Install & adjust the proper Program chip according to the instruction. A different Program chip is required for every 3,280 feet. The Program chip is not interchangeable between Indoor and Outdoor models or type of gas. Check the number on the High Altitude Connector.

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.