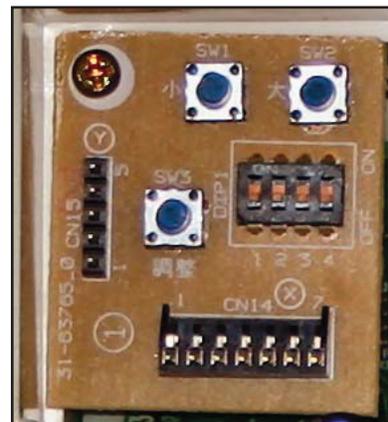


Clearing the Fault History

1. Turn the unit OFF. Remove the front cover. Locate the dip switches on the control board.
2. Make sure all the dip switches are OFF (down position).
3. Locate the #1 dip switch and turn it ON; then turn it OFF.
4. Within 5 seconds of turning the dip switch off, press and hold the MIN (SW1) or MAX (SW2) button for at least 2 seconds.
5. The remote control will flash briefly. This is your signal that the fault history has been cleared.
6. You can verify clearing of fault history by entering Maintenance Mode and check the code at location 1E. It should read NULL or □ .



Adjusting the Burner Control Assembly (Printed Circuit Board)

The purpose of this procedure is the balance the fuel pressure and air volume at the burner manifolds. This procedure will ensure that you get optimal performance of the modulating characteristics of the unit by allowing firing rates between 19,000 BTU (minimum) and 199,900 BTU (maximum).

WARNING: You will need to perform this procedure when you replace the PCB or install a new altitude chip. Without the adjustment, the water heater may not function properly.

When replacing the printed circuit boards adjust as follows.

Measurement of Fan Pressure:

Measure the fan pressure before adjusting the burner manifold pressure. The fan pressure differs depending on models, types of gas and installation condition. Measure the fan pressure at each installation site.

1. Measurement of "Minimum" Capacity
 - a. Without opening the hot water tap, push the "SW1" Button on PC Board.
 - b. Using the manometer, measure and record the pressure (in. w.c.).
2. Measurement of "Maximum" Capacity
 - a. Without opening the hot water tap, push the "SW2" Button on PC Board.
 - b. Using the manometer, measure and record the pressure (in. w.c.).

Adjustment of Burner Manifold Pressure:

NOTE: Always start from "Minimum" when adjusts the burner manifold pressure. The display is on remote control. Always connect the remote control to monitor this procedure.

1. Adjustment of "Minimum" capacity
 - a. Open the hot water tap gradually until the water heater ignites at the minimum