CLEANING FLAME DETECTOR

MODELS: 240FX, TK1

1. Turn off gas and power to heater.
2. Remove front cover of heater.
3. Remove the front cover of the combustion chamber by following these steps in order (Fig A).
   a. Remove phillips head screw holding flame detector ground wire to combustion chamber front (Fig A #1).
   b. Remove phillips head screw holding electrical component bracket (Fig A #2).
   c. Remove 4 remaining phillips head screws (Fig A #3) along top and bottom of combustion chamber front.
   d. Pull combustion chamber front panel forward and off, leave tube to pressure switch connected.
4. Remove inner cover of combustion chamber marked FT5 (Fig B).
   a. Carefully bend 4 metal tabs (Fig B #1) straight so that inner cover can be pulled off tabs and remove 2 phillips head screws (Fig B #2) on either side of inner cover.
   b. Pull inner cover carefully from tabs, completely removing cover and exposing the entire combustion chamber.
5. Flame detector rod is farthest back on right hand side of combustion chamber (Fig C #1). Polish lightly with fine sandpaper or emory cloth.
6. Reassemble by reversing steps 2-4.
7. Return power and gas to heater, initiate water flow and heater will light.
8. Return to normal service.