

CLEANING AND REPLACING FLOW SENSOR

MODELS: 240FX, TK1



WARNING

LP & NG ARE EXTREMELY FLAMMABLE SO
TAKE EXTRA PRECAUTIONS WHEN
PERFORMING ANY WORK TO THE HEATER

1. Disconnect the power to the 240FX
2. Remove the cover of the 240FX by first removing the two Philips head screws in the upper left and right front hand corners of the unit.
3. First turn off the inlet water supply and remove the inlet filter on the cold supply line immediately before the heater. This will drain the majority of the water out of the 240FX heat exchanger. If you have an outlet valve on the unit you may also want to close it to keep from draining additional water from the rest of your plumbing.
4. Locate the flow impeller by following the water supply line entering into the unit. The flow impeller is a gray irregular shape with four small Phillips head screws located just above the GFI near the bottom left hand corner of the unit. In order to gain access to the flow impeller you may need to push aside some of the wires connecting to the circuit board.
5. Once the Philips head screws have been removed pull the entire gray plastic cover of the flow sensor away from the brass water pipe. (Note: the gray plastic cover is made up of two pieces – take care not to pull apart the gray plastic cover.) It is a good idea to have a cloth or paper towels on hand in order to absorb any additional water that was not drained from the heat exchanger. **If water does leak out onto the electrical wiring of the unit you will need to allow the wiring to dry out before powering up the unit.**
6. With the gray plastic cover removed clean the inside of it with rubbing alcohol and a clean cloth. Inside the brass water pipe you will find a white nylon flow impeller. Remove this impeller by pulling it towards you. Clean the entire impeller, especially the tip, with rubbing alcohol and a clean cloth.
7. Reinsert the impeller making sure it spins freely. Realign the gray plastic cover and secure it with the four Phillips head screws. Before reinserting the inlet filter be sure it is clear of any debris.

