CHECKING AND REPLACING IGNITOR

MODELS: 240FX, TK1

Checking ignitor

1. Remove purple wires (A) from igniter and measure the voltage across the two purple igniter wire leads during an attempted ignition. If it is not in the range of 90-110 VAC, check the connection on the control board (B) to make sure purple wire leads to the igniter are connected properly. If the voltage is in the range 90 - 110 go to step (3)

2. If the connection at control board (B) is good and still have no power at the purple wire leads, check purple wires for damage. Proving wires are good and still have no power, disconnect purple wires from the control board (B). On control board measure voltage on the computer port fitting. Voltage should be in the range of 90-110 VAC during an attempted ignition.

3. If there is power at port on control board and the two purple wires prove to be good, the igniter is bad and needs to be replaced, see below removal and installation of igniter

Removal and installation of igniter

1. Turn off or disconnect power and verify it is off.
2. Locate igniter box on the mounting plate located directly below the clear silicone tube for the pressure switch.
3. Remove upper and lower mounting screws from igniter (C).
4. Remove igniter from heater.
5. Disconnect the purple wires from the igniter (A).
6. Using a razor blade or utility knife, cut through the black high voltage wire (D) staying as close as possible to the black igniter body.
7. Carefully connect the purple wires to the new igniter making sure the wire with number 7 tag is on the bottom.
8. Using the two (2) screws previously removed, reattach the igniter to the mounting plate.
9. Carefully insert black high voltage cable into the end of new igniter, make sure to center the cable onto the needle of the ignition unit.
10. Place a small amount of silicone to the exterior of high voltage cable. Make sure not to get any on the needle in port of igniter.
11. Check all connections and make sure everything is secure within the heater.
12. Turn on or reconnect power and return heater to service.