1.0) TROUBLE SHOOTING

Turn on line voltage and thermostat. Is there a spark at the electrode after 7 seconds?

- Yes
  - Is there 120 Vac at the terminal block? Yes
    - No
      - Repair external wiring and check thermostat.

  - No
    - Repair wiring or replace transformer.

- No
  - Is there 24 Vac supplied to the module? Yes
    - No
      - Replace module.

  - No
    - Connect spark cable.

- Yes
  - Is the spark cable connected to the ignition module?
    - Yes
      - Correct spark gap.
    - No
      - Replace spark electrode.

- No
  - Is the spark gap (0.19" / 5.0mm)? Yes
    - No
      - Review spark electrode, is the ceramic insulator cracked?
    - Yes
      - Replace module.

- No
  - Does the flame ignite? Yes
    - No
      - Correct gas inlet pressure.
    - Yes
      - Check nameplate, are the gas type and orifice correct?
        - Yes
          - Remove and clean orifice.
        - No
          - Contact factory for assistance.

  - No
    - Is there proper gas pressure at the valve outlet? No
      - Adjust if necessary.
    - Yes
      - Replace gas valve.

- No
  - Replace module.

- Yes
  - Does the flame stay lit? Yes
    - No
      - Replace wire harness.
    - Yes
      - Replace module.

- No
  - Does the flame go out after being lit for more than 10 minutes?
    - Yes
      - Replace burner.
    - No
      - Review flame sensing (as described above) over time. Is it greater than 1uVdc (direct current)?
        - Yes
          - Check heater is properly grounded and that the ground wires are attached to the burner.
        - No
          - Review flame sensor and wiring (as described above).

- No
  - Does the heater turn off when the thermostat ends the call for heat? Yes
    - No
      - Check thermostat wiring.
    - Yes
      - Troubleshooting ends.