

BURNER CYCLING

Burner cycling on and off does not indicate a problem with the ignition system, but rather an interruption of 12 V power to the module board. This would be caused by an open circuit at the limit switch, air prover switch or, in some cases, by a short cycling thermostat. Determine which component is opening the circuit and make corrections as necessary. (See previous section SHORT THERMOSTAT CYCLES).

CONTINUOUS ARCING

In some cases the high voltage spark will continue during main burner operation. This sparking is not harmful, and will not damage the ignitor.

If this sparking is objectionable to the customer it can be lessened or eliminated by proper adjustment of both the sensor electrode and the high voltage electrode. If either of these electrodes is not immersed in the flame properly the ignition module will continue to spark occasionally. Refer to the diagram in the DSI System Service Guide for proper setting of the high voltage electrode.

Very truly yours,

D U O - T H E R M  
Division of Motor Wheel Corp.

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Enclosure: