

## Technical Note

### THERMOCOUPLE GROUNDING ISSUE

**Scope:** Force 10 Ranges built between the years of 2001 and 2003

**SYMPTOM:**

The top burner on a Force 10 Galley Range does not stay on when the control valve is turned to the low setting or will not stay lit when the control knob is released.

**THEORY OF OPERATION:**

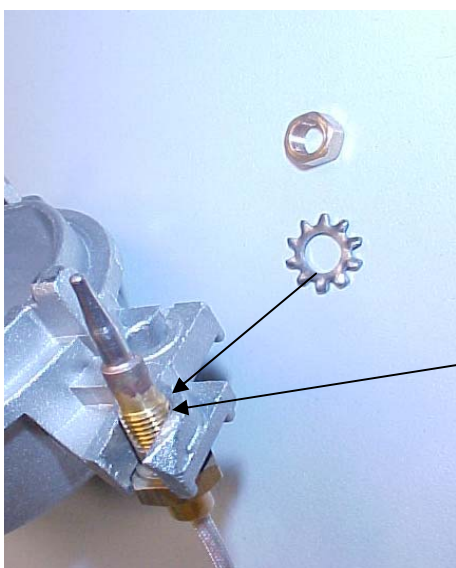
The Thermocouple relies on the connection between the thermocouple body and the burner cup to create a complete circuit.

**CAUSE:**

In some cases the connection point is not solid enough (due to corrosion or grease build up) to transmit current.

**SOLUTION:**

This can be fixed by cleaning up the connection. In addition a stainless steel star washer can be added to the connection point which helps bite into the burner body and the thermocouple to create a better connection.



**This is the ground connection point where the thermocouple completes the circuit.**

**The addition of a Stainless Steel # 10 star tooth washer can help make a better connection.**

If you have any questions, please contact Force 10 Customer Service at 1-800-663-8515 or email at [sales@force10.com](mailto:sales@force10.com).