

Purpose and Applicability

This bulletin provides troubleshooting information for N300 and N300.3 refrigerators not staying lit in LP Mode when a burner malfunction is ruled out.

Troubleshooting

The following information, troubleshooting chart, and figures check the operation of the thermocouple and interrupter. See Figure 1 and Figure 3 for locations of the thermocouple connection and interrupter.

Interrupter Voltage Output Check

1. Remove the refrigerator from enclosure.
2. Connect an alternate LP gas supply to the refrigerator. Make sure gas pressure is between 10.5 and 11.5 inches water column.
3. Set selector knob to LP gas operation.
4. Set temperature control knob to 5.
5. Press and hold the gas safety valve and press Piezo lighter to ignite burner. Hold the valve open to maintain the flame lit while following the troubleshooting chart at right.

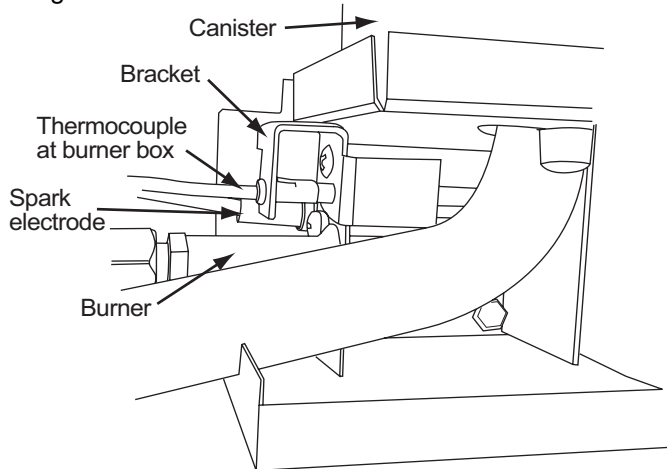


Figure 1. Thermocouple at burner box

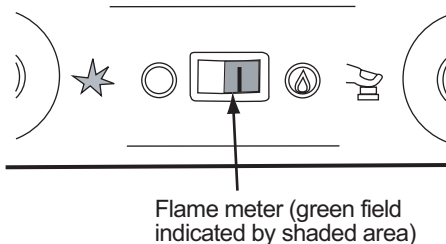
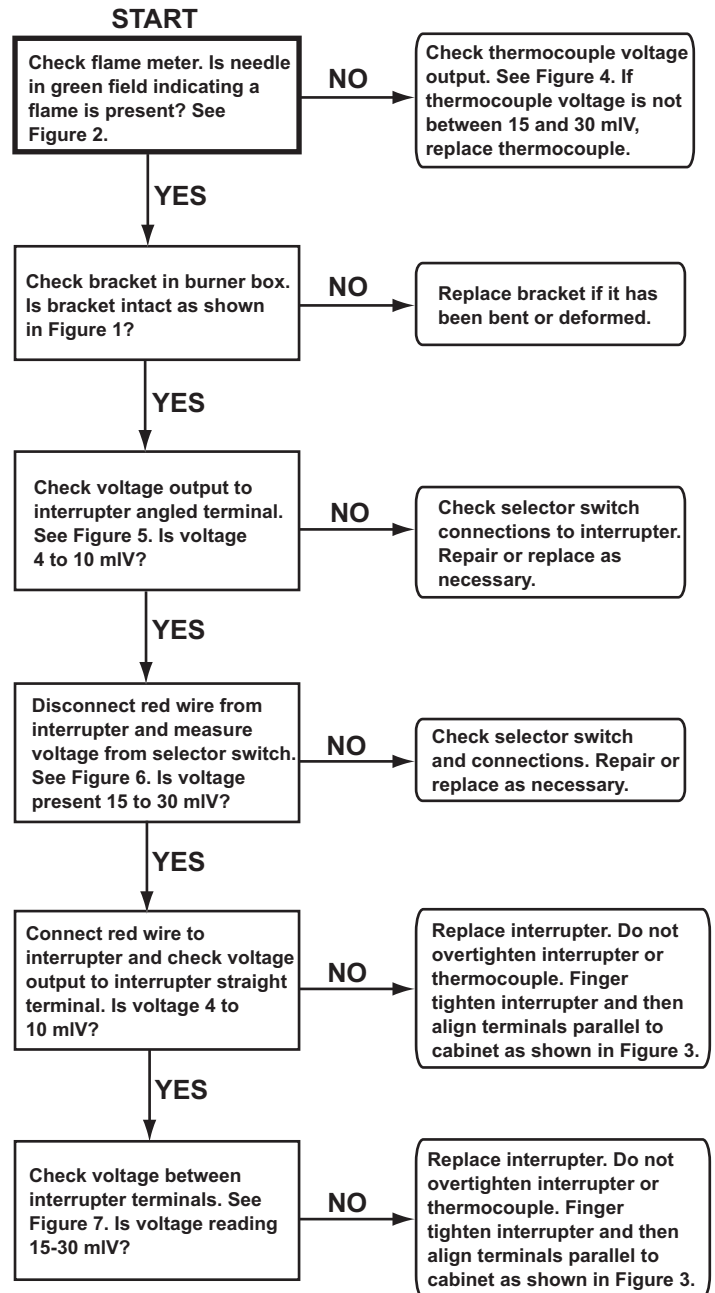


Figure 2. Flame meter indicating a flame is present

Troubleshooting Chart



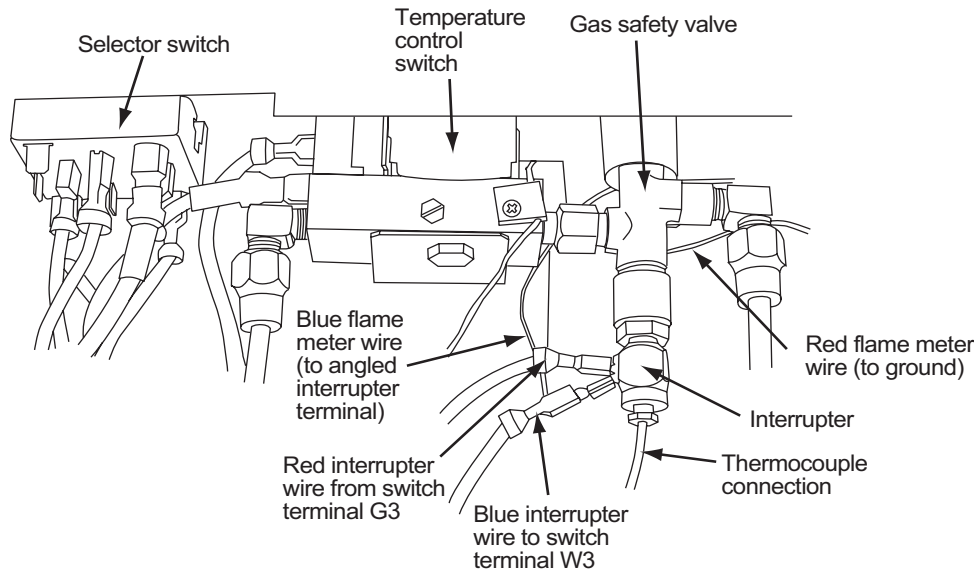


Figure 3. Selector switch, temperature control switch, and gas safety valve assembly

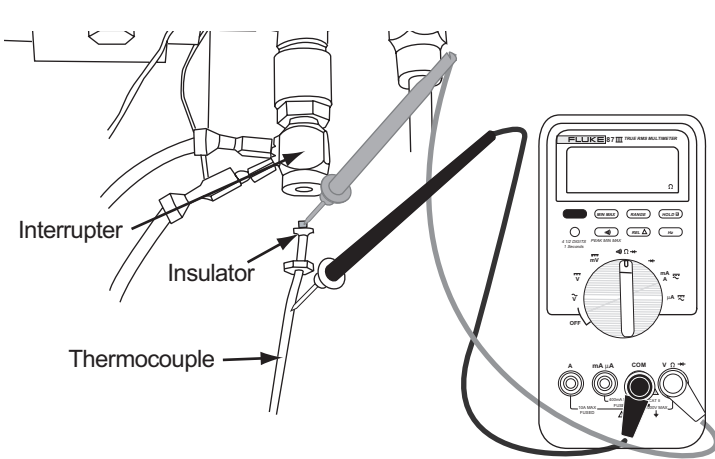


Figure 4. Checking thermocouple voltage output to interrupter (see NOTE)

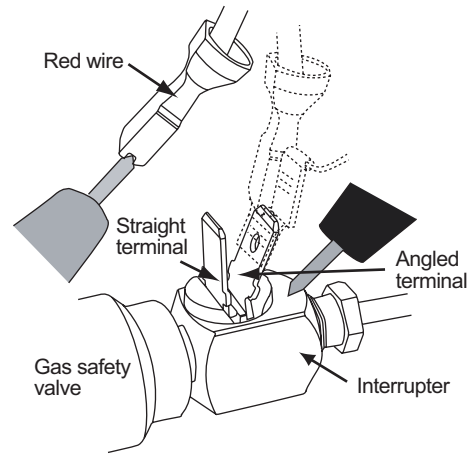


Figure 6. Checking red wire to ground (see NOTE)

NOTE

Thermocouple must be free of carbon deposits and flame must be present to take readings. Hold in gas safety valve to maintain flame as needed.

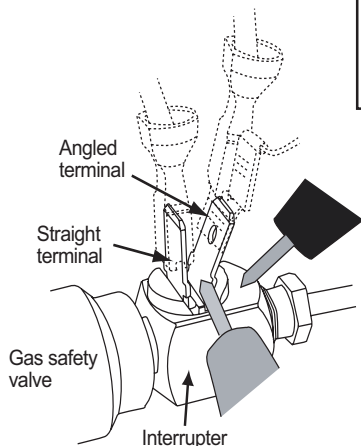


Figure 5. Checking angled terminal to ground (see NOTE)

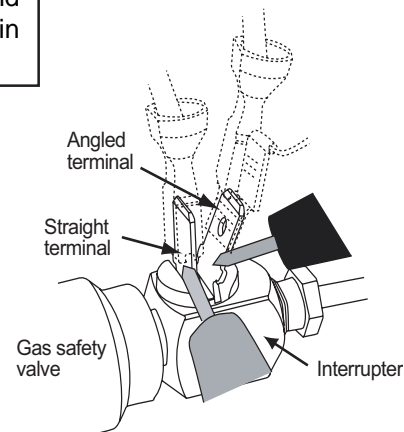


Figure 7. Checking voltage across terminals (see NOTE)