

1.0 Application

Applies to installation of factory supplied single and dual thermocouples on all LCI and RTC infrared furnaces.

1.1 Equipment

- Open end hex wrench (9/16").
- Thermocouple height gage or tape measure.
- Thermocouple, single or dual (factory model)
- Permanent marker

1.2 Preparation

Shutoff power to furnace.

On one side of the furnace (rear side if possible), remove top side covers in furnace chamber section.

1.3 Removal

Locate thermocouple to be replaced.

Unplug thermocouple connector.

With a permanent marker, mark thermocouple shaft at point where the shaft enters hex fitting.

Using open-end wrench, loosen hex nut at chamber port

Grasp base of thermocouple and pull up to extract thermocouple.

1.4 Installation

Insert new thermocouple into port opening.

Place height gage in position and lower thermocouple until it rests on the height gage as shown in figure 1-3 and 1-4.

If height gage is not available position thermocouple bend to 2.5 inches (63.5 mm) above chamber top.

Gently tighten tube fitting until snug.

Do not over tighten.

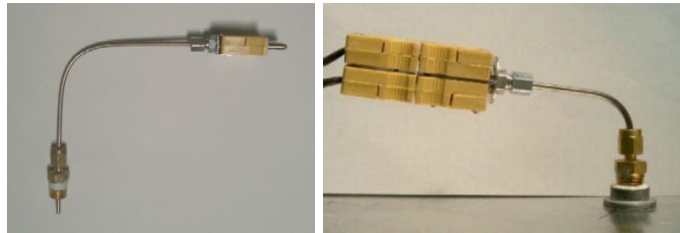


Figure 1-1 Thermocouple, single and dual

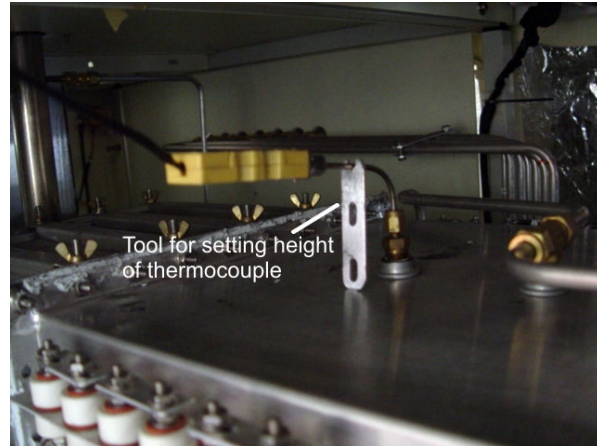


Figure 1-2 Thermocouple in chamber

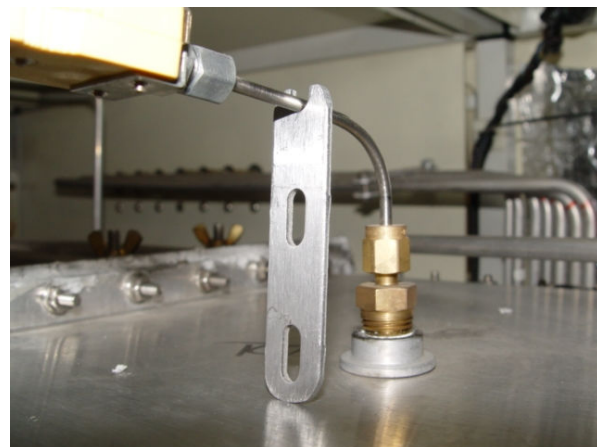


Figure 1-3 Thermocouple Height Gage

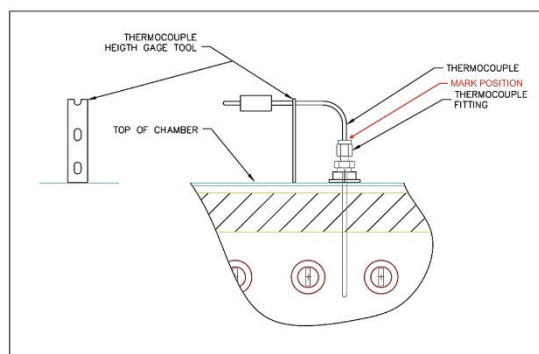


Figure 1-4 Thermocouple Installation