

# CONTROL TIPS

A RANCO® INFORMATIONAL GUIDE

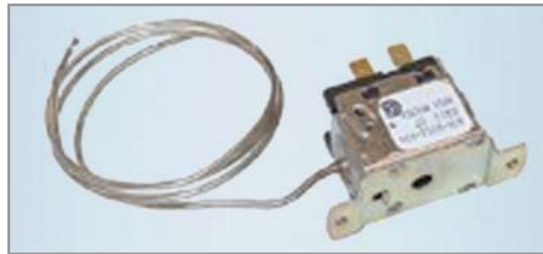
THIS ISSUE

## CAPILLARY FORMING TOOL

The capillary forming tool was designed to be used on Ranco® A30 controls. This device has proven to be a handy tool for the A30 thermostat as well as many other Ranco and Robertshaw® refrigeration controls. Part number 1397002-39 capillary forming tool is a must have for any service technician.



Uni-Line® Part Number 1397002-39



Typical A30 thermostat with the straight capillary.

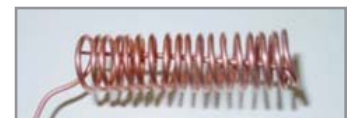
These are a few popular capillary configurations that are easily made by using the 1397002-39 tool.



Tight Air Coil

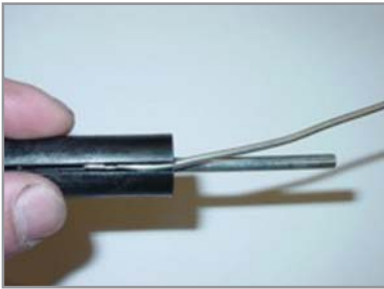


Standard Air Coil



Long Air Coil  
(tip through the center)

## How to Form a Tight Air Coil



1) Insert at least 1" inch of capillary into the slot on the side of the tool.



2) Tightly secure the tip in the slot with your thumb and begin rotating the capillary around the tip of the tool. Always avoid any extreme bends or kinks in the capillary.



3) Wrap as much capillary as needed. Note: 18" of capillary was used in photo above.

## How to Form a Standard Air Coil



**Note:** This size air coil requires approximately 24" of capillary.



1) Hold the end of the capillary and begin wrapping the capillary around the tool.

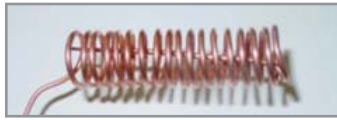


2) Leave equal size spaces between each coil of the capillary.

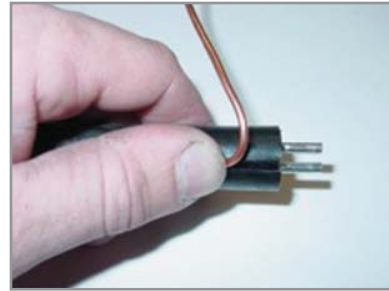


3) Stop at desired length and wrap the tip against the tool before sliding it off.

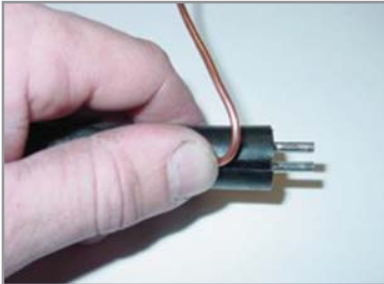
## How to Form a Long Air Coil (Tip Through the Center)



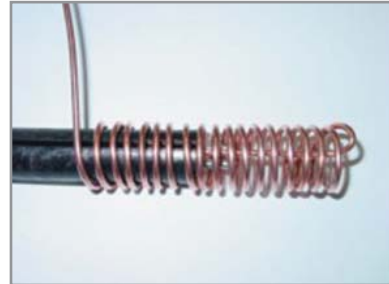
1) Insert up to 4" inches of the end of the capillary into the slot of the tool.



2) Tightly secure the capillary to almost the end of the slot and begin a reverse rotation of the capillary over the black handle of the tool.

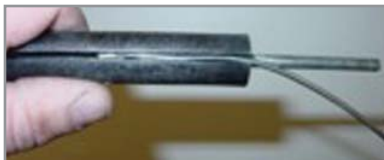


3) Leave air gaps between rotations of the capillary. Wrap the capillary to the point where the tip end is inside the slot.



4) Slide the coiled capillary from the tool leaving the 4" inches of capillary from the slot of the tool in the center of the air coil as it slides off.

**Note:** 4" inches of air coil requires approximately 48" to 60" of capillary. Insert different lengths of capillary into the slot in Step 1 for different size air coils. Example shown below



Insert a shorter length into slot to make a shorter air coil.

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