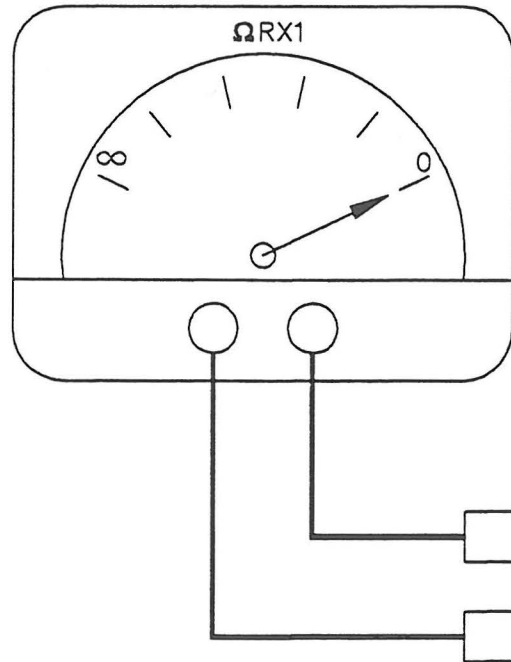
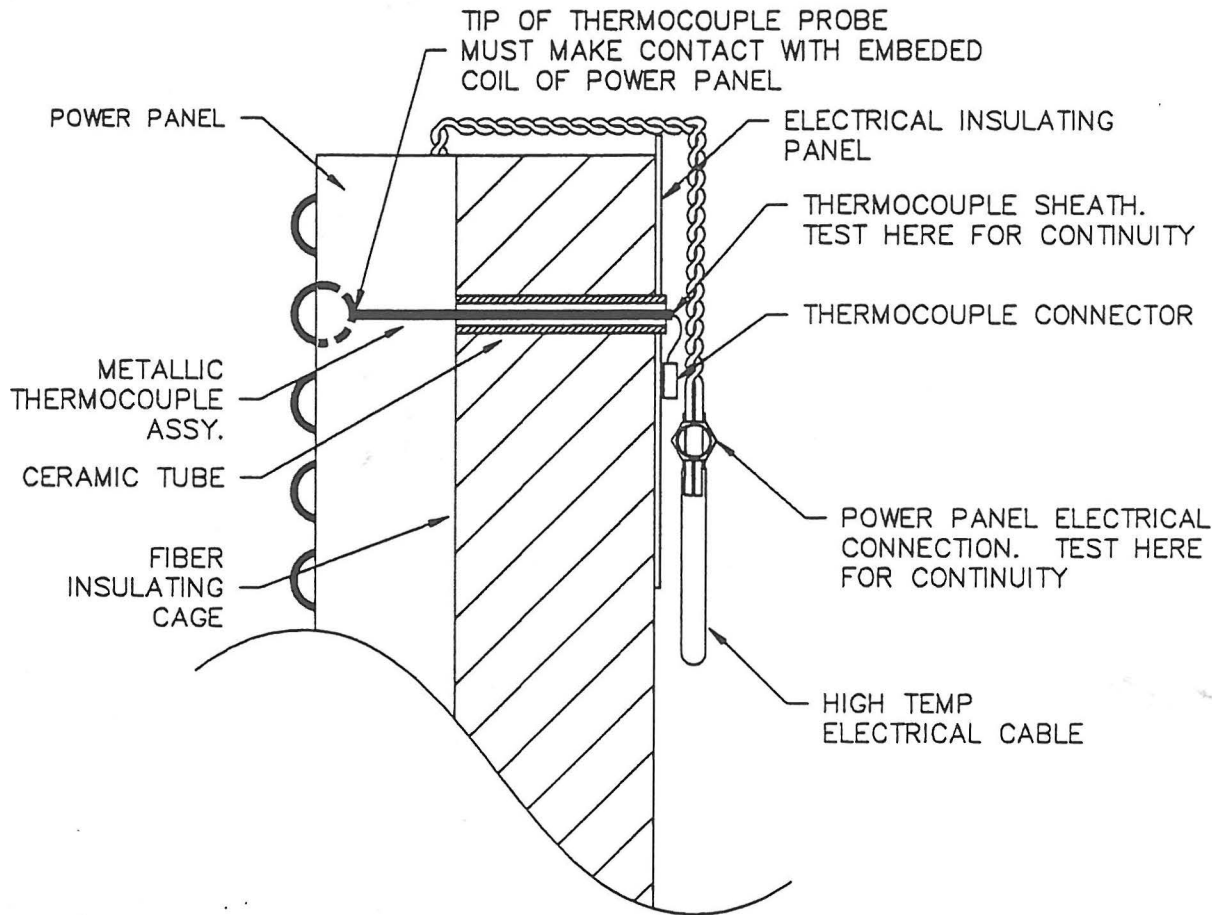


IMPORTANT
THERMOCOUPLE MUST MAKE
CONTACT WITH THE ELEMENT WIRE



Use of a VOM, Ohmmeter, or other suitable continuity tester is highly recommended to confirm that the element wire is making contact with the thermocouple.

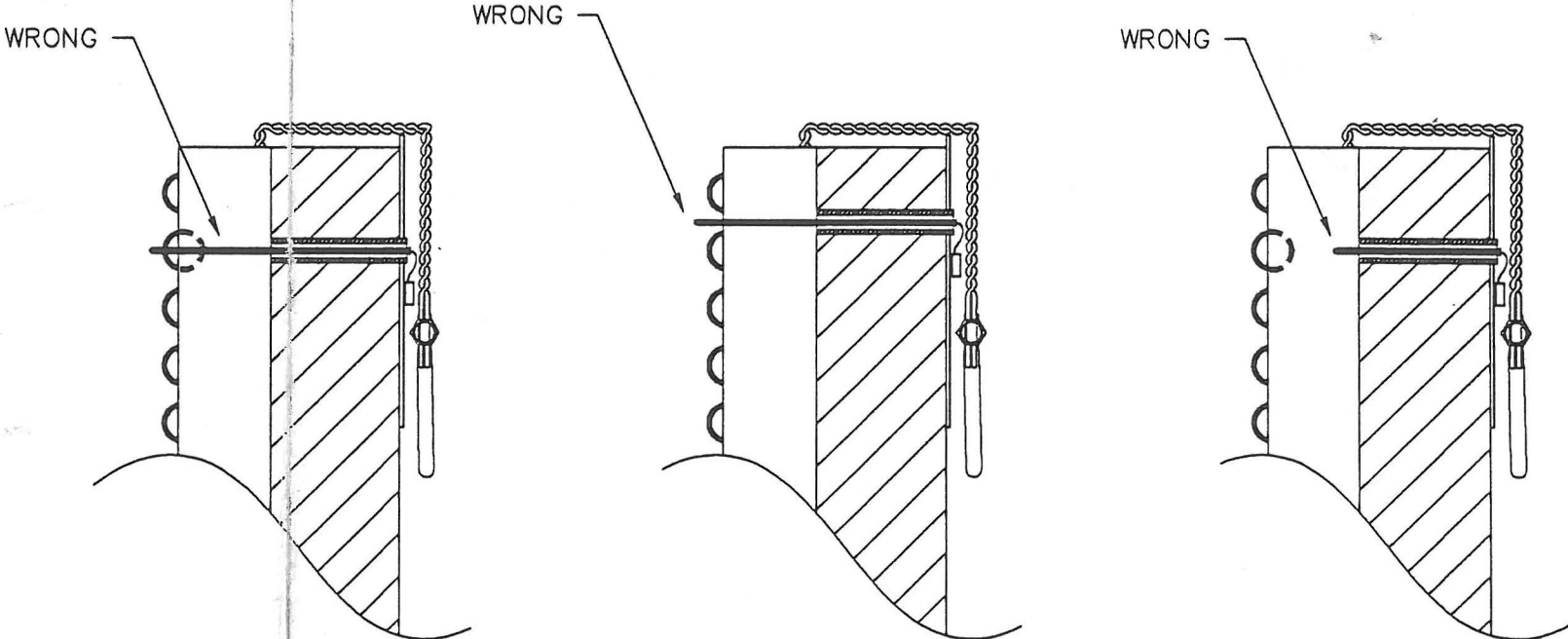
THERMOCOUPLE SHEATH

ELEMENT

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!WARNING!

IMPROPER INSTALLATION MAY RESULT IN RAPID POWER PANEL FAILURE



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			DATE		THERMTRONIX® ADELANTO, CA. U.S.A. 92301			
TOLERANCES ARE: WHOLE NO. & FRACTIONS = ± 1/16 .XX = ± .01 .XXX = ± .005 ANGLES = ± 0°30' FINISH PER ANSI B46.1 THREADS PER FED—STD—H28 BREAK EDGES .005—.015 DO NOT SCALE DRAWING			DRAWN	SB	08/06/99	DESCRIPTION: T/C INSTALLATION		
			CHECKED	RN	08/06/99			
			DESIGN	JD	08/06/99			
			APPROVED	RN	08/06/99			
REQD.			NEXT ASSEMBLY		SIZE	DL NO.	DWG. NO.	REV.
					B	N/A	SN—971210	B
					SCALE : NONE			SHEET : 1 of 1

REPLACING A HEATING ELEMENT

1. PLACE HEATING ELEMENT INTO FURNACE CHAMBER.
2. USING A SMALL LEVEL AND A PENCIL, MARK A LINE ON THE TAILS AS SHOWN IN FIGURE 1.
3. WHILE THE ELEMENT IS IN THE CHAMBER, MEASURE THE DISTANCE BETWEEN THE TAIL AND THE OUTSIDE EDGE OF THE GLASTIC INSULATION AS SHOWN IN FIGURE 2. NOTE THIS DIMENSION, IT WILL BE NEEDED LATER.
4. REMOVE THE HEATING ELEMENT AND LAY IT COIL SIDE DOWN ON A WOODEN SURFACE THAT IS FREE FROM DIRT, OILS, METAL CHIPS, PAINTS, AND ETC. THIS IS IMPORTANT TO PREVENT CONTAMINATION OF THE HEATING ELEMENT MATERIAL.
5. USING A TORCH WITH A SOFT NEUTRAL FLAME, HEAT THE TAIL EVENLY JUST BELOW THE PENCIL MARK. BE SURE TO HEAT THE TWO WIRES MAKING UP THE TWISTED SECTION EVENLY. FAILURE TO DO SO WILL RESULT IN DAMAGE THAT WILL BE DIFFICULT TO REPAIR. HEAT THE ELEMENT WIRE UNTIL IT SHOWS SOME RED, THEN BEND THE TAIL 90° TO THE VERTICAL POSITION, FIGURE 3.
6. RECALL THE DIMENSION FROM STEP 3. ADD $\frac{1}{2}$ " TO THIS DIMENSION AND MEASURE THAT DISTANCE OUT FROM THE BEND MADE IN STEP 5. AT THIS LOCATION APPLY HEAT EVENLY TO THE TAIL AND BEND IT ANOTHER 90°. APPLY JUST ENOUGH HEAT TO PRODUCE A SOFT RED, FIGURE 4.
7. AT THIS POINT, CHECK THE ORIENTATION OF THE END OF THE TAIL, FIGURE 4 AND 5.
8. PLACE THE HEATING ELEMENT INTO THE FURNACE CHAMBER AND ATTACH THE POWER SUPPLY LEADS AS NECESSARY, FIGURE 5.

