

Installation Instructions

SPTA-1

Electric Connection Kit

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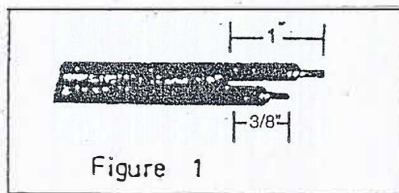
i. HEATERS WITH METAL BRAID & OVERJACKET ONLY

Trim the fluoropolymer or thermoplastic overjacket back about 2-1/4" from the end of each heater and proceed to Step ii.

ii. HEATERS WITH METAL BRAID ONLY

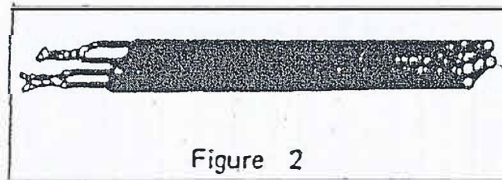
Unravel about 2" of the braid from the end of each heater and twist the loose wires to form a pigtail.

1. Separate the bus wires one inch from the end of each heater by cutting away the black conductive web. Strip the insulation away from the bus wires approximately 3/8" from the end of each heater (See figure 1).



2. (Tee Splices Only)

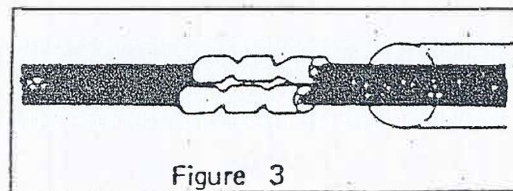
Connect two of the heaters in parallel by twisting the corresponding bus wires together, and treat the two as one heater throughout the remaining steps (See figure 2)



3. Place butt splice connectors on the bus wires of one of the heaters and crimp with a crimping tool.

4. Slide a length of heat-shrink tubing over the heater with the butt splice connectors attached.

5. Place the bared bus wire of the other heater into the open end of the butt splice connectors and crimp (See figure 3).



5a. HEATERS WITH METAL BRAID & OVERJACKET ONLY

Use a third butt splice connector to crimp the braid pigtails of each heater together (See figure 5).

6. Cover the entire splice area with a liberal amount of RTV sealant. Be sure to seal the area between the two heaters that have been tee spliced, when applicable.

7. Slide the heat-shrink tubing over the splice area so that the butt splice connectors are centered in the tubing.

8. Apply heat to the tubing, evenly over its entire surface, with a standard heat gun. When shrinking is complete, wipe off the excess sealant which has flowed out the tube ends (See figure 4).

8a. HEATERS WITH METAL BRAID ONLY

Use a butt splice connector to crimp the braid pigtails together, outside of the completed splice (See figure 6).

