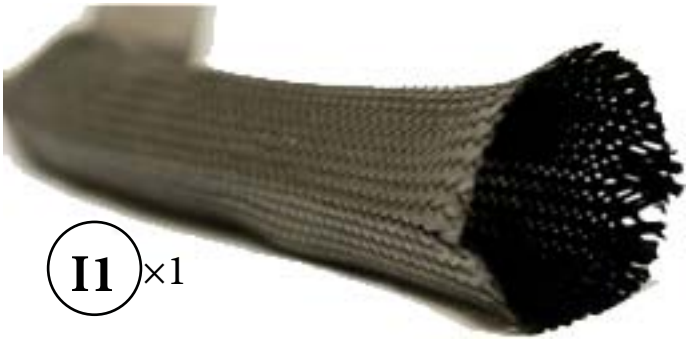
I - Wiring Harnesses: Parts



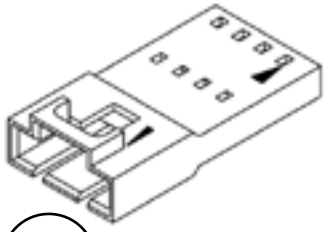
I1 ×1

Cloth carbon fiber tube

22 AWG Copper Wire

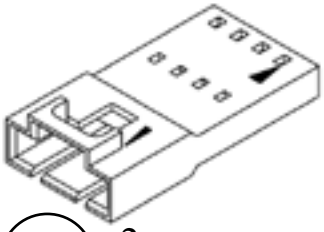
I2 ×1

Male 2 POS wire housing connector



I3 ×3

Male 3 POS wire housing connector



I4 ×2

Heat bed

I13 ×1

Female 3 POS wire housing connector

I5 ×1

Female 24-30 Gauge Crimp Connector

I6 ×3

Male 24-30 Gauge Crimp Connector

I7 ×12

Needle mount

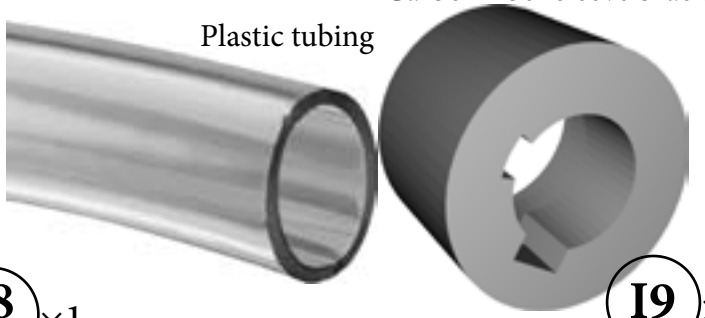
I12 ×1

Wire temperature Sensor

I11 ×3

Carbon fiber sleeve brackets

Plastic tubing



I8 ×1

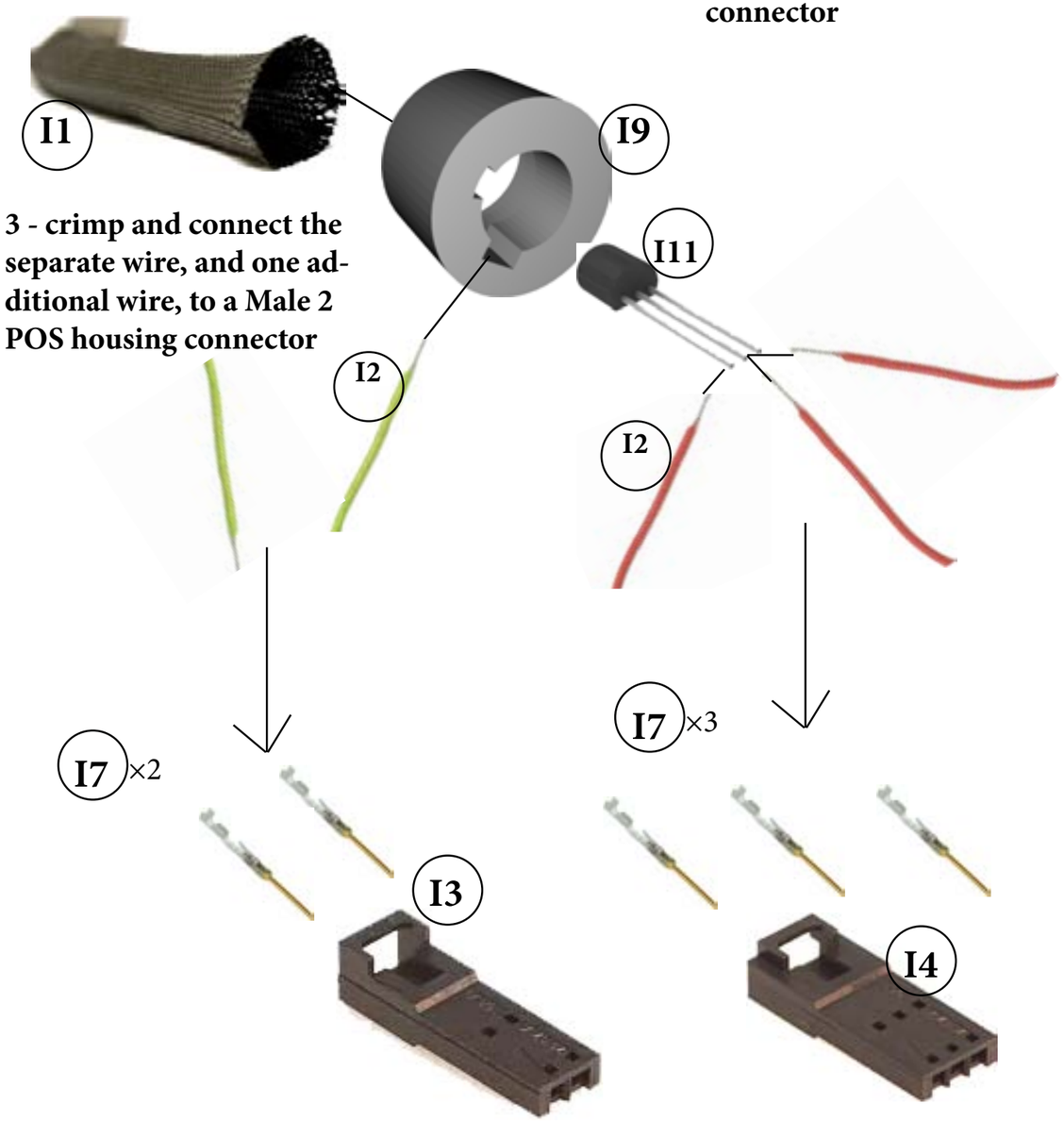
I9 ×1

I10 ×1

I - Assembly of Carbon Fiber Tube

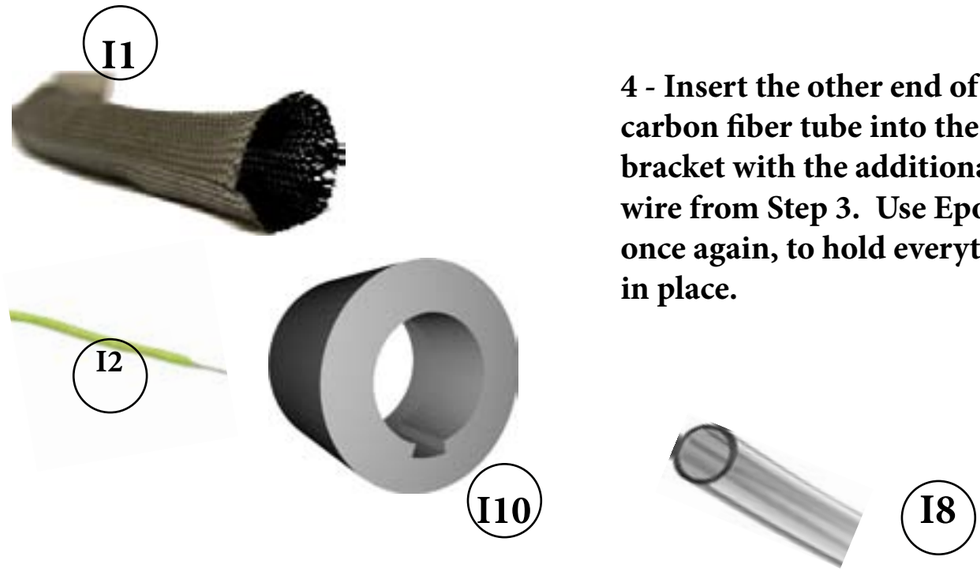
1 - Solder three wires to each temperature sensor, insert one into carbon fiber sleeve bracket with carbon fiber tube and a fourth, separate stripped wire. Use Epoxy to hold everything in place.

2 - crimp and connect the three soldered wires to a Male 3 POS wire housing connector



3 - crimp and connect the separate wire, and one additional wire, to a Male 2 POS housing connector

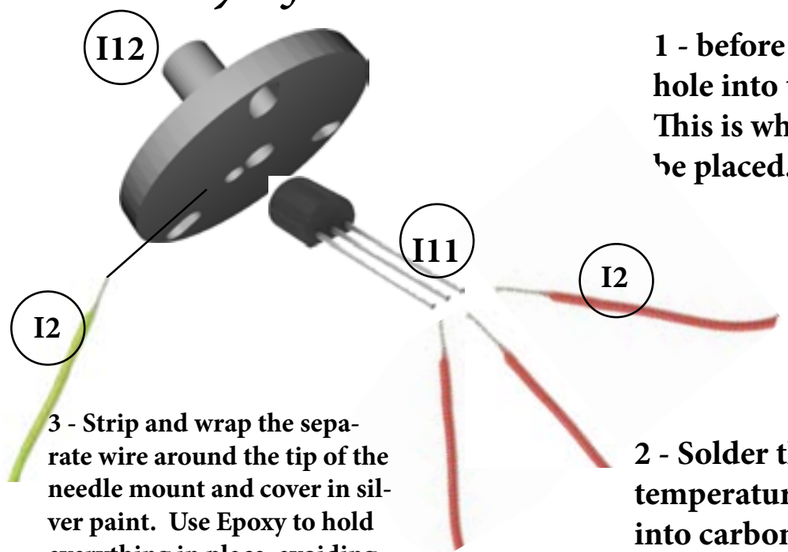
I - Assembly of Carbon Fiber Tube (cont)



4 - Insert the other end of the carbon fiber tube into the other bracket with the additional wire from Step 3. Use Epoxy, once again, to hold everything in place.

5 - insert plastic tube into carbon fiber tube

I - Assembly of Needle Mount



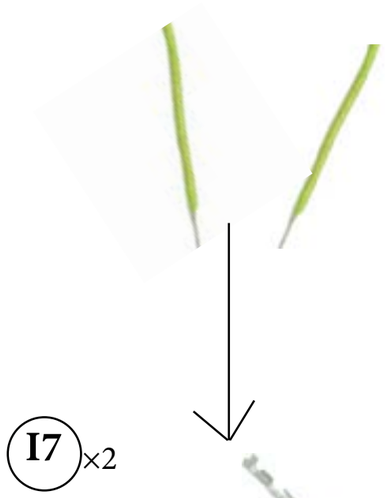
1 - before beginning, carve a hole into the needle mount. This is where the wires will be placed.

2 - Solder three wires to each temperature sensor, insert one into carbon fiber sleeve bracket with carbon fiber tube and a fourth, separate stripped wire

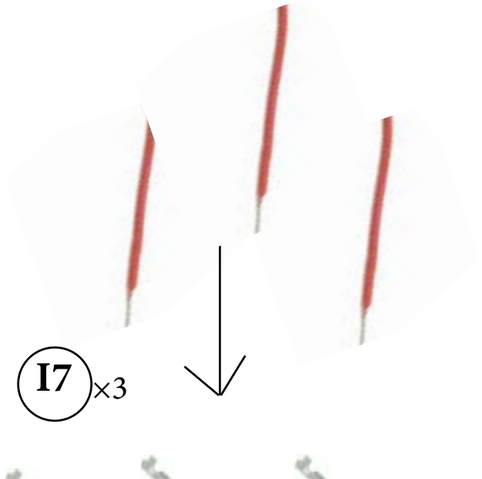
3 - Strip and wrap the separate wire around the tip of the needle mount and cover in silver paint. Use Epoxy to hold everything in place, avoiding the hole of the needle mount. in the needle mount.

I - Assembly of Needle Mount (cont)

4 - Crimp and connect the separate wire, and one additional wire, to a Male 2 POS housing connector

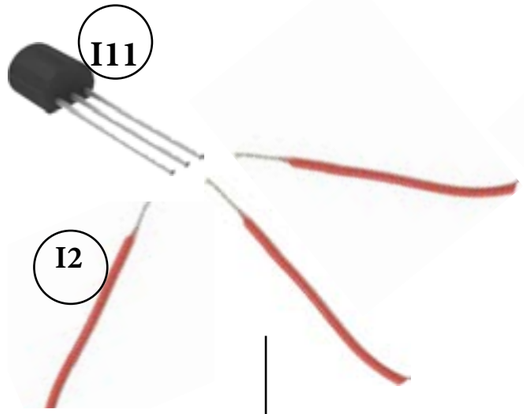


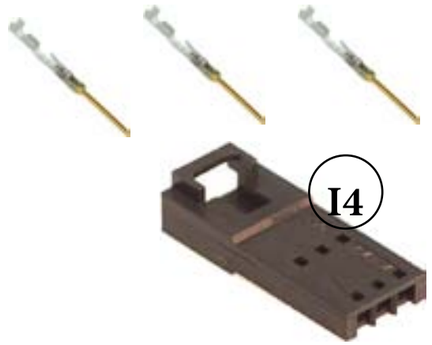
5 - crimp and connect the three soldered wires to a Male 3 POS wire housing connector



I - Additional Steps

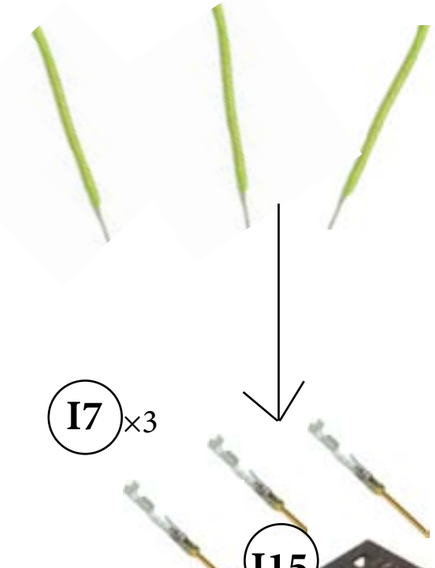
1 - Solder three wires to each temperature sensor

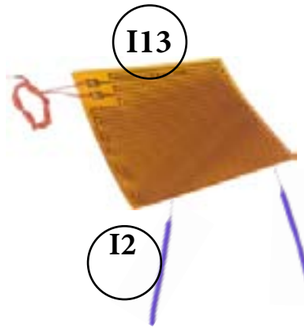




2 - crimp and connect the three soldered wires to a Male 3 POS wire housing connector

3 - Crimp and connect three separate wires to a female 2 POS housing connector





3 - solder two separate wires to the heating pad.

4 - Crimp and connect the two wires to a Male 3 POS wire housing connector