



The heater is not shorted to the metal parts of the iron.

The heater is connected to Tblock M2 and the transformer leads are connected to Tblock 13.

Pin 1 of Tblock 13 is ground.

Pin 2 shows 15V and pin 3 is 28V.

The zener is a 1N4737 which is 7.5V 1W. I think you have the zener reversed in the schematic. The anode of D2 is connected to the anode of the zener and to the negative of the capacitor above R1. This capacitor is 330uF, 25V.

The capacitor connected to pins 7 and 8 of the 555 is a 330uF, 25V with the positive connected to R18.

The item connected to pin 2 of the 555 is labeled J1. There is an identical item J2 connected between R15 and pin 8 of IC2. These 2 items are just identified with a black ring around them. I'm assuming the J means they are 5% ceramic capacitors but there is no value identified.

C3 is a 22uF, 50V with the negative to ground.

The resistor below R4 is R20 and does show some heating. It is 200 ohm and measures okay but will be replaced.

Q1 is a C9013.

Triac is a BT136 600E.

Item above R5 is marked W2 and color code says it's a 75K ohm 1%.

There is a 330uF, 25V between pin 8 of the 555 and ground with the negative to ground.

R3 is the resistor that burns up and is .33 ohm.