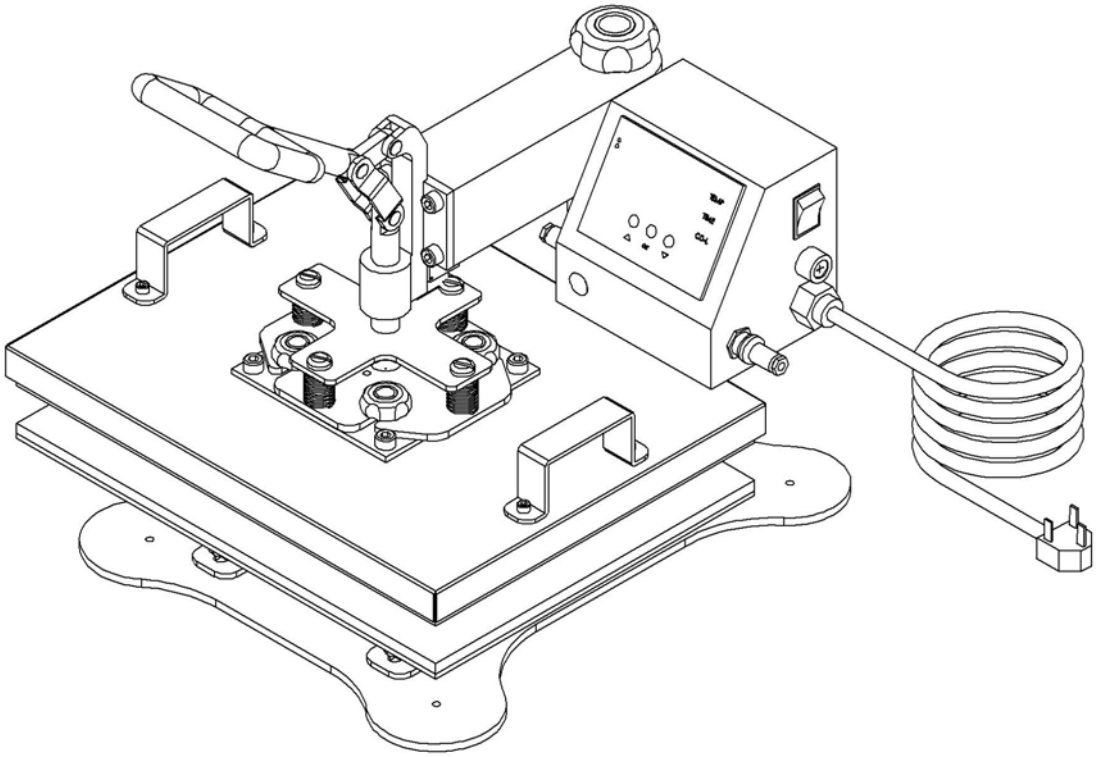
Economy Combo Heat Press Manual
Model No.: ECH-800



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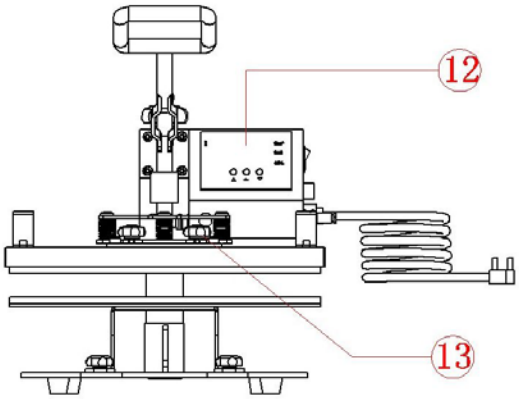
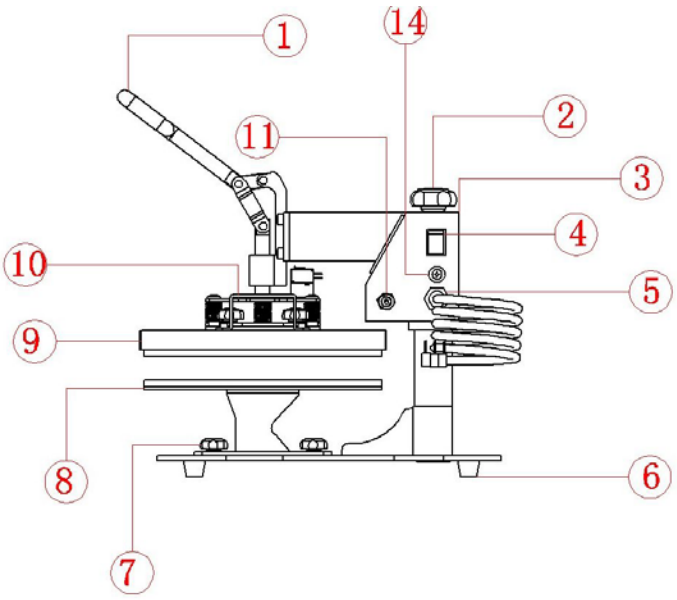
I. Assembly Drawing





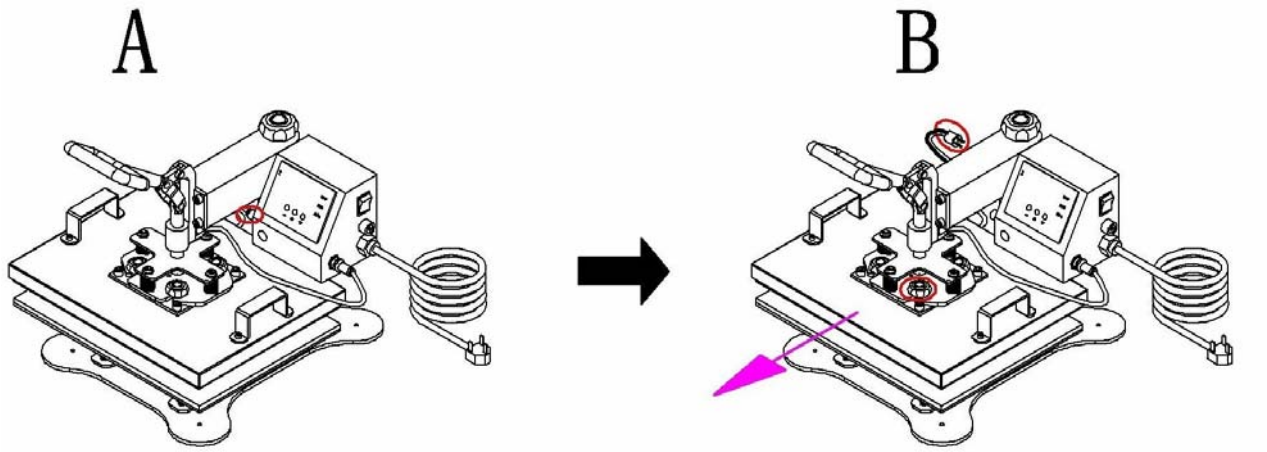
①Handle Bar Grip ②Pressure Adjuster ③Electrical Case ④Power Switch
⑤Power Cord ⑥Rubber Foot ⑦Screw for Fast Release ⑧Under Plate
⑨Heat Platen ⑩Swing Handle ⑪Aviation Socket ⑫Digital Controller
⑬Screw for Fast Release ⑭Fuse

II. Technical Parameters

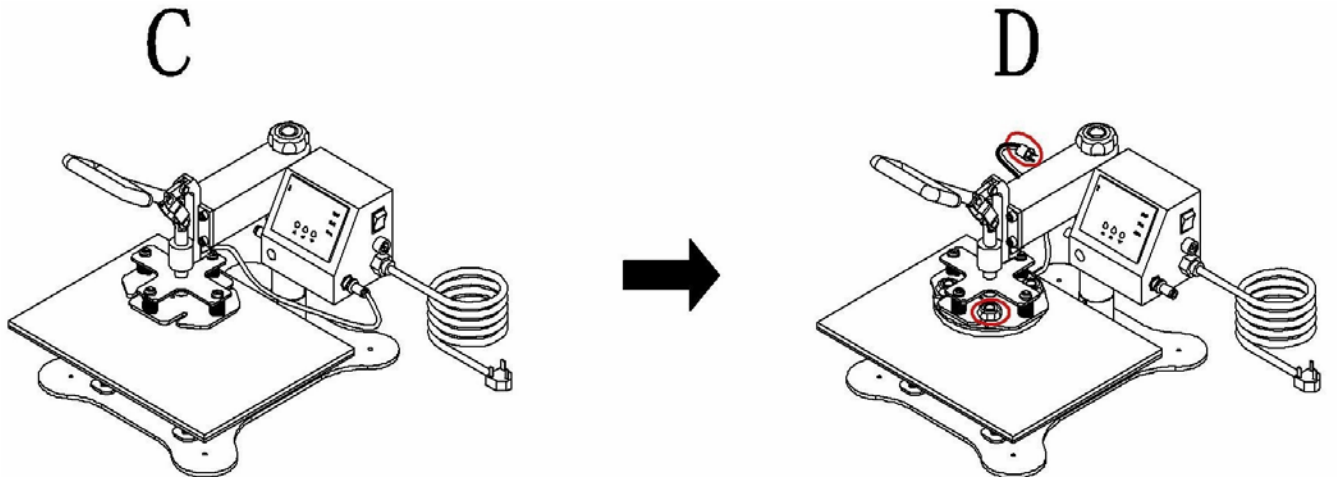
1. Model No.: ECH-800
2. Machine Dimension: 588*380*450mm
3. Heat Platen Size:12"x15"(29x38cm)
4. Printable Articles Max Size: 290*380*10mm
5. Voltage: 220V/1Phase; 110V/1Phase
6. Power: 220V/1.8KW; 110V/1.2KW
7. Recommend Setting: 30~280s; 180~200°C
   Time Range: 0~999s
   Maximum Temp: 225 C°
8. Packing Size: 53*53*53cm
9. Gross Weight: 35.4kg

III. Heating Elements Exchange Instruction

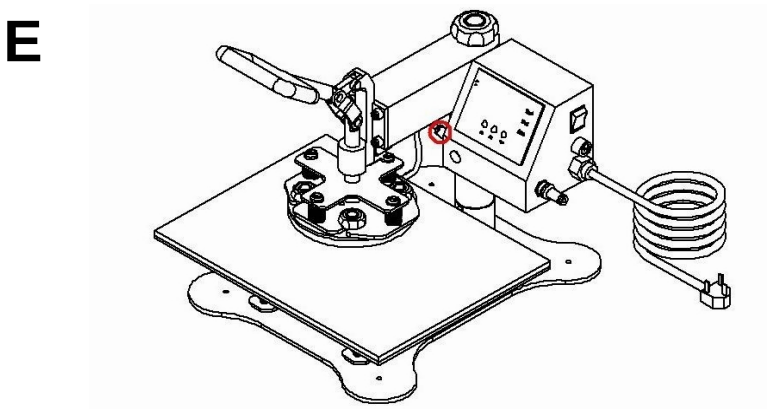
Plate Heat Element



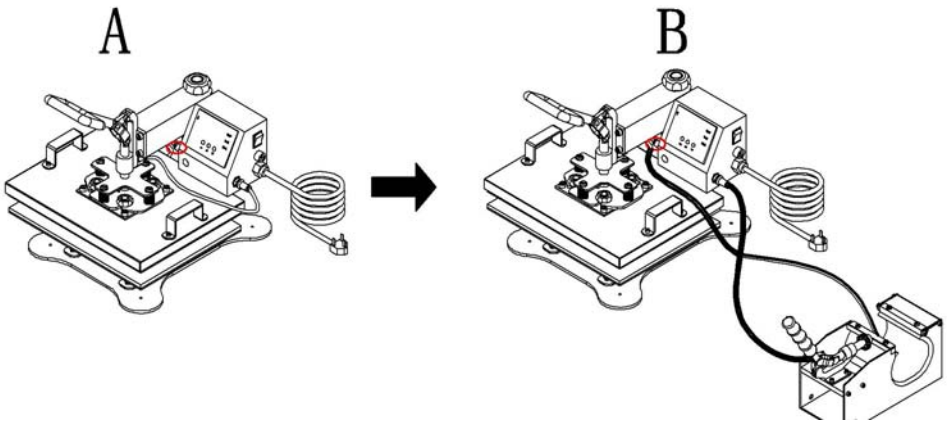
Please loosen the screws marked in red.
Unplug the power connector as the above picture shown.



Remove the heat platen. Tighten the screws of plate heat element and connect the wire of plate heat element to the power connector.

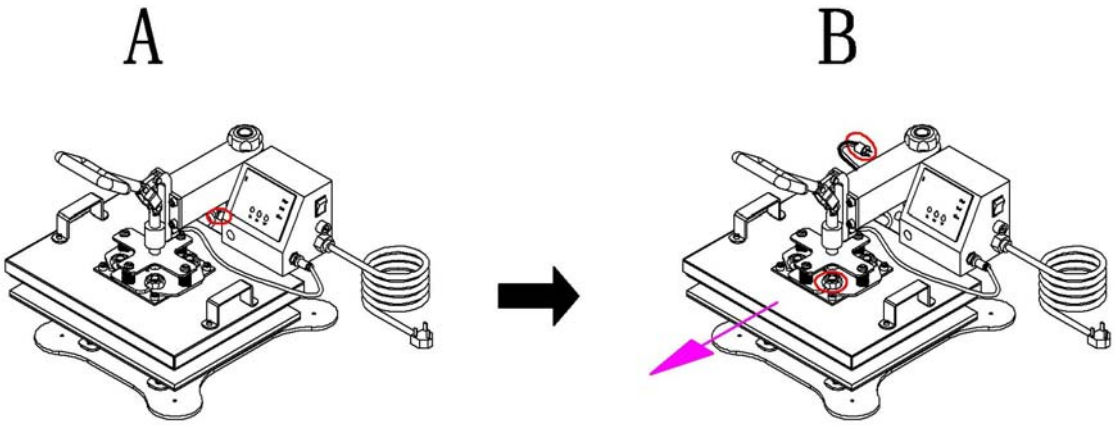


Mug Heat Element

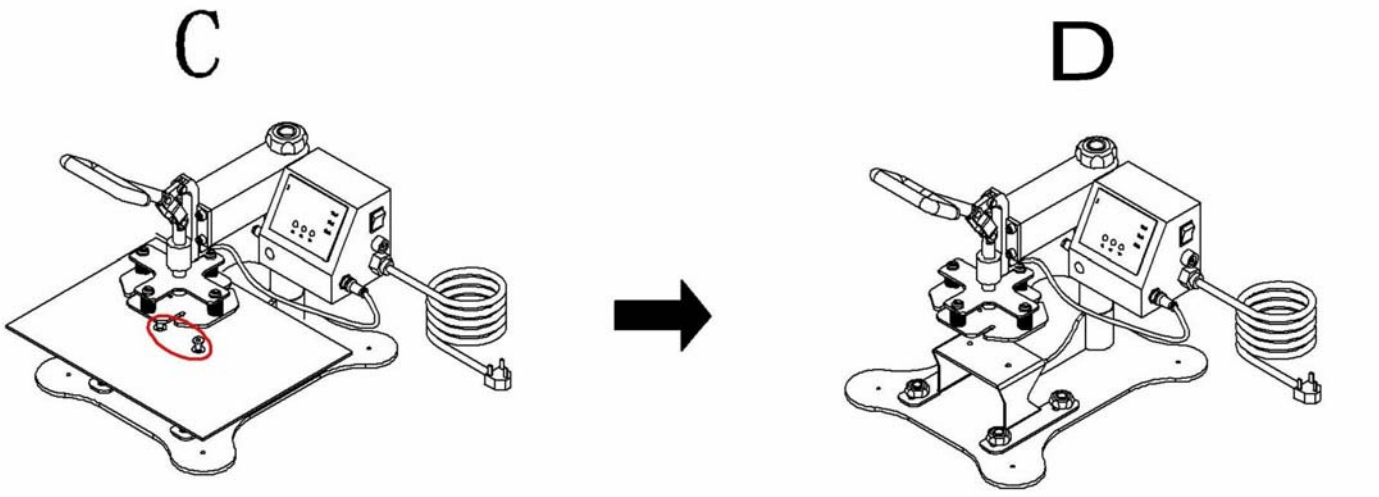


Disconnect the power connector of heat platen as the above picture shown.
Connect the mug heat element wire to power connector and plug in the other wire to aviation socket.

Cap Heat Element

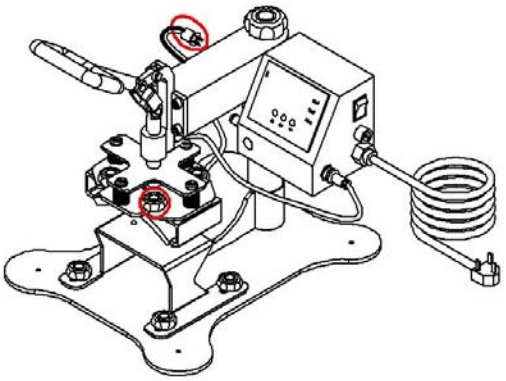


Please loosen the screws marked in red.
Disconnect the power connector as the above picture shown.



Remove the heat platen and under plate. Install the heat element as the above picture shown.

E



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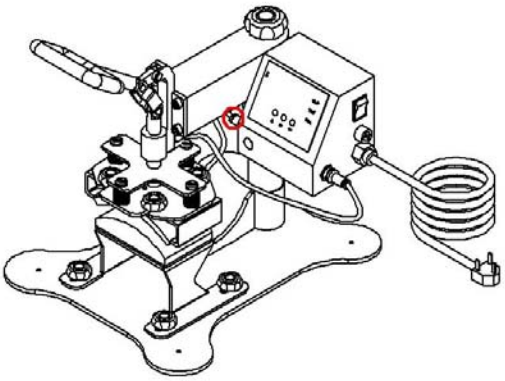
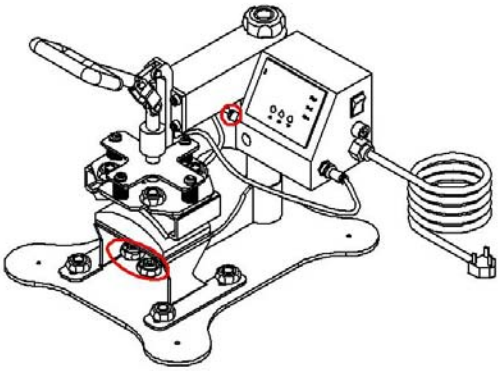


Tighten the screws of cap heat element, then connect the wire to the power connector.

G



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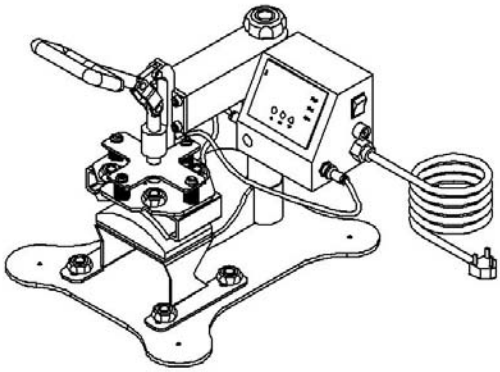
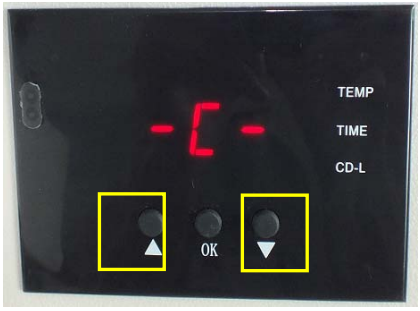
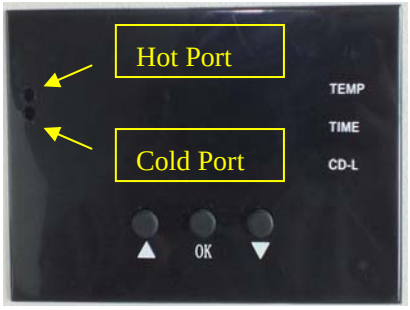


IV. Operation Process

1. Set temperature required

		
Turn on power switch, temperature light is ON. The digital display shows  .	Press OK button, the  light is on (C denotes Celsius). Press arrows "△" or "▽" to select "℃" or "℉" (F denotes Fahrenheit) according to your habits.	Press OK button, the temp  light is on. Select with arrows the temperature according to different transfer material (Normally 180℃~200℃)

2. Set time required

		
Press OK button after temperature setting and the  time light is on. Select with arrows the time according to different transfer material.	Press OK button after time setting; the display shows the temperature starts to rise. "CD-L" shows the time counting down during your transfer.	Note: There are two small port in front side of the digital display. If the real temperature is lower than digital controller shown, you can adjust the "hot port"; Clockwise to raise temperature; anticlockwise to reduce temperature.

3. Printing methods

Step 1: Make sure the cord is connected well to the wall socket. Place the object (i.e. T-shirt) on press bed, and transfer paper with images facing down the object, adjust pressure to your requirement, and turn on the power.

Step 2: Set the temperature and time required, then temperature starts to rise.

Step 3: When the temperature rises to the setting temperature, the buzzer sends out sounds; then close down heat platen (meantime the sounds stop) and starts to transfer.

Step 4: Then the time counter is on, once time is up, the buzzer will send out sounds again; then lift up the heat platen, meantime the sounds stop. Transfer work finished.

Step 5: Consult the Transfer Paper instructions on whether to peel cold or hot, Here are suggested Pressing time guidelines for different transfer paper.

Ink-Jet Transfer Paper (fabric) 14-18 seconds
Laser Copier/Printer Transfer Paper (fabric) 18-25 seconds
Sublimation Transfers (onto Fabrics) 25-30 seconds
Sublimation Transfers (onto FR-Plastic/Woods) 60-70 seconds

Note: pls use the similar way to transfer other items after you exchange the heating elements.
But the printing parameters are different from different items. You can refer to below.

5. Recommendations:

1) Ceramic tile transfer: (Mugs & Plates transfer is similar)
Set temperature: 180℃.
Set time: 15 seconds
2) Cap transfer:
Set temperature: 180℃.
Set time: 60 seconds
3) T-shirt transfer:
Set temperature: 180℃.
Set time: (chemical fiber use for sublimation transfer paper: 30-50seconds; pure cotton use for T-shirt transfer paper: 10-20seconds)

NOTE:

1) Please switch off the machine and unplug the power cord when the machine is not in use.
2) The heat platen will cool down to the room temperature, if heat press stays un-use for more than 30 minutes.
3) The heat-releasing fan will automatically starts when the temperature of heat platen reaches 80 degree C (176 degree F). It helps to reduce the temperature of electrical parts and prolong the service life of them.
4) For better maintenance of heat press, the maximum setting temperature is 210 degrees C (410 degrees F).
5) To avoid re-heating the first transfer when printing double sided T-Shirts, insert a sheet of cardboard in between the shirt, adjust the height to less pressure, then press.
6) Heat platen may pivot slightly back and forth rotationally. This is due to movement allowance within the clamp assembly, and is normal.

V. Maintenance

1. No action after turn on the machine

1). Check the plug whether it connects well or whether it is broken.

2). Check the power switch or digital controller whether it is broken.

3). Check the fuse whether it has been burnt out.

4). Indicating light is on, but no display on screen, check the 5 cable of Railway transformer. If it's loosening, showing the problem is poor connection. If they connects well, showing that the Transformer is faulty.

2. The display screen are working well, but no temperature increasing on the heat platen.

1). Check whether the thermocouple of the heat platen touches well. If the thermocouple is loose, the display will show 255 and machine keeps beeping.

2). Check if the indicating light of solid-state relay is on, if not, check if the relay or digital controller is broken.

3). If you already changed the new solid-state relay but the heat platen still can't heating up, check if the heat platen is faulty or the heat platen's power cable is loose, need to change by new heat platen.

3. The heat platen works well, but suddenly the display screen show 255℃.

1). Check whether the thermocouple of the heat platen touches well.

2). If the thermocouple touches well but still show 255℃, then it is faulty.

4. The machine is heating during 0~180℃, but display number jumps to above 200℃ or 300℃ suddenly, or the numbers on display jumps irregularly.

1). Check whether the thermocouple of the heat platen touches well.

2). If the thermocouple is good, It shows that the program of digital controller is broken, which namely IC or is broken, need to change by new controller.

5. The temperature is out of control: Set 180℃， but the actual temperature is above 200℃。

1). It means the solid-state relay is broken, out of control, need to change the relay.

2). Or the digital controller is faulty and it keeps conveying electric to relay, need to change controller.

6. The setting temp and time becomes abnormal after exchange the heat platen

1). Please reset the temp and time according the operation process manual.

7. Other notice

1). In order to prolong the machine service life, please add the lubrication oil regularly on the joints.

2). In order to keep the heating elements' good transfer effect, you need to protect the heat platen carefully whenever you are using it or not.

3). Please keep the machine in dry place.

4). If you are not able to solve the electrical parts problem, please kindly contact the supplier and get technical support.

VI. Trouble shooting for transfer print quality

1. If the print color is pale: the temperature is too low / the pressure is not correct / or not pressed long enough.

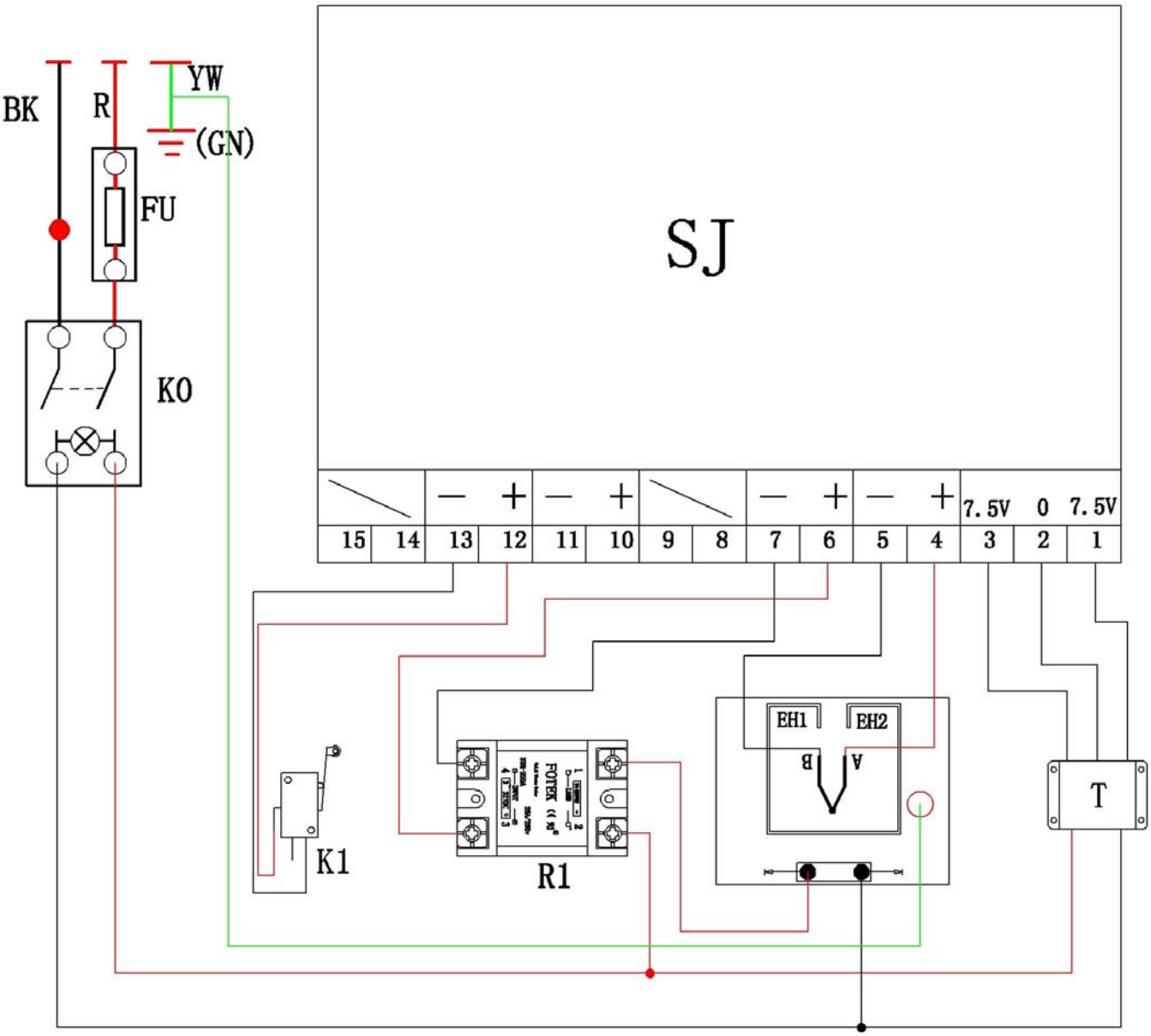
2. If the print color is too brown or the transfer paper is almost burnt: reduce the setting temperature

2. If the print is blurring: too much transfer time causes proliferation.

3. If print color is different/ partial transfer effect is not good enough: the pressure is not enough / or not pressed long enough / or poor quality transfer paper.

4. If transfer paper stick to the object after transfer: the temperature is too high/ or poor quality printing ink.

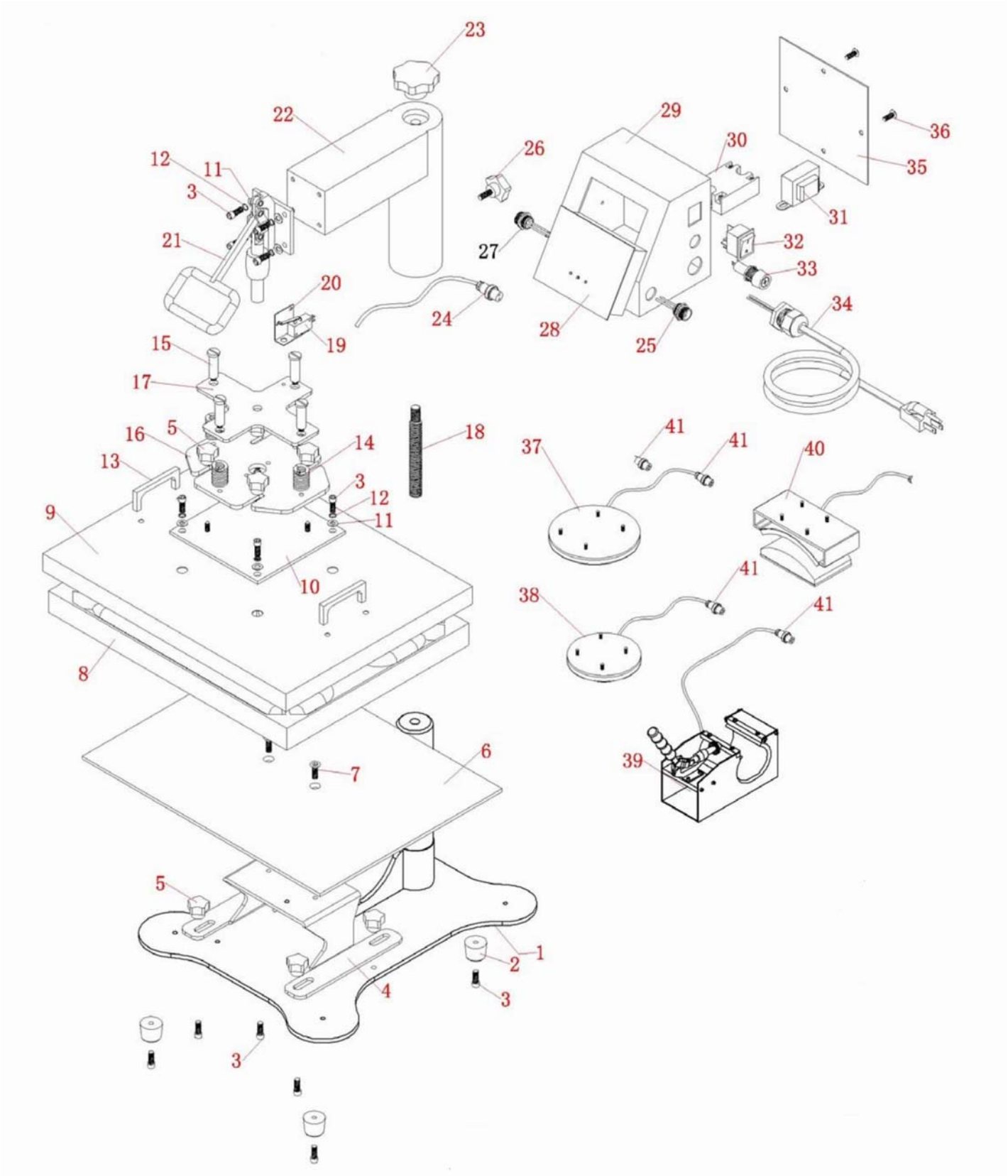
VII. Circuit Diagram



K0.: Power Switch FU: Fuse SJ: Digital Controller EH_1EH_2:Heating Pipe

R1: Relay T: Transformer

VIII. Explosion View



No.	Part Name	Qty
1	Machine Base	1
2	Rubber Foot	4
3	Screw	16
4	Under Plate Stander	1
5	Screw or Fast Release	8
6	Under Plate	1
7	Screw	2
8	Heat Platen	1
9	Heat Platen Cover	1
10	Adapter Plate	1
11	Washer	8
12	Eye Bolt	8
13	Swing Handle	2
14	Spring	4
15	Screw	4
16	Adapter Plate	1
17	Iron Board	1
18	Adjustment Spindle	1
19	Limit Switch	1
20	Limit Switch Fixed Piece	1
21	Handle Bar Grip	1
22	Iron Arm	1
23	Pressure Adjuster	1
24	Male Socket	1
25	Female Socket	1
26	Hand Wheel	1
27	Female Socket	1
28	GY-04 Digital Controller	1
29	Electrical Case	1
30	Solid State Relay	1
31	Transformer	1
32	Power Switch	1
33	Fuse Holder	1
34	Power Cord	1
35	Electrical Case Cover	1
36	Screw	4
37	10” Plate Heater	1
38	8” Plate Heater	1
39	Mug Press Part	1
40	Cap Heater & Metal Cover	1
41	Male Socket	1