Auto Open Cap Heat Press Manual
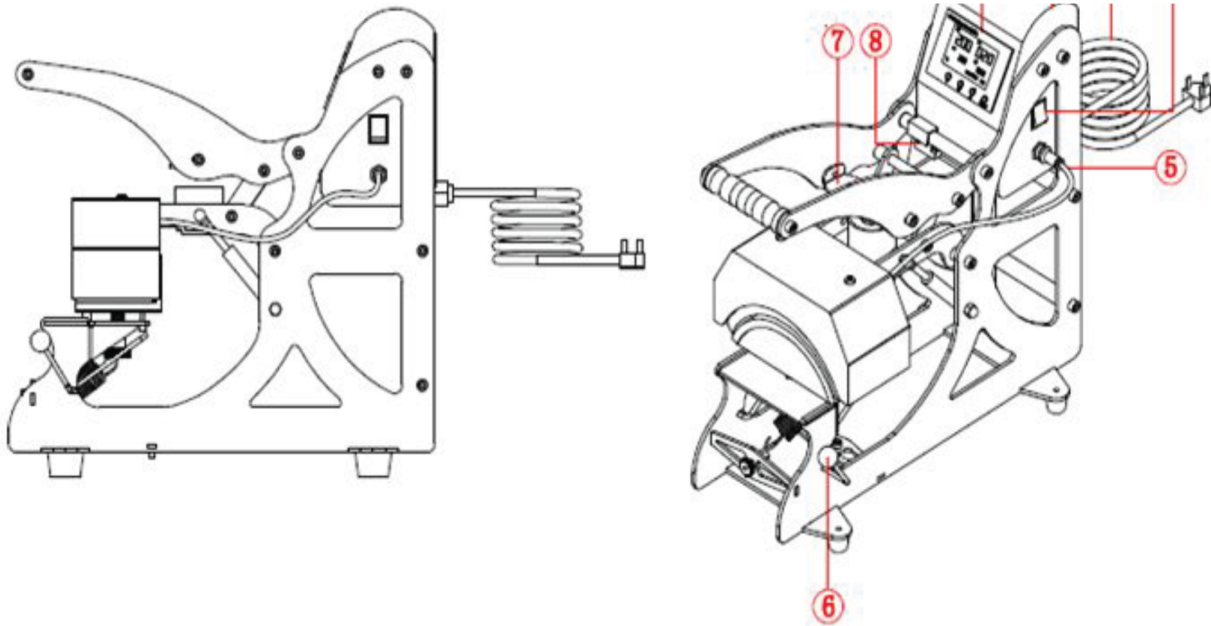## MP882

CONTENTS

ASSEMBLY DRAWING

① GY-06 Digital Controller　　② Electric Case　　③ Power Cord

④ Power Switch　　⑤ Heater Socket　　⑥ Connecting Screws

⑦ Hat Rack　　⑧ Electromagnet Suck Plate

II. MAX-CAP Technical Parameters

1．**Model No.**:　MAX-CAP
2．**Machine Size**:　526*500*250mm
3．**Printable Articles Max Size**:　80*130*10mm
4．**Voltage:** 220v/1Phase/120v/1Phase
5．**Power:** 0.6kw
6．**Recommend Setting:** 30~280s; 180~200°C
　　Time Range: 0~999s
　　Maximum Temp: 225 C
7．**Packing Size**: 620*600*350mm
8．**Gross weight**:25kg

Connecting Your Heat Press To An Electrical Outlet

• Connect the power cord into a properly grounded electrical outlet with a sufficient amperage rating.
• Your Pro World Heat Press requires a full 15 amp grounded circuit for 120 vold opperation.
• Extension cord use on the heat transfer machines is not recommended.
• Extension cords, if used, should be as short as possible and not less than 12 gauge.
　Heavy duty extension cords are highly recommended in this case.

Failure To Follow These Instructions Can Cause:
1. Erratic controller functions.
2. Inaccurate displays and slow heat-up.
3. The fuse to pop/break
4. Internal malfunctions prevent the machine from performing properly.

III. Operation Process

1. Set temperature required

Turn on power switch, temperature light is ON. The digital display shows as above.	Press ⓄⓀ button, the [°C] light is on (C denotes Celsius). Press arrows "△" or "▽" to select "℃" or "℉" (F denotes Fahrenheit) according to your habits.	Press ⓄⓀ button, the temp light is on. Select with arrows the temperature according to different transfer material (Normally 180℃~200℃) SV: Set temperature PV: Current temperature

2. Set time required

|	
Press ⓄⓀ button after temperature setting and the time light is on. Select with arrows the time according to different transfer material. SV: Set temperature PV: Current temperature	Press ⓄⓀ button to operating mode. Counter is "transfer cycle", from 0~999.Press "Reset" for 5 seconds to make the counter to be "0".
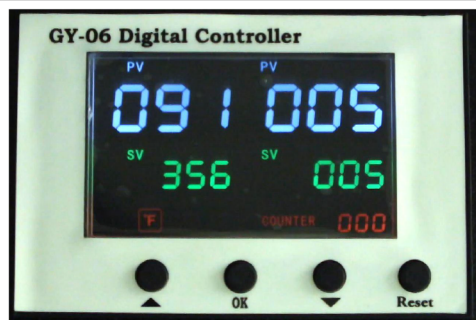
Kindly take NOTE:

1) The P-1 mode is Temperature Difference Calibration Model.

2) The P-2 mode is Heating Mode Setting.

GY-06 Digital Controller	GY-06 Digital Controller
P-1 170	P-2
001	003
▲ OK ▼ Reset	▲ OK ▼ Reset
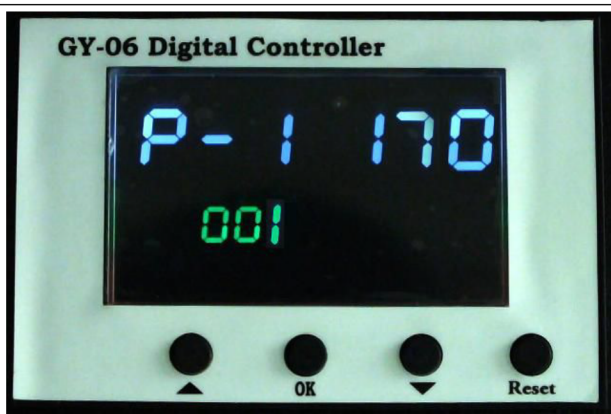
When there is temperature difference between SV (current heating temperature shows on the display screen) and actual Temp of heat platen, please long press ⓄⓀ button for 5 seconds to enter the P⬚1 mode to calibrate.

For example:
When set 200°C, during the heating process, if you find the current heating temperature display shows is 180°C, but the measured actual temperature of heat platen is 170 °C, then please enter P⬚1 mode and press arrows "▽" to decrease 10°C(adjust the display' Temp value to be same with the actual Temp value.)
Then after adjust, the display will be 170°C. and then the machines will keep heating to 200°C:

We already preset it to 003 before shipment. That is to say, if your setting temperature is 200°C, it will slow down the heating speed when it heats up to 197°C for a safe purpose.

The suggest value of P-2 mode is 3°C~5°C.
If you want to reset the value, long please press ⓄⓀ button for 5 seconds to P⬚1 mode, and then press ⓄⓀ button again to enter into the P-2 mode, and then press arrows "△" or "▽" to set the value you need.

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 start the machine.

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 upper heat platen will auto open and swing away to another side automatically.

Setp5: 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

5. Recommendations:
   1) Ceramic tile transfer: (Mugs & Plates transfer is similar)
   Set temperature: 180℃.
   Set time: 15 seconds
   2) 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)

step 6: When the temperature rises to the set temperature, the buzzer sends out a sound; then close down heat
   platen(meantime the sounds stop) and starts to transfer.

step 7: Time is counting down; once time is up,the buzzer will send out a sound again, the heat platen will open
   automatically (meantime the sounds stop).

Step 8: Work finish and take out the cap. If you want to print on another cap, press ⓞⓚ button and confirm the
   time and temperature set as last time, then repeat above process.

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口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 rationally. This is due to movement allowance within the clamp
assembly, and is normal.

Plate Heat Element
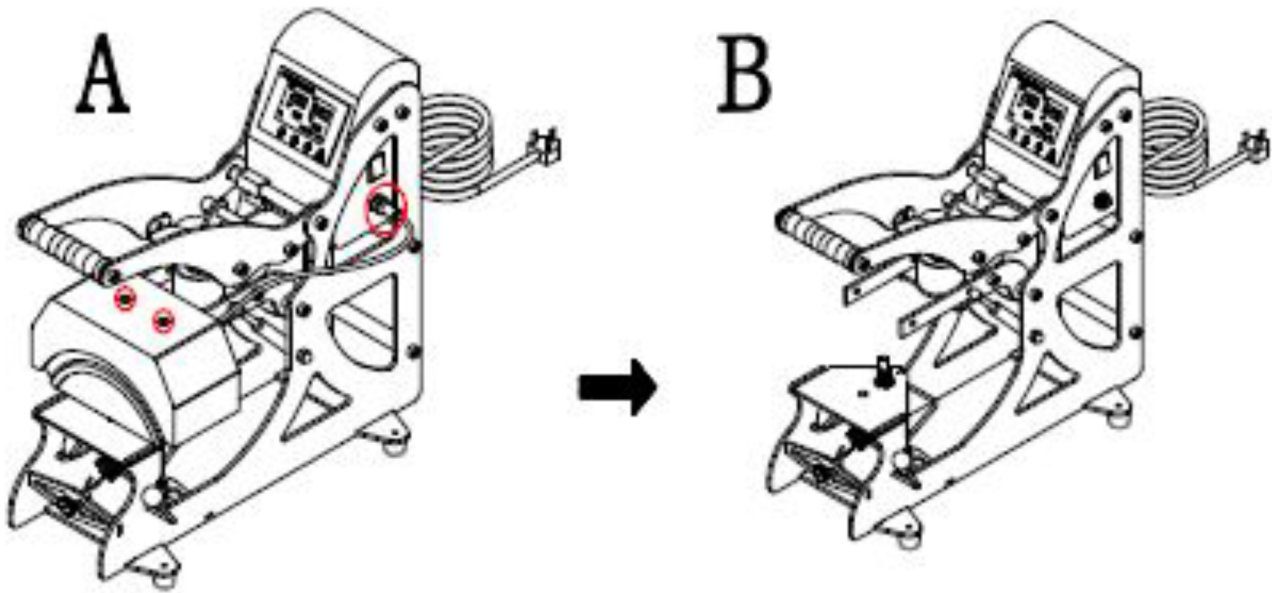
Remove the male socket which is connected to
Female socket set in side of electrical case;
Unscrew two screws on the cap heat platen.

Install 15x15cm heat platen as the above picture

Fitted with locking screws, and insert the socket.
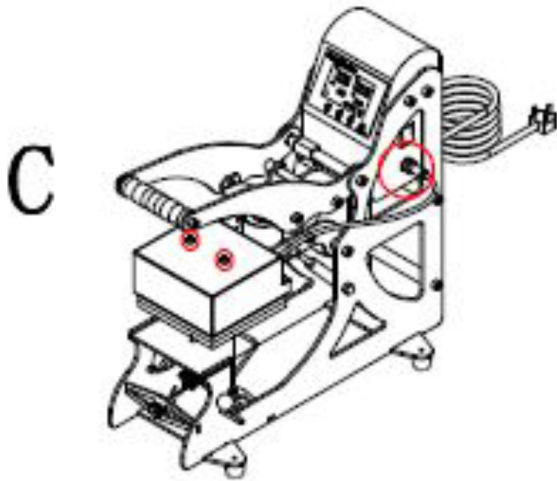
IV. Maintenance

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 heat platen's 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.

V. 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.
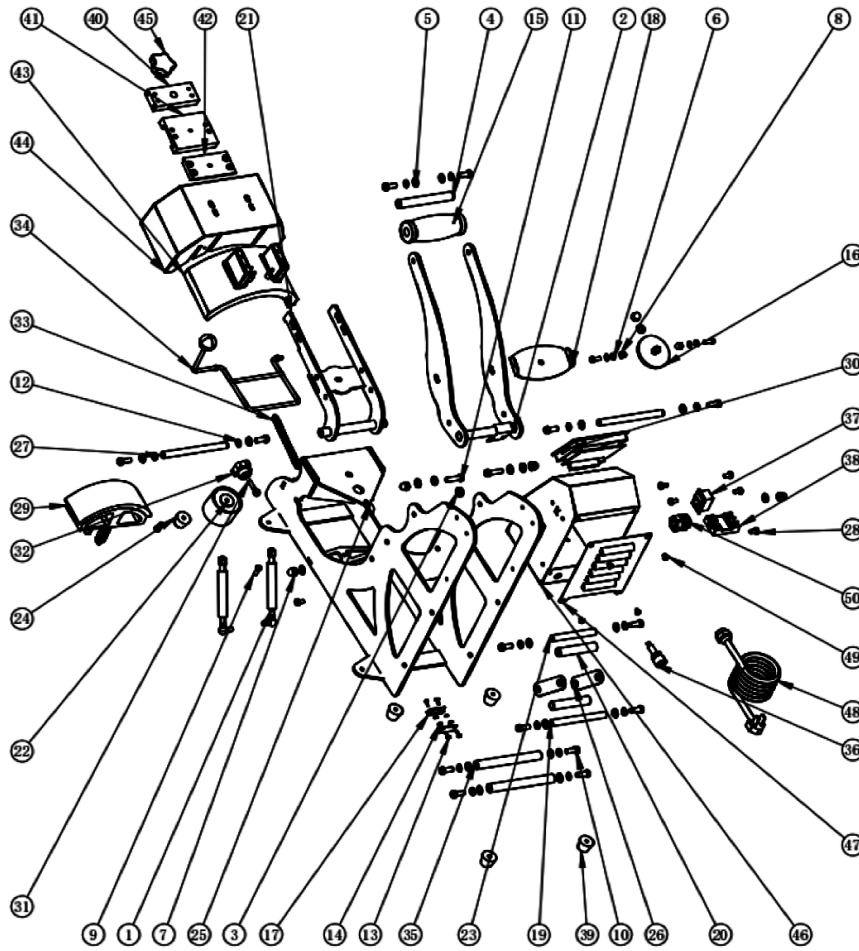
VI. Circuit Diagram

(GY-06 Digtial controller/220V）
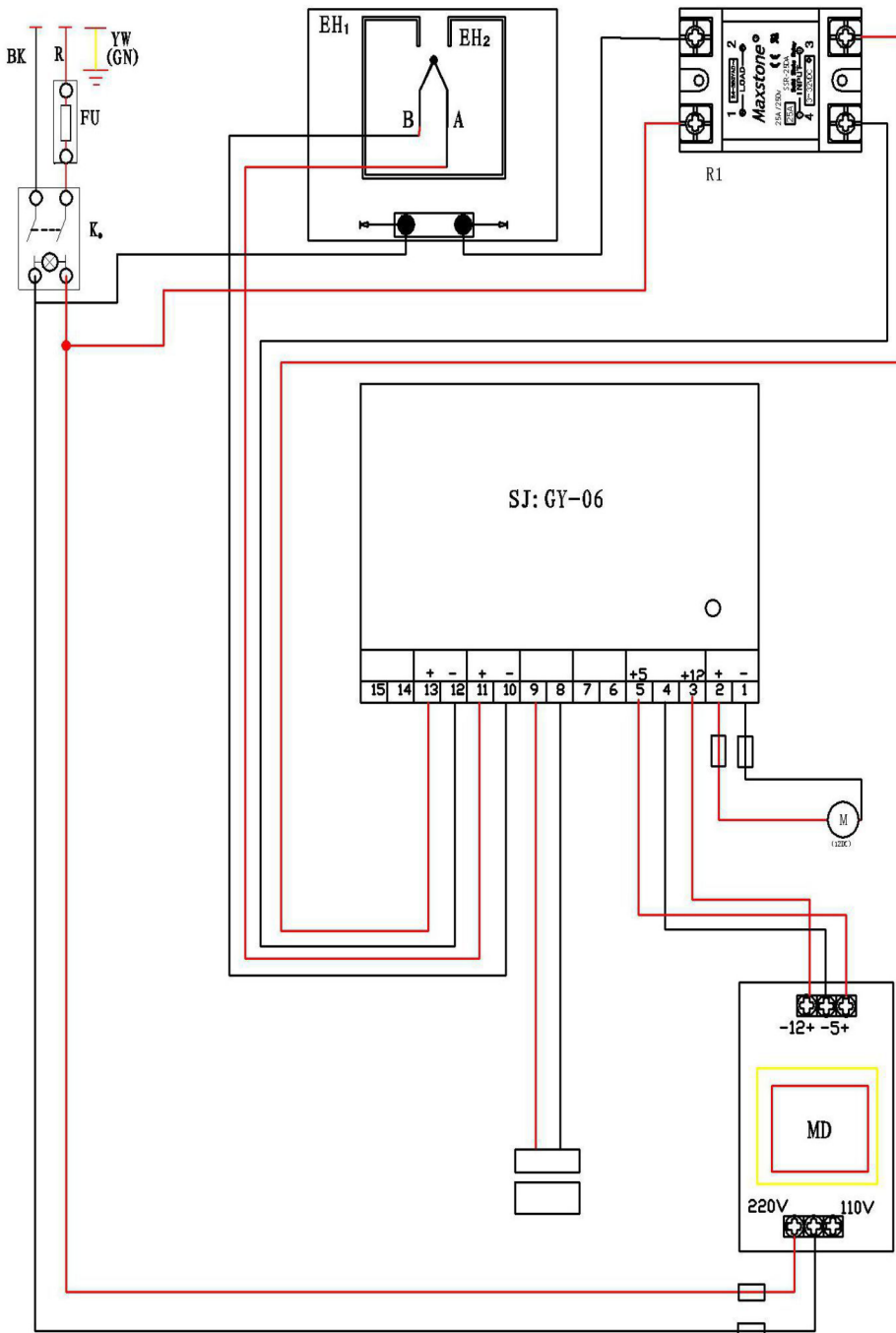
K0:Power Swith
M:Magnet
K2:Limit Switch
T:Transformer
FU:Fuse
R1:Relay
EH1 EH2:Heating Pipe
MD:Magnet Driver
SJ:Digital Controller

VII. Explosion View

NO.	PRODUCT CODE	DESCRIPTION	QTY	UNIT
1	20240022	Gas spring 20KG	2	PCS
2	88001711	Handle	1	PCS
3	88001242	Isolation steel sleeve outer 16 length 14MM	2	PCS
4	20150001	Handle fixing shaft ℂ16*120	1	PCS
5	20160081	Flat pad ℂ8*ℂ17*1.0MM\304	21	PCS
6	20160062	Flat pad ℂ6*ℂ16*1MM\304	4	PCS
7	20130153	Button head nut M8\304	5	PCS
8	20130152	Button head nut M6\304	2	PCS
9	20000105	Cup head hexagon screw M6*16MM\304	4	PCS
10	20000154	Cup head hexagon screw M8*20MM\304	14	PCS
11	20000156	Cup head hexagon screw M8*30MM\304	2	PCS
12	20170005	Spring pad ℂ8\304	14	PCS
13	20080002	Screw with washer M3*10MM	4	PCS
14	20130001	Hexagon nut M3\304	4	PCS
15	30030001	Handle cover	1	PCS
16	88000040	Electromagnet suction plate	1	PCS
17	10020215	Door magnetic switch	1	PCS
18	88001717	Electromagnet suction plate fixing plate	1	PCS
19	20150011	Pin M8	1	PCS
20	88001240	Isolation steel sleeve outer diameter 16 length 82MM	2	PCS
21	88001714	Lifting arm	1	PCS
22	10240001	Electromagnet	1	PCS
23	20150012	Pin M8	1	PCS
24	30040001	Conical small machine feet φ19*10mm	1	PCS
25	88001704	Machine frame	1	PCS

NO.	PRODUCT CODE	DESCRIPTION	QTY	UNIT
26	88001718	Connecting piece	2	PCS
27	20150010	Pin M8	2	PCS
28	20030015	Large flat head Phillips screw M6*12MM	6	PCS
29	90006381	Base plate+silicon pad 78*125MM	1	PCS
30	10000017	GY-06 Digital controller	1	PCS
31	20651008	Screw 25*6*5mm	1	PCS
32	20290001	Five Star Hand Wheel M6	1	PCS
33	20230005	Extension spring ℂ3.0*20*60MM	1	PCS
34	88001246	Hat rack	1	PCS
35	88001725	Gas spring isolation sleeve	2	PCS
36	10180202	Breaker\15A\250V	1	PCS
37	10020203	Power switch 16A	1	PCS
38	10010015	Solid state relay SR-40DA	1	PCS
39	30040002	Big conic meachine feet	4	PCS
40	88004841	Lifting arm with aluminum block	1	PCS
41	88004289	Sliding guide plate 2	1	PCS
42	88004430	Sliding guide plate 1	1	PCS
43	80000021	Heating platen 120V\500W	1	PCS
44	88001727	Heating platen cover	1	PCS
45	20280007	Five star handle M6*25MM	1	PCS
46	88001751	Electric box	1	PCS
47	88001724	Electric box rear cover	1	PCS
48	10210005	Power cable with US plug	1	PCS
49	20030022	Large flat head Phillips screw M5*6MM\304	4	PCS
50	20200002	Cable Connector	1	PCS