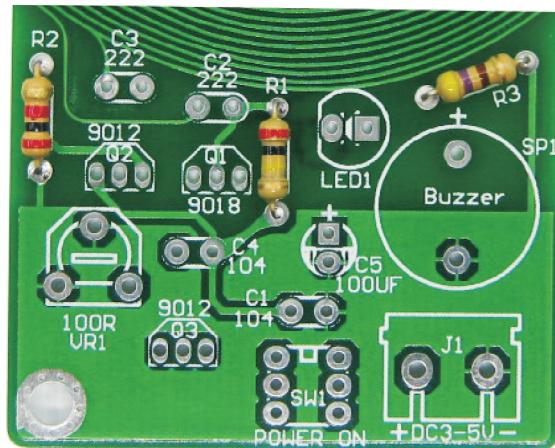
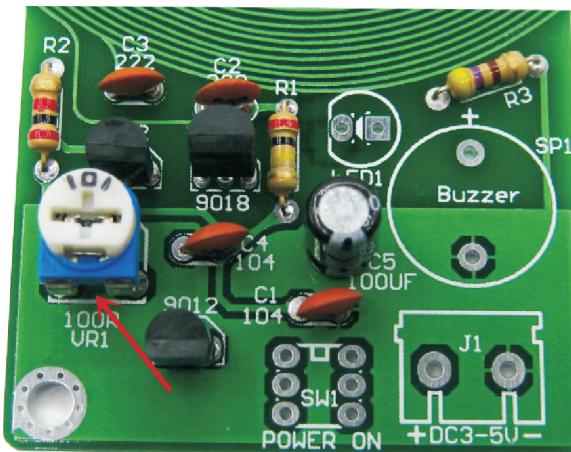
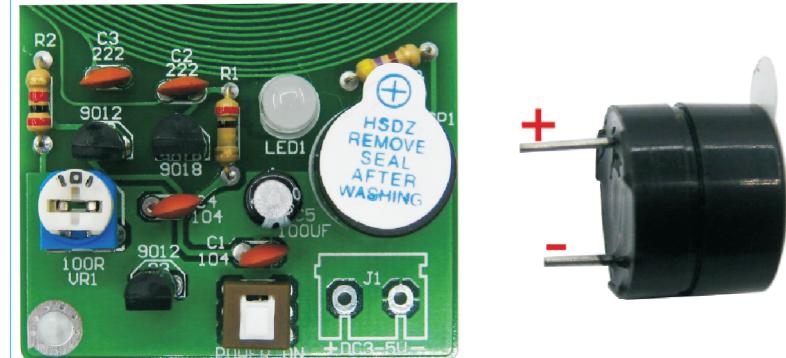
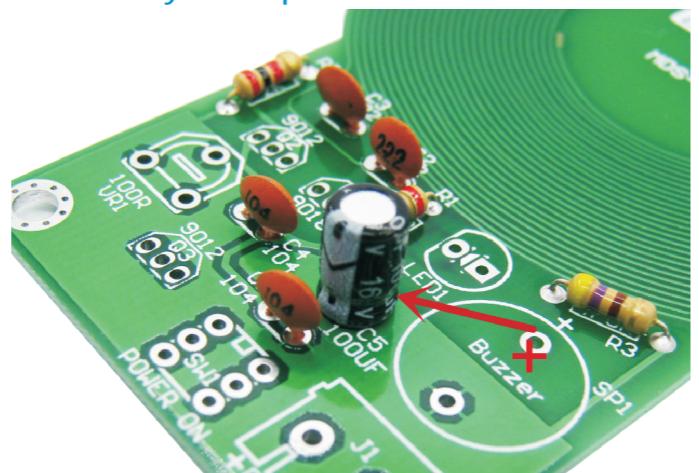
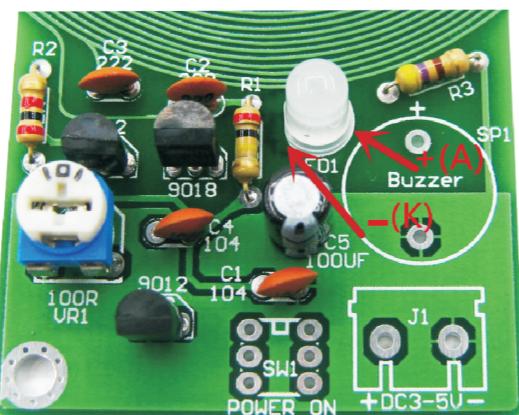


Tools you need:

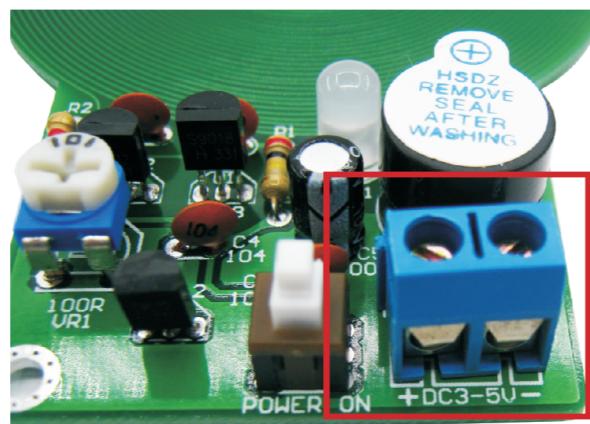
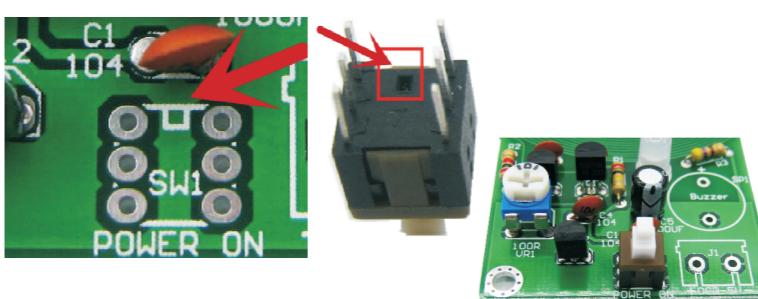
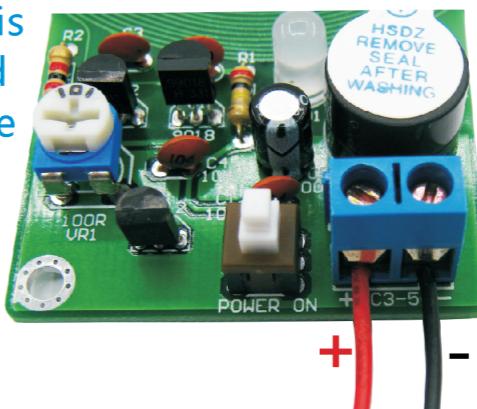
- ①Iron (30W)
- ②Solder wire
- ③Multimeter
- ④Tweezers
- ⑤Wire cutters

Precautions::

- ①Check part values & quantities against part list
- ②Always meter resistor values before soldering
- ③Understand all part polarities and orientations

1. Install RES:
R1=200KR.R2=2K.R3=470R4. Install ADJ-RES:
VR1=100R.7. Install Buzzer:
Pay attention to installation direction2. Install CAP:C1.C4=104pF .C2.C3=222pF.
C5=100uF. Notice that the positive electrode
of electrolytic capacitor can not be reversed5. Install LED:Pay attention to the direction
of LED The long foot is the positive pole.

8. Install battery terminals

3. Install Triode :
Q1=S9018. Q2.Q3=S9012.6. Install Power switch:Pay attention to
the installation direction of the switch9. Battery box wiring:
Connect the red line and black line of the
purchased battery box to the terminal
The red line is
positive, and
the black line
is negative

Warning
Light-emitting diode and electrolytic capacitor
the longer pin is the anode it should be installed
on the rectangle pad of PCB



MDS-60 Metal detector component list

NO.	Name	Parameter	QTY
R3	RES	470R	1
R2	RES	2K	1
R1	RES	200K	1
VR1	ADJ-RES	100R	1
C2, C3	CAP	222P	2
C1, C4	CAP	104P	2
C5	E-CAP	100UF	1
LED1	LED	5mm Red	1
Q2, Q3	Triode	S9012	2
Q1	Triode	S9018	1
SW1	Power SW	6P 6*5	1
SP1	Buzzer	9*12	1
J1	Power-Socket	KF301-2	1
—	PCB	MDS-60	1
Choose	Battery box	AA 1.5V*3	1

Test:The machine is powered by 3 to 5V direct current and connected to the power supply.Turn on the powerswitch, LED bright, adjust potentiometer make LED not bright, potentiometer affect detection distance, the machine detection distance is less than 6 centimeters,detect object size and environmental impact detection distance

