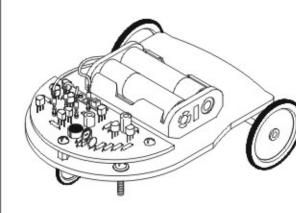
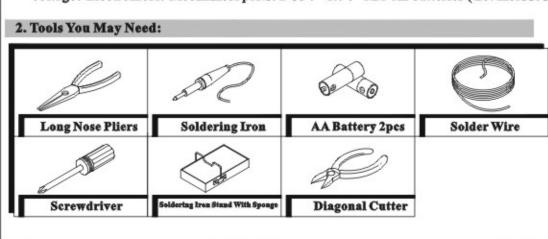
# SOUND REVERSING CAR

## 1. Product Introduction:

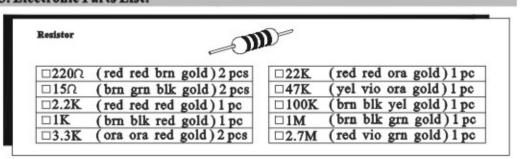


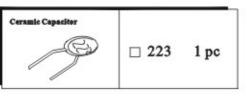
You will find it is fun to learn electronics and mechanism by building this Sound Reversing Car. It is a simple voice control robot car by using microphone as its detector. It moves forward normally unless the microphone receives signal like clap or physical contact. The car will move forward when you switch on the unit, when the microphone detects noise it will turn back and left side for few seconds then keep forward moving again until the next signal are received by microphone.

Power source required: Voltage / Electronical / Mechanical parts: DC3V 1.5V "AA"X2 batteries (not included)

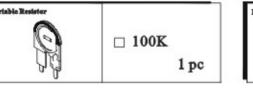


#### 3. Electronic Parts List:

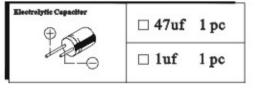




Transistor	□8050	2 pcs	
S	□8550	2 pcs	
11/2	□C945(C1815)5pc		

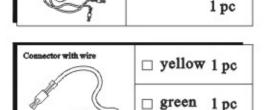


Holder with 8cm wire

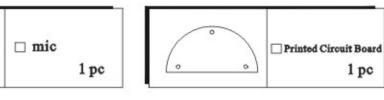


□ Ø 1.3mm pin

4 pcs

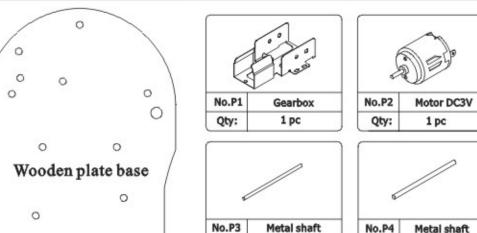






1 pc (2X40mm)

### 4. Mechanical Parts List:













No.P12



# 5. PCB Assembly:

The parts I.D. (identification) for each

6. Mechanical Assembly:

Gear box Assembly

step 1: Suggest you start from the low-key components first such as the resistors.

step 2: Mount Capacitors, Transistor,

VR, Mic, Slide Switch, Pins.

transistor 8050

transistor 8550

VR 100K Microphone Slide Switch

Description

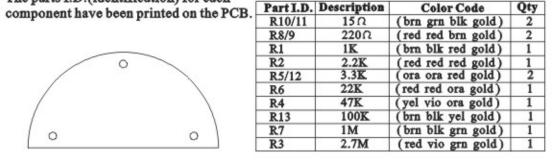
47uf electrolytic capacitor

1uf electrolytic capacitor

transistor C945 or (1815)

Ø1.3mm Pin

223 ceramic capacitor



Part I.D.

C2 C3

TR4/8

TR3/7

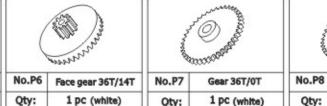
MIC

P10X2

Note: The protrudent edge should

be toward the metal case

TR1/2/5/6/9



Qty:

No.P15

Qty:

No.P19

Qty:



Qty:

No.P13

No.P17

Qty:

No.P25

Qty:

1 pc (3X90mm)

Ш	COCOLOR.	***
No	Gear 36T/14T	No.P9
1	1 pc (Green)	Qty:

Front Wheel

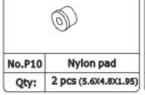
1 pc (#20mm)

Nylon nut

2 pcs

Pinion gear10T

1 pc (white)



Rear Wheel

2 pcs (#32mm)

Round Post

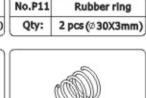
0

No.P14

Qty:

No.P18

Qty:



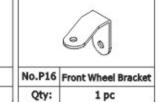
(0,

Spring

1 pc

Washer

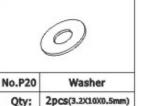
2pcs (2.6X6X0.5mm)



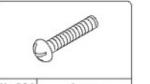
Rubber ring

Qty: 1 pc (#15X2.5mm)

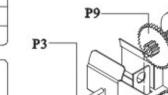


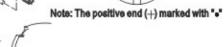












positive of Motor Negative of Motor Yellow wire Green wire 

to be continued

@Manage				<b>Campa</b>			
No.P21	Screw	No.P22	Screw	No.P23	Screw	No.P24	Screw
Qty:	4 pcs (2X10mm)	Qty:	6 pcs (3X5mm)	Qty:	3 pcs(3X18mm)	Qty:	1 pc (3X20mm)



M2 Nut

4 pcs



4 pcs

Qty:



No.P27	Hex Post	No
Qty:	3 pcs(M3X10mm)	



Round Post

Qty: 1 pc (Ø3X6mm)

