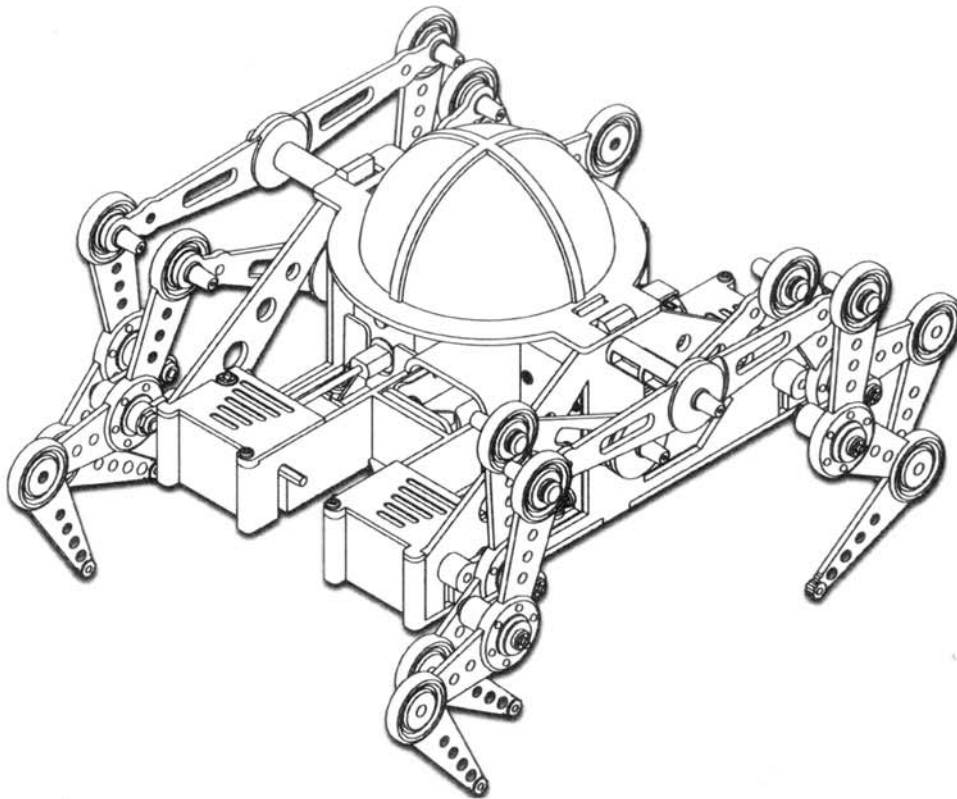


SPACE NINE

◀ THE INFRARED REMOTE CONTROL KIT ▶



Assembly and Instruction Manual

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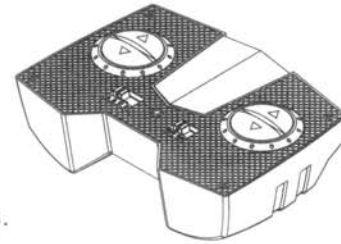
Circuit Diagram	P.13
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Multi-channel I/R Remote Control Box

1. Product Introduction:





- a) It is four channels I/R remote control box.
Set up the different channels by switching the left-hand slide switch.
- b) By using infrared, the unit can control 2 motors to turn forward and backward.
- c) Four teams can play together by setting different channels.







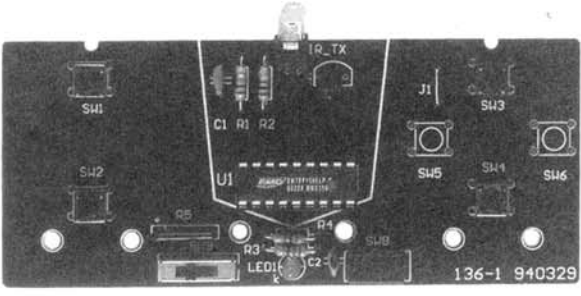

Power source required:

Voltage / Electrical / Mechanical: 1.5V "AA" x4 batteries (not included)

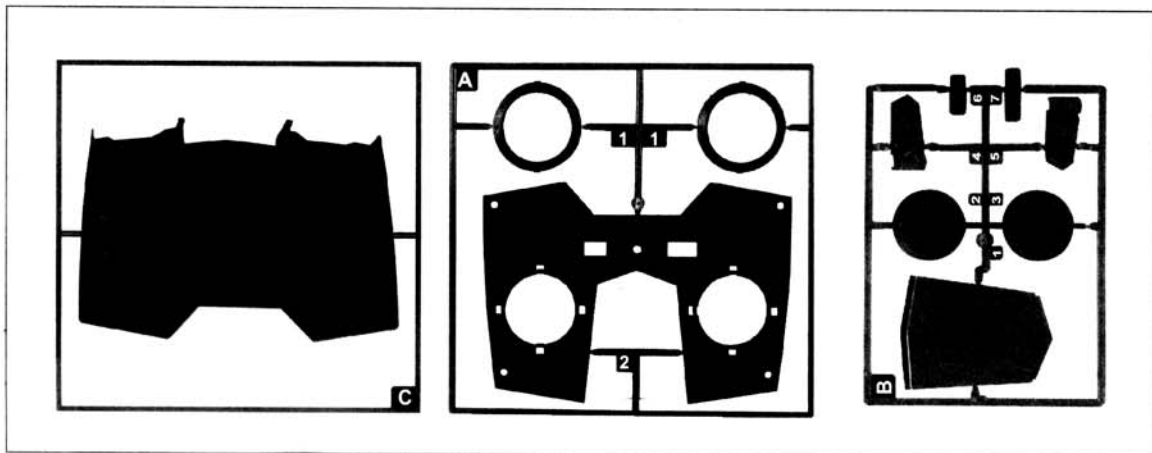
2. Tools You May Need:

Long Nose Pliers 	Diagonal Cutter 	Screwdriver 	AA Battery (4pcs) 
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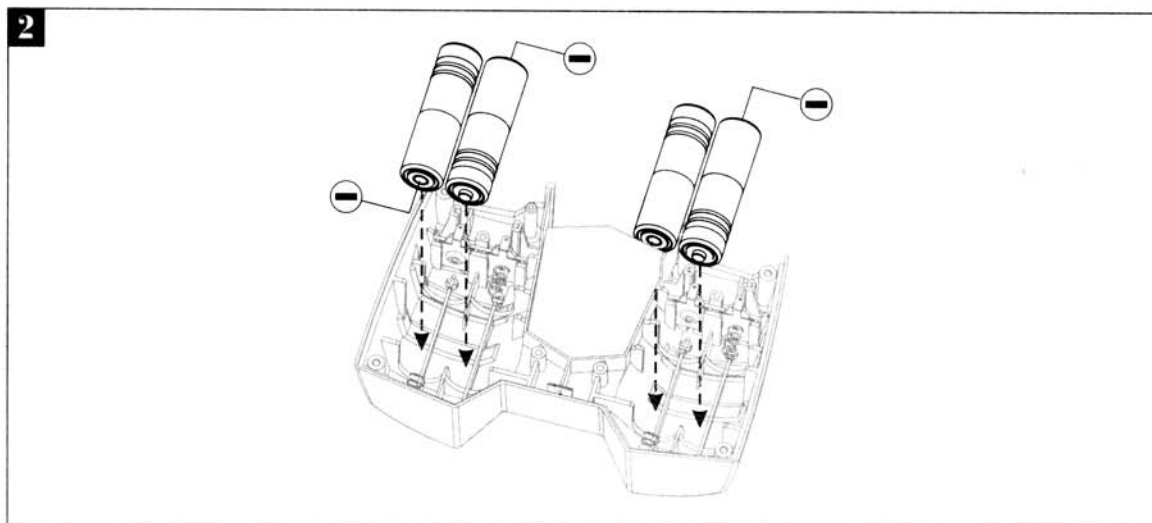
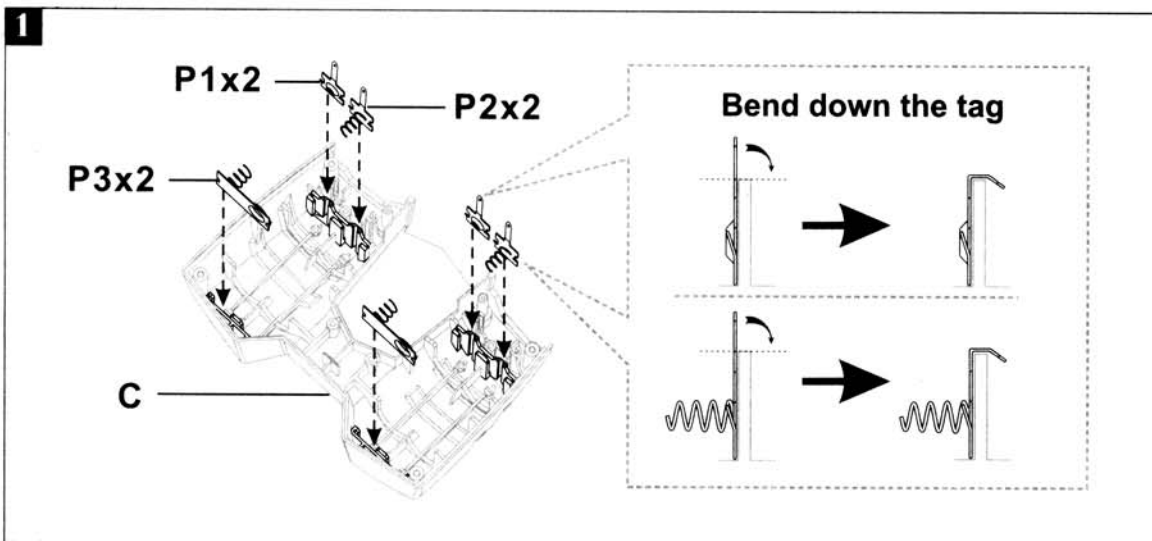
3. Mechanical Parts List:

P1 Battery terminal-1  Qty 2 pcs	P2 Battery terminal-2  Qty 2 pcs	P3 Battery terminal-3  Qty 2 pcs
P4 Tapping screw  Qty 4 pcs (2.3x7)	P6 Finished PCB 	
P5 Tapping screw  Qty 4 pcs (2.6x7)		

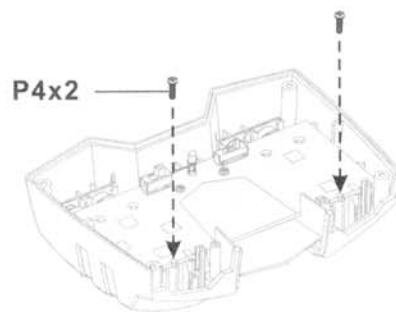
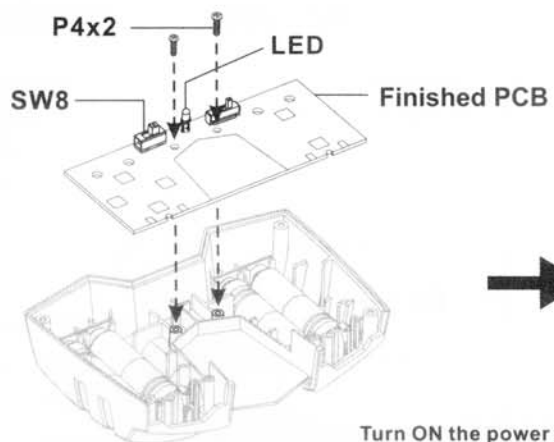
4. Plastic Parts:



5. Mechanical Assembly:

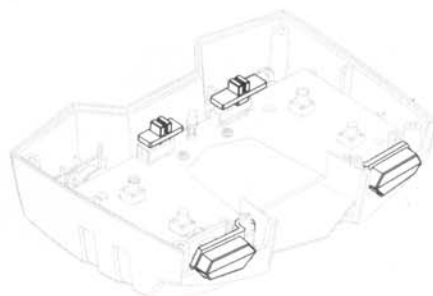
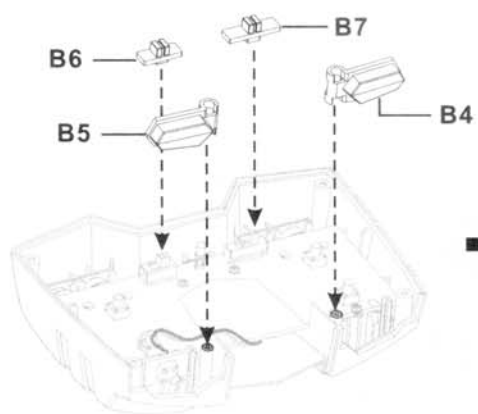


3

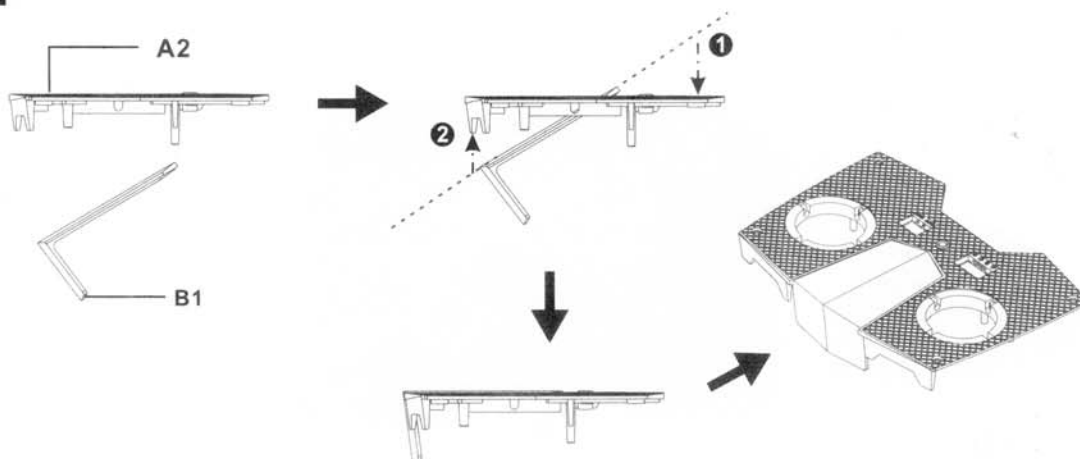


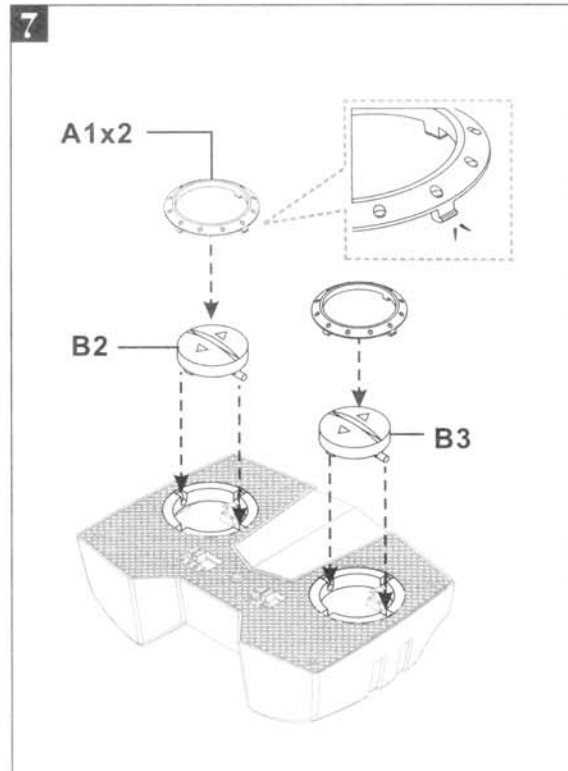
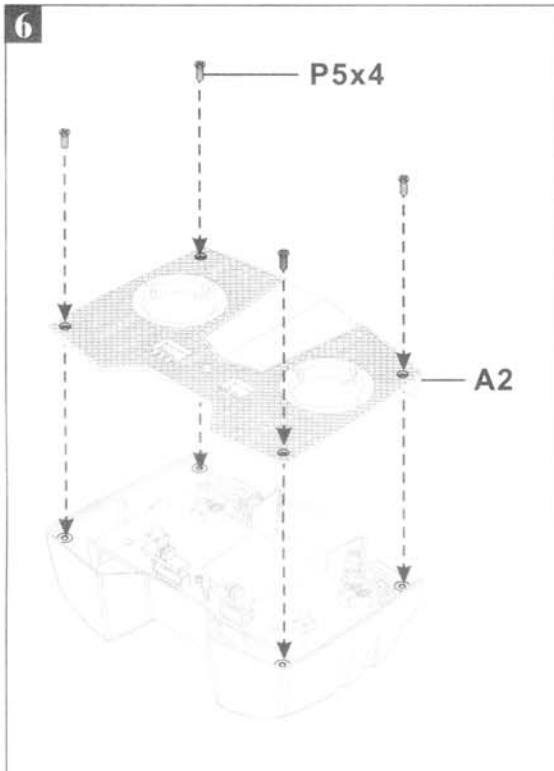
Turn ON the power switch (SW8 to right position), uses 4pcs P4 to screw the PC board tightly until the red LED become to light.

4

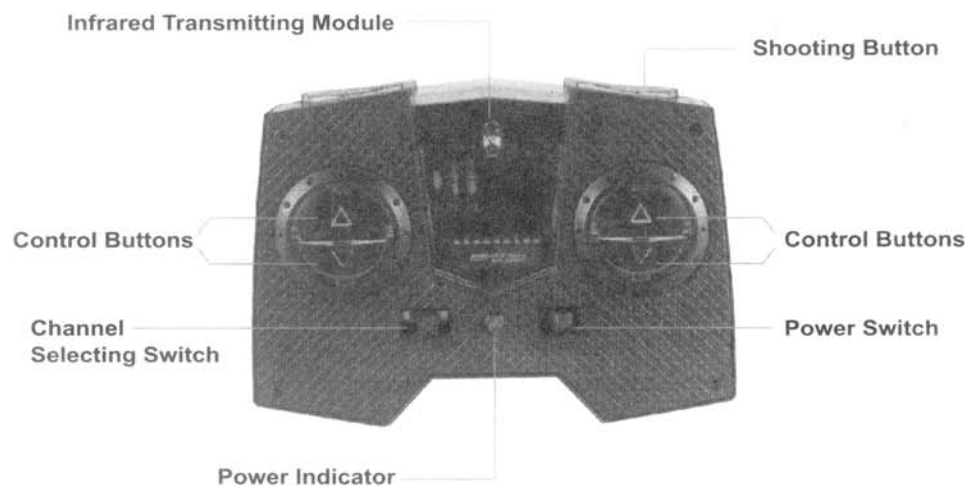
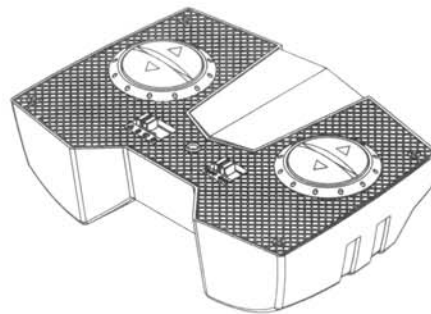


5





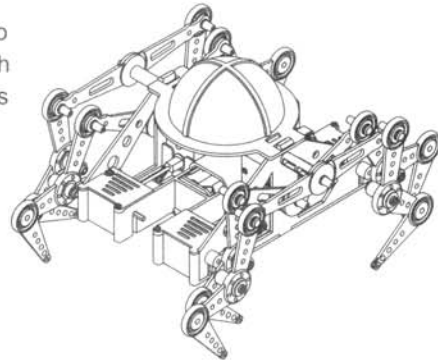
8 Finished Product



SPACE NINE

1. Product Introduction:

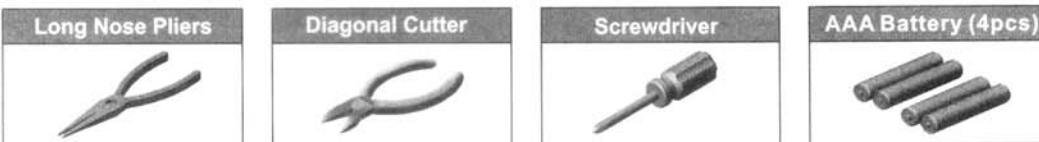
Space Nine an eight-legged star explorer, use remote control to have it moves and turns. The Space Nine can walk on the rough surface, turn left, right and even cross rocks. When it moves, its first and third leg on one side of its body move with the second and fourth leg on the other side. Create a moon surface for Space Nine to explore and enjoy the fun.














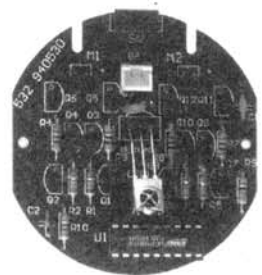

Power source required:

1.5V "AAA" x4 batteries (not included)

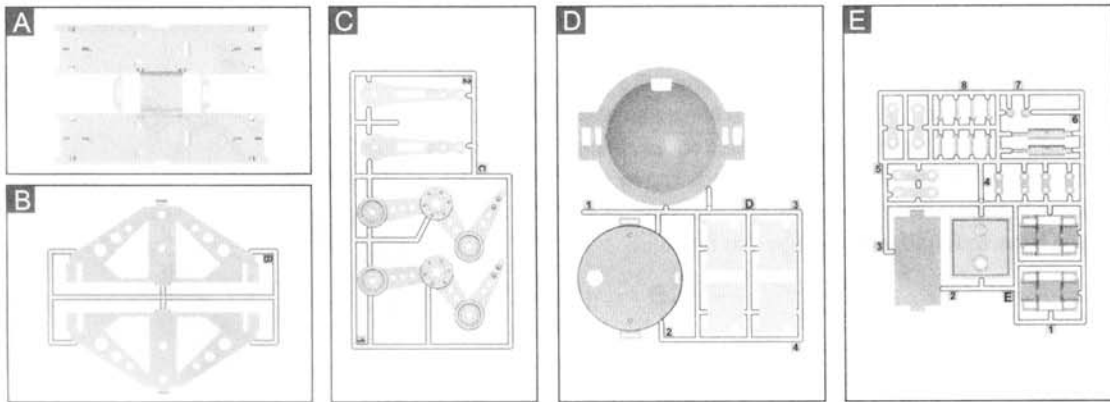
2. Tools You May Need:



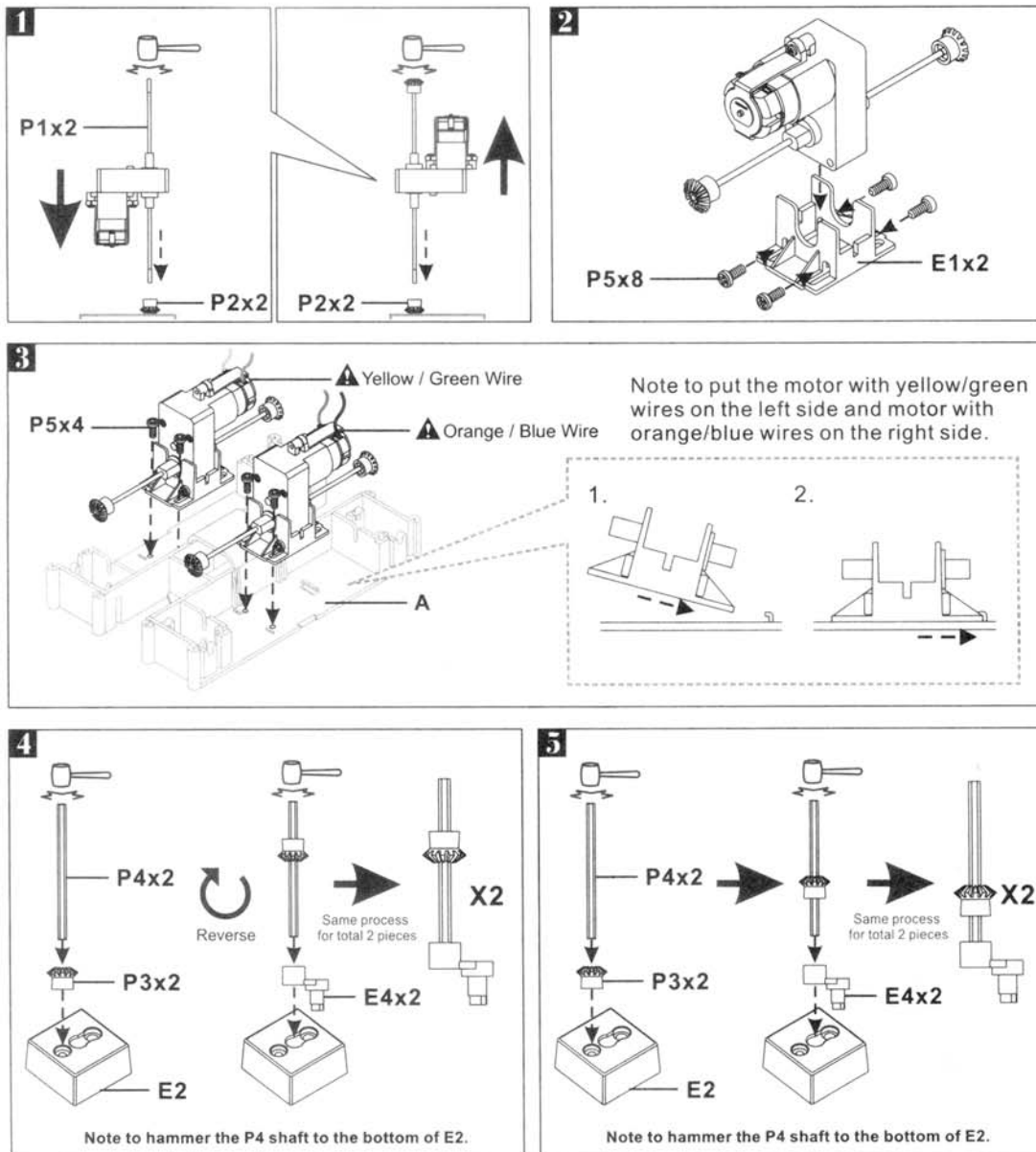
3. Mechanical Parts List:

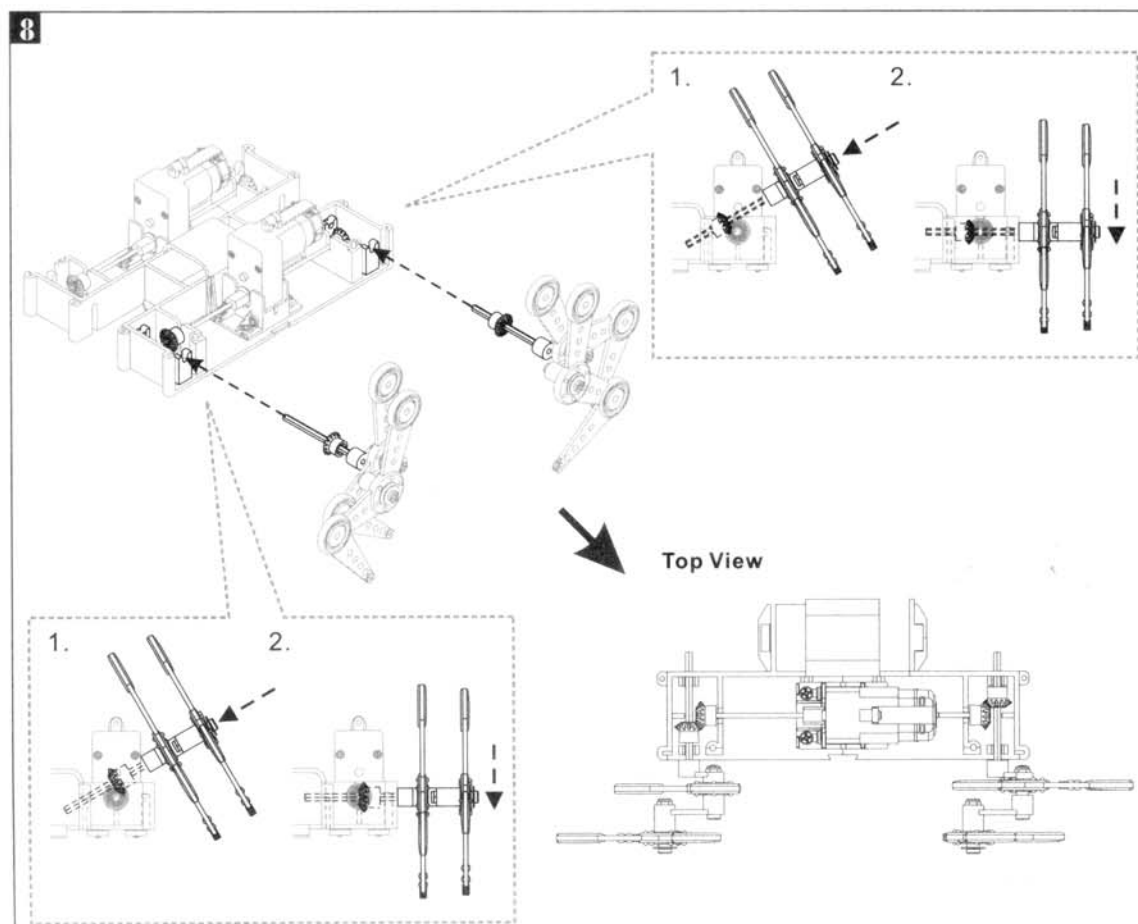
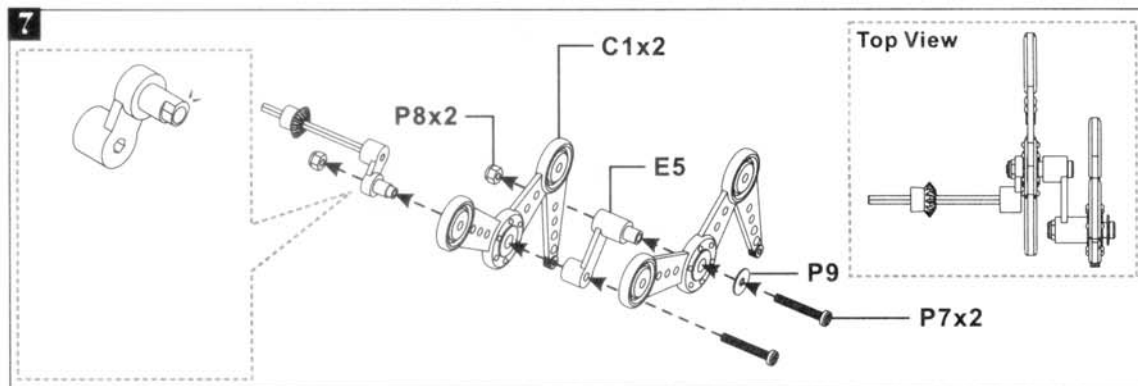
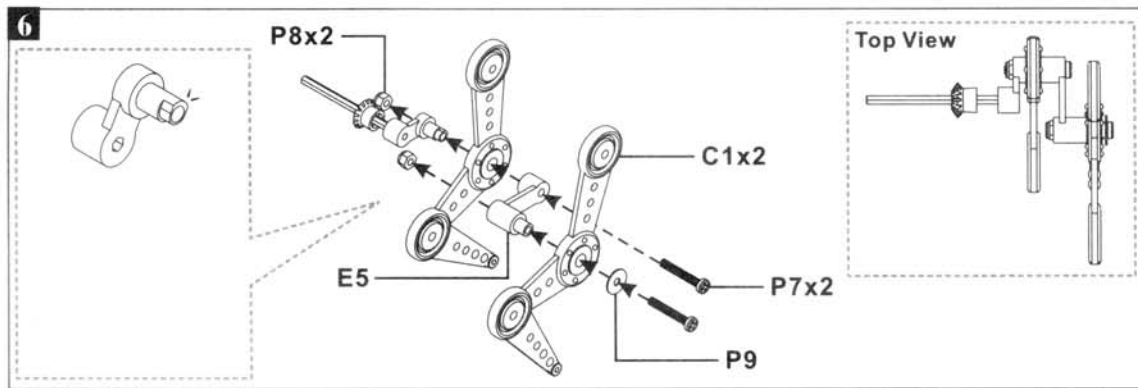
P1 Gearbox  Qty 2 pcs	P2 Bevel Gear(round hole)  Qty 4 pcs	P3 Bevel Gear(hex hole)  Qty 4 pcs
P6 Tapping Screw  Qty 4 pcs (2.3x7mm)	P4 Hex Shaft  Qty 4 pcs	P5 Tapping Screw  Qty 16 pcs (3x7mm)
P9 Washer  Qty 4 pcs	P7 Machine Screw  Qty 8 pcs (3x20mm)	P8 Nylon Nut  Qty 8 pcs
P11 Battery Holder  Qty 1 pc	P10 Nylon Cap  Qty 12 pcs	P13 Printed Circuit Board 
	P12 Wire Tie  Qty 1 pc	

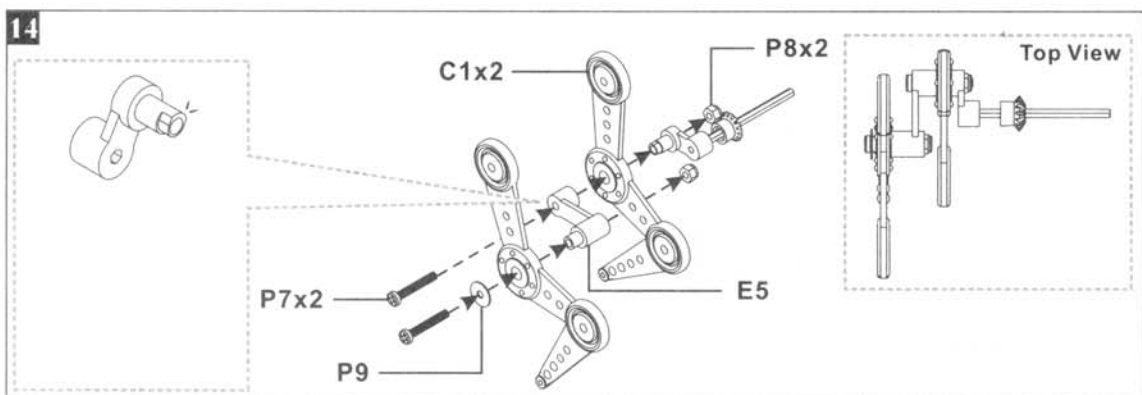
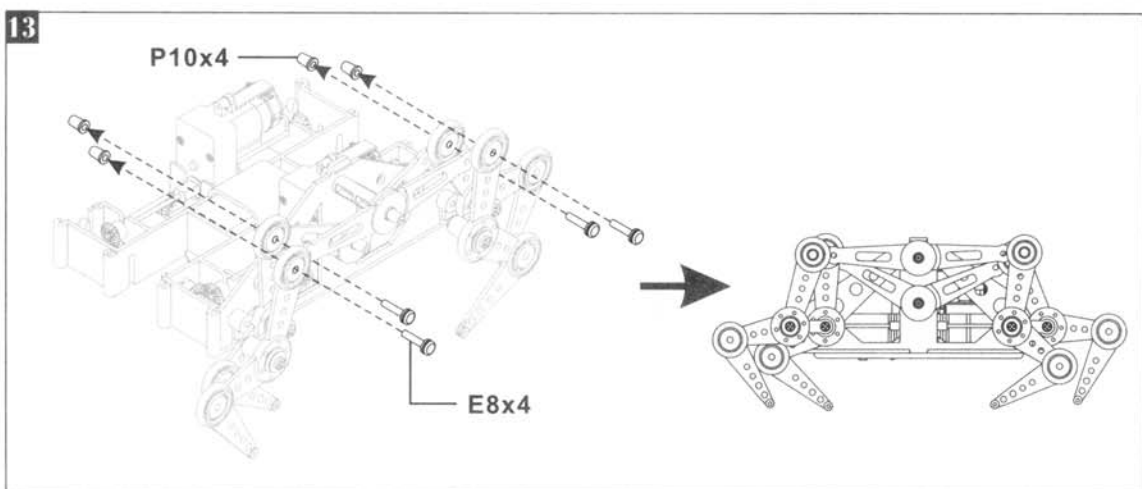
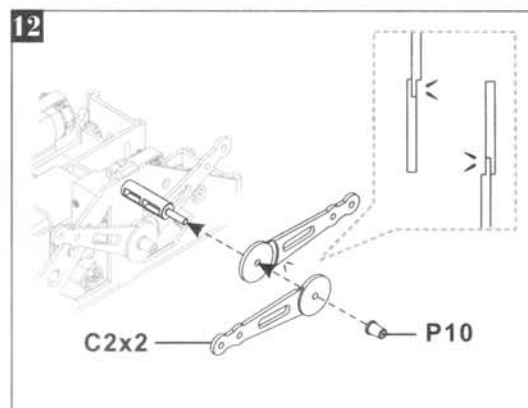
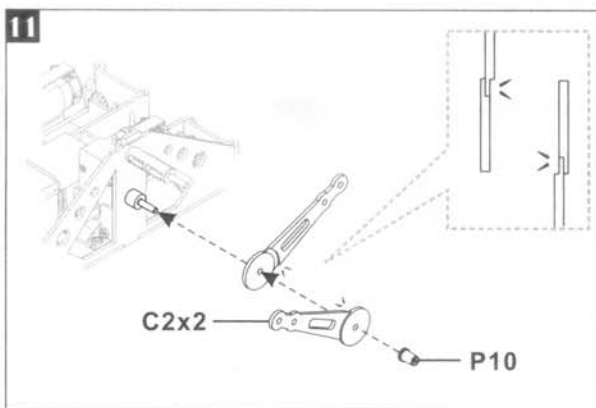
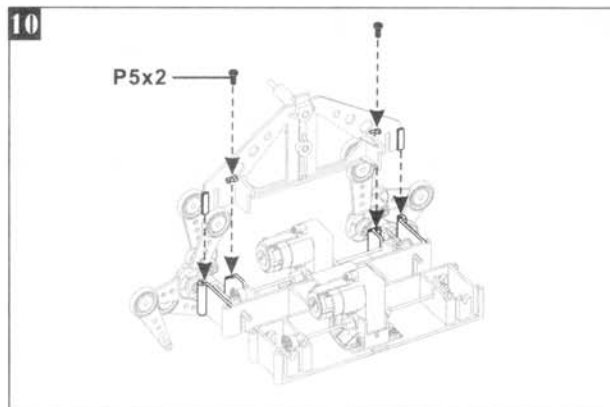
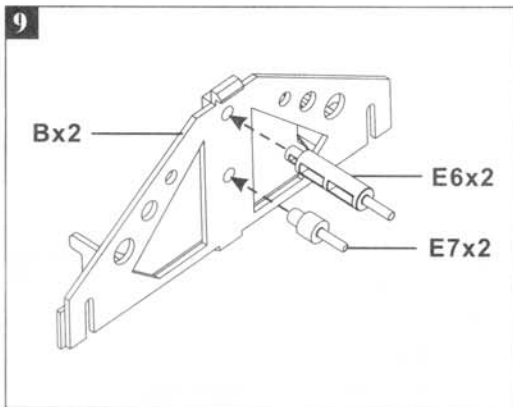
4. Plastic parts:

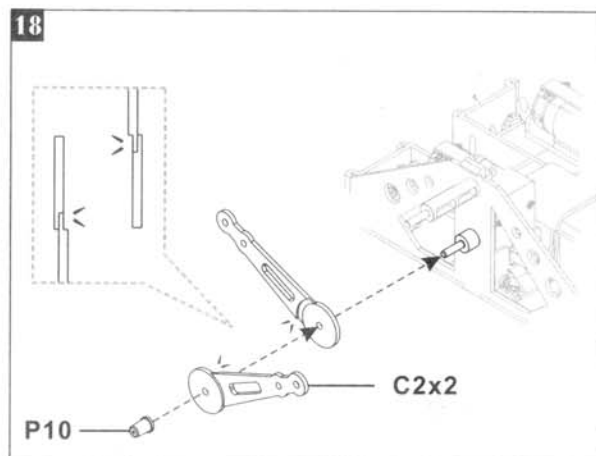
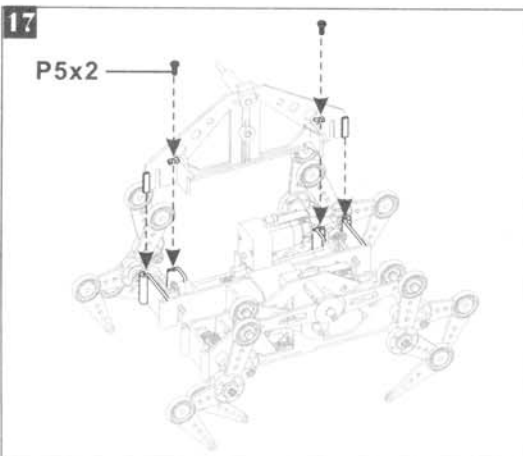
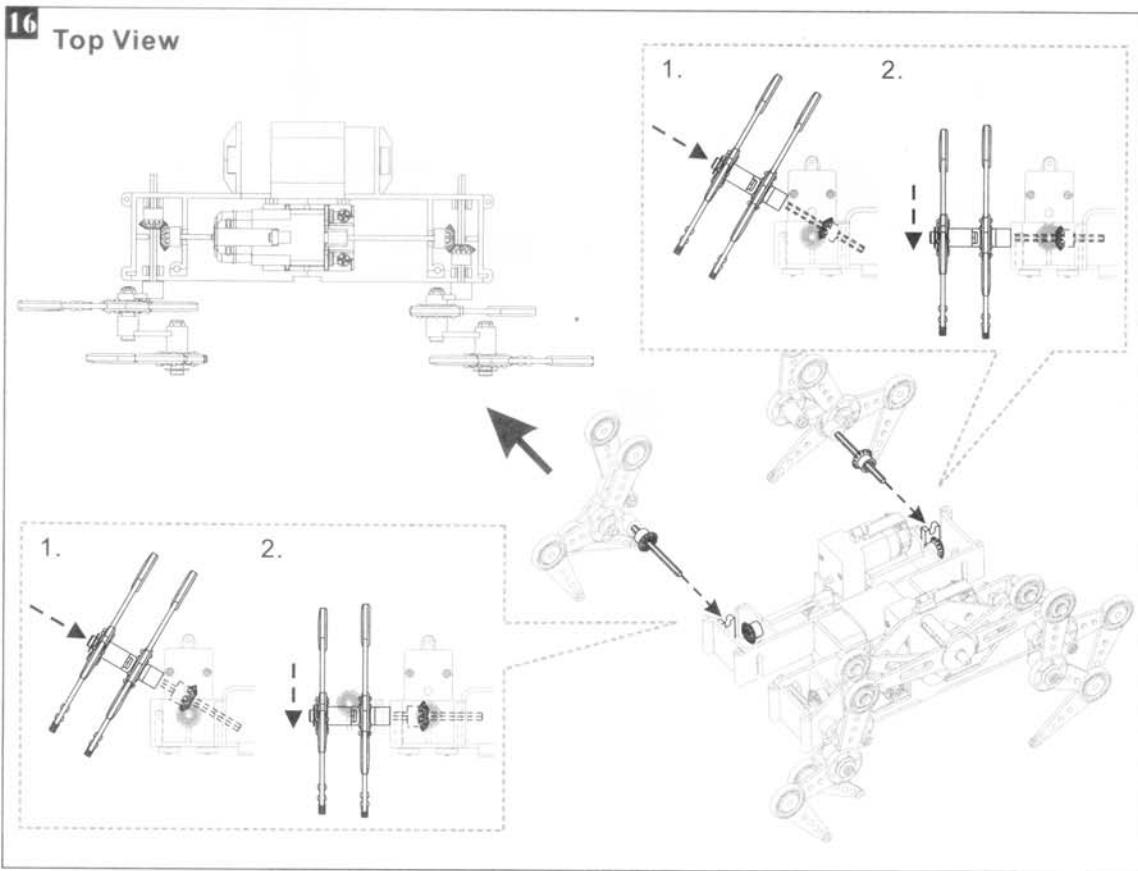
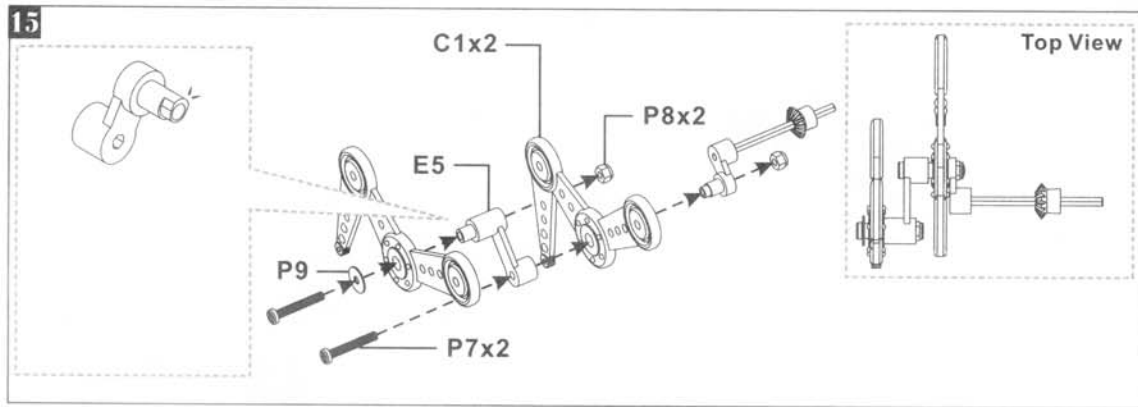


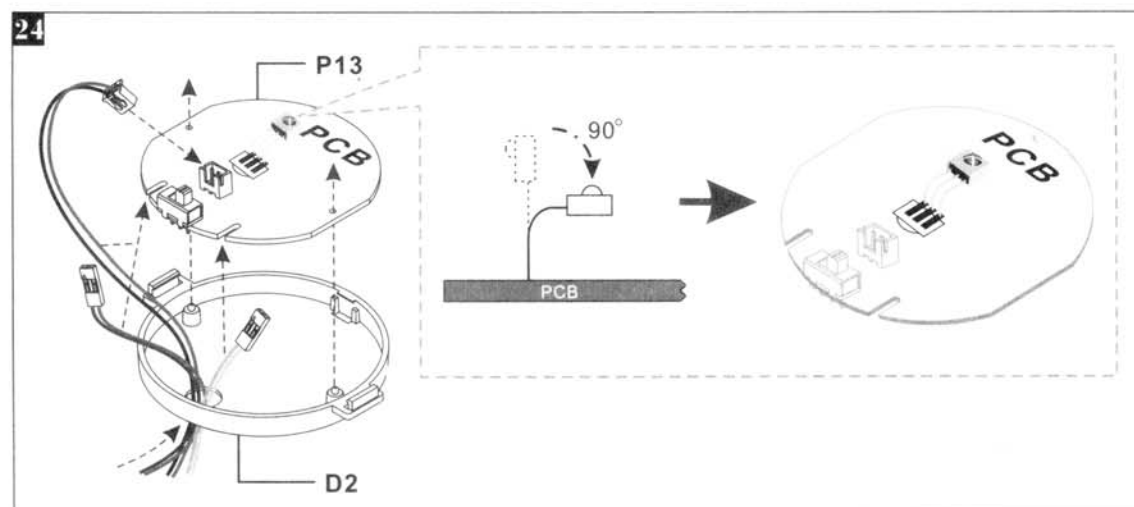
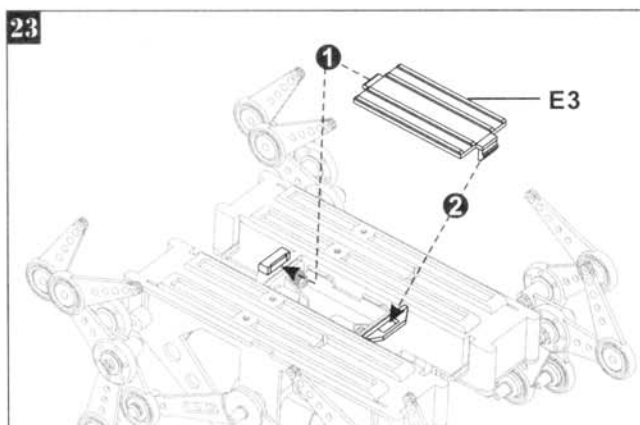
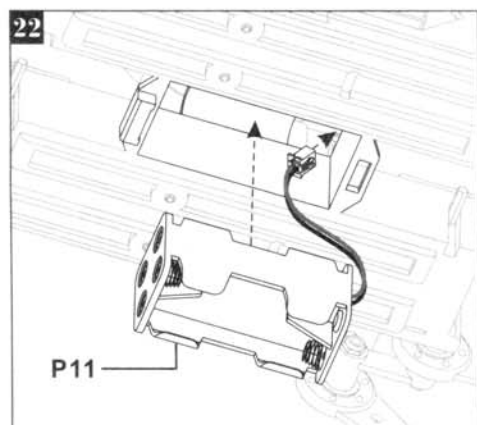
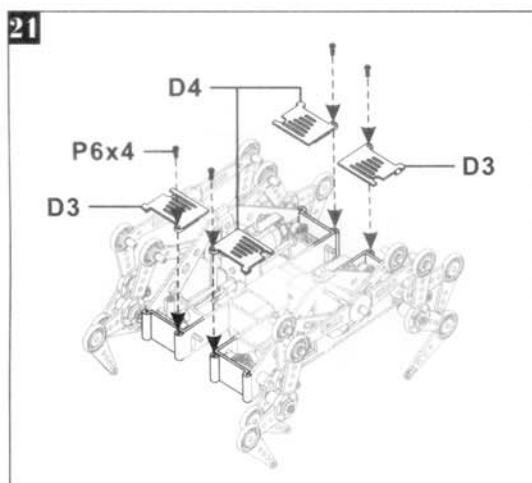
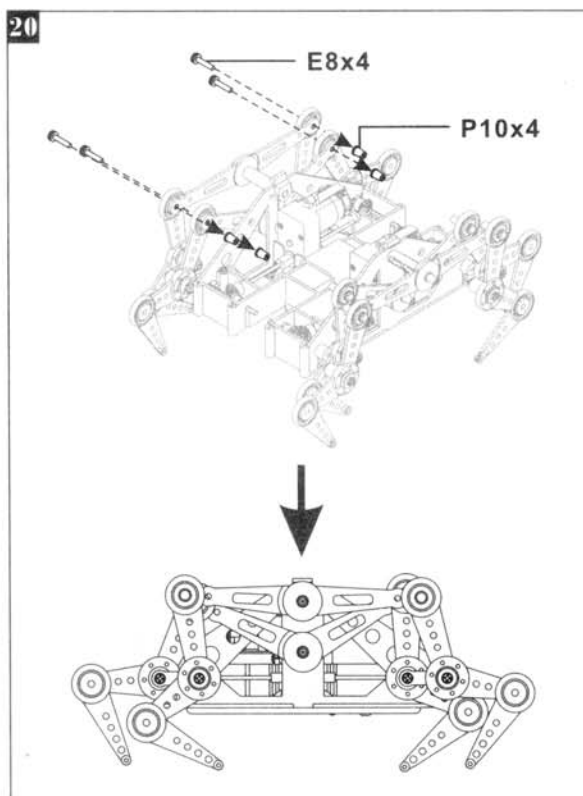
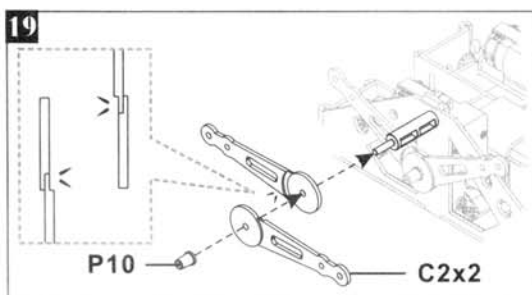
5. Mechanical Assembly:



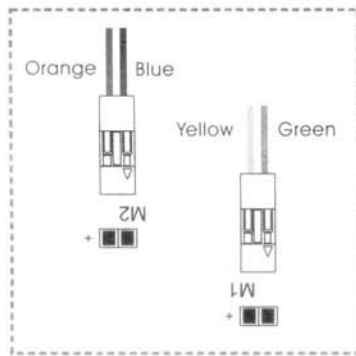




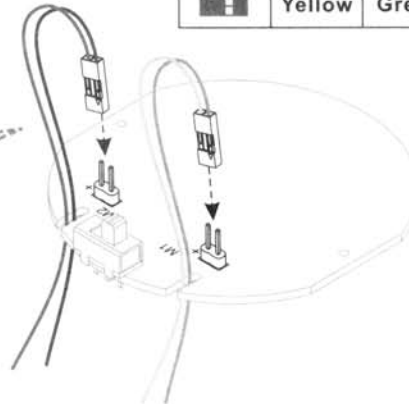




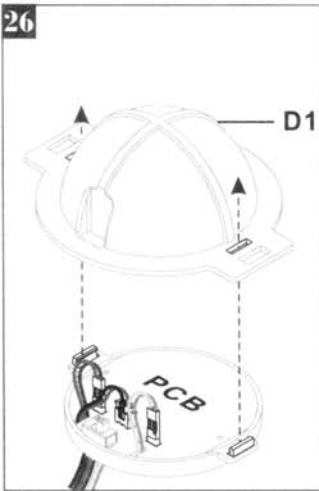
25 Wiring Assembly



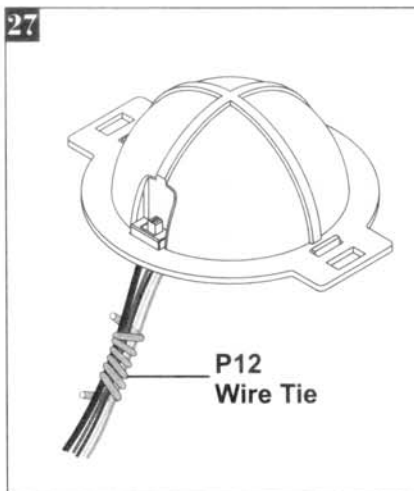
	M1(+)	M1(-)	M2(+)	M2(-)
	Yellow	Green	Orange	Blue



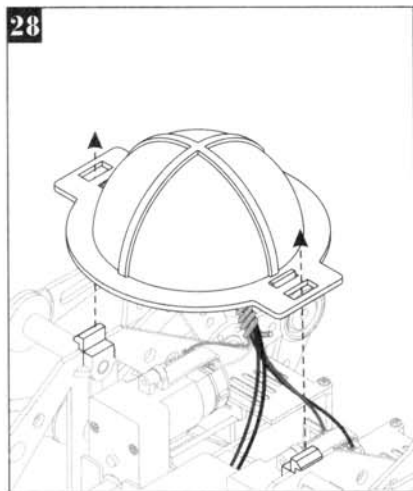
26



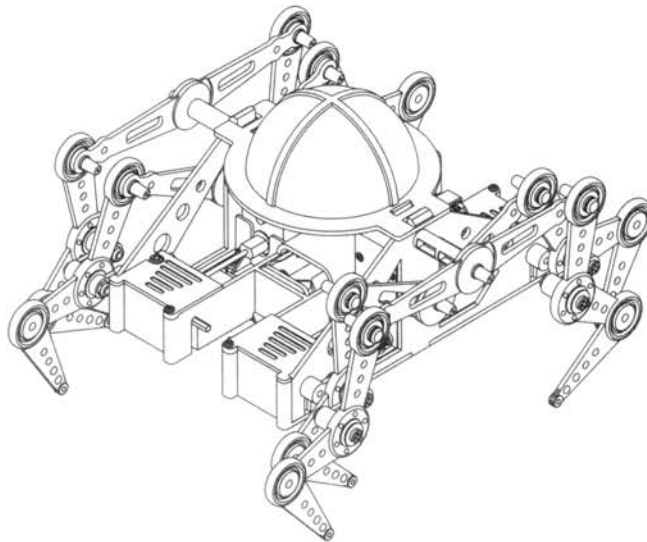
27



28



29 Finished Product



6. How it works:

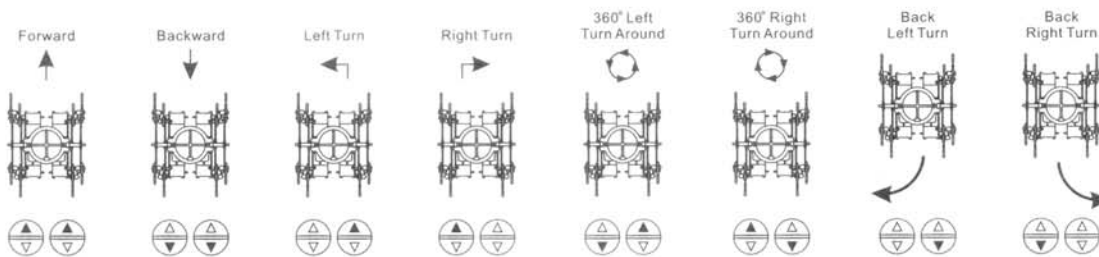
1. I/R Remote Control Box:

Select the channel first by sliding the left-hand switch to A, B, C or D. Then turn the power switch on, the red LED will light. (The channel won't be changed once the power is on.)

2. SPACE NINE:

The SPACE NINE built in receiver module and it will learn the channel from the remote control box. Switch the power to 'ON', the red LED will flash, then point the Remote Control box direct to the SPACE NINE, push any button of the remote control box for 3 to 5 seconds. When the flashing LED on the SPACE NINE become to light, it means your SPACE NINE receive the signal from remote controller and the channel has been set up already.

3. The SPACE NINE can have 8 different movements. See below chart, you can try to control the SPACE NINE walks toward the way you want by pushing the round buttons on the remote controller. Practice it more, you will be familiar soon.



4. The SPACE NINE needs to learn the channel from remote control box every time when you turn on the power.
5. If there are 2 or more players (maximum for 4 players), please note to set up the channels one by one. Make sure the other SPACE NINE are power off when one player is setting up the channel. But if your SPACE NINE has learned the channel already, leave the power 'ON', it won't learn another channel again.
6. To reset a different channel, both the remote control and the SPACE NINE need to turn off the power first, then follow the step 1 & 2 again.

7. Trouble shooting:

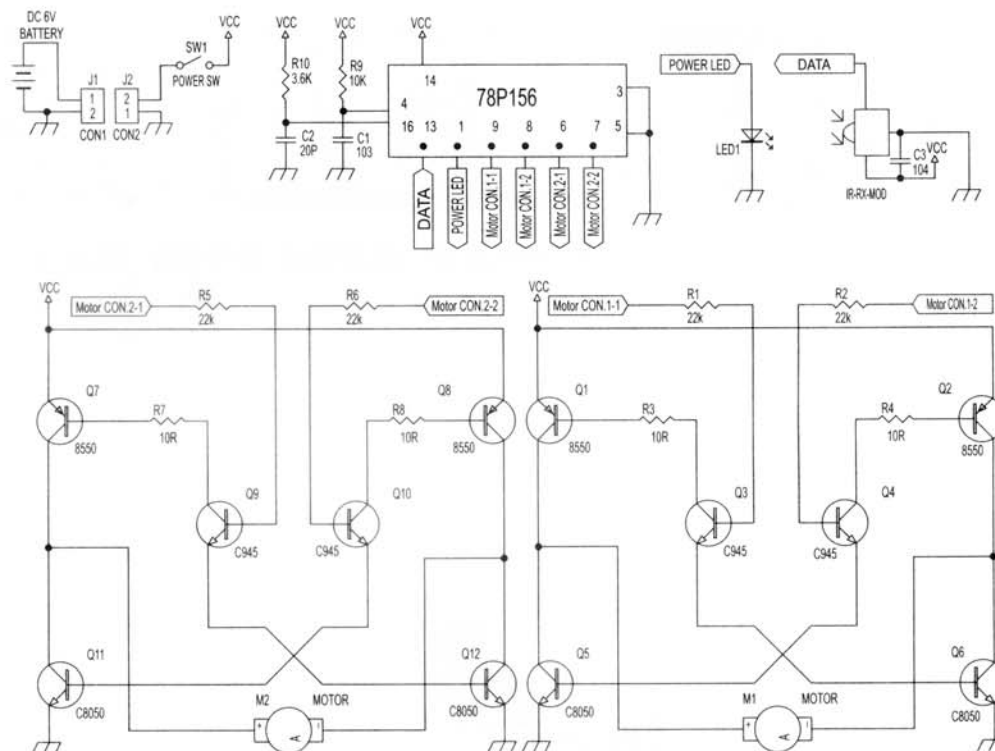
1. I/R Remote Control Box

Check if the battery terminals are contacting properly to the PCB, also check if the batteries are inserted correctly. Make sure the PCB screwed tightly to the case (Refer to figure **3** on page **3**).

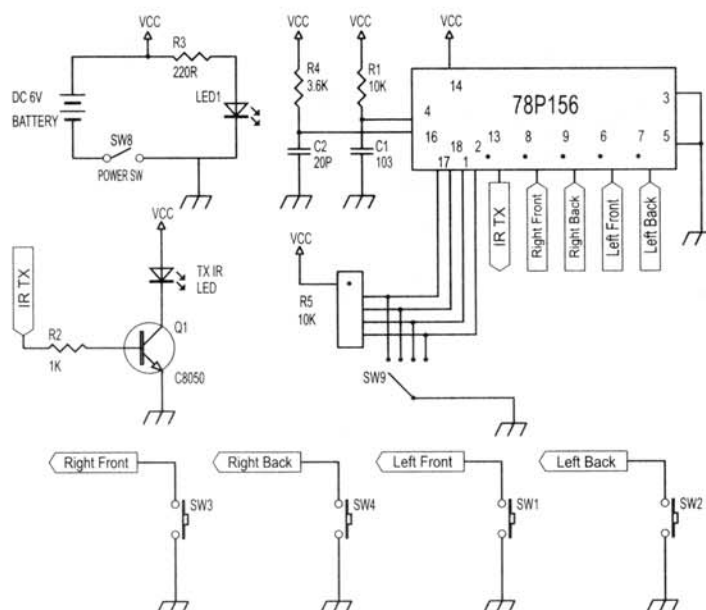
2. SPACE NINE

Ensure all wiring is correct.(Refer to figure **25** on page 11)

8. Circuit Diagram:



Space Nine



Remote Control Box