anko Solar Space Robot User Manual

anko Solar Space Robot

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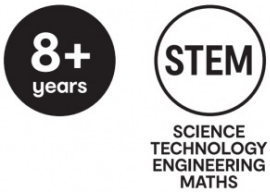
Build Your Own Solar Space Robot



- integrates technology and handcrafts
- adjustable solar panel
- perfect to play under sunlight
- easy to assemble, no glue required
- moving robotic arms
- battery free

Convert sunlight into electricity! See the robot powered up by the sun!

Components

a

1x solar panel

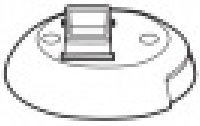
b

1x right hand holder

c

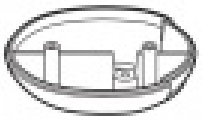
1x left hand holder

d



1x lower half head

e



1x upper half head

f

1x screw driver

g

1x right shaft

h

1x left shaft

i

1x bottom plate

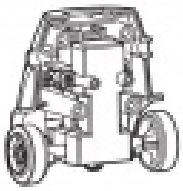
j

1x right hand

k

1x left hand

l



1x halved body with motor

m

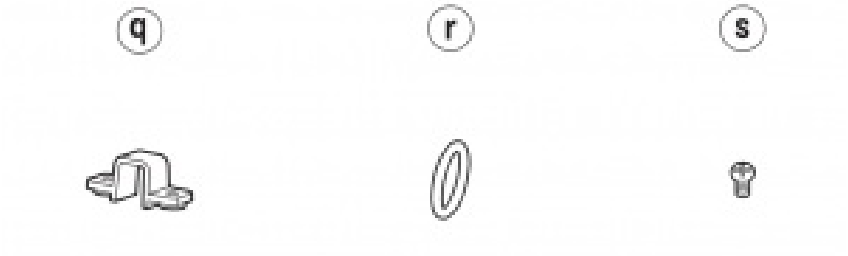
1x halved body

n

2x tyres

o

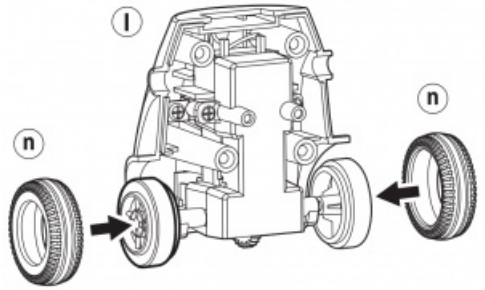
1x front wheel



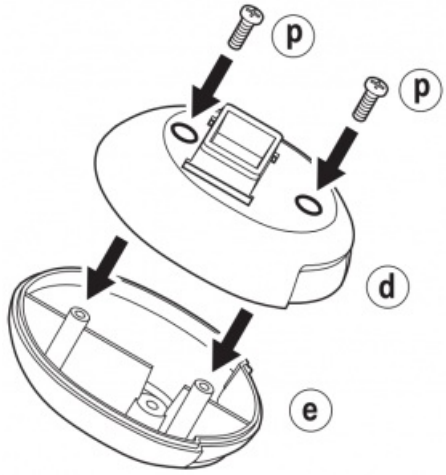
1x front wheel lock 1x front wheel tyre 2x short screws

How to Assemble

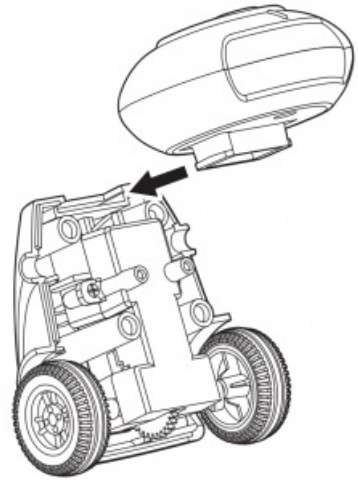
STEP 1:
Encircle the tires to the wheels of the main body.



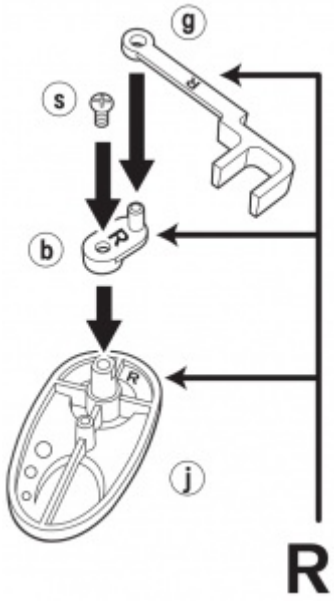
STEP 2:
Assemble the head. Turn it over and use 2 long screws to fasten.



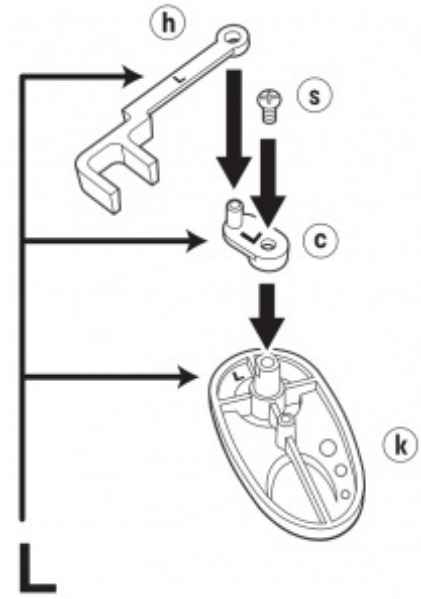
STEP 3:
Fix the head to the main body.



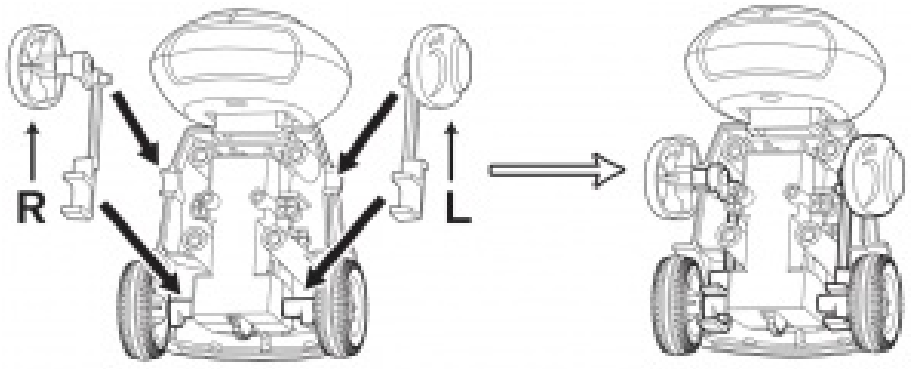
STEP 4:
Put the right joint connector onto the joint of the RIGHT arm. Use a short screw to fasten. Then put the action rod onto it. Note that there is a letter R on the joint connector and action rod. Do not mix up with the left ones which have a letter L on them.



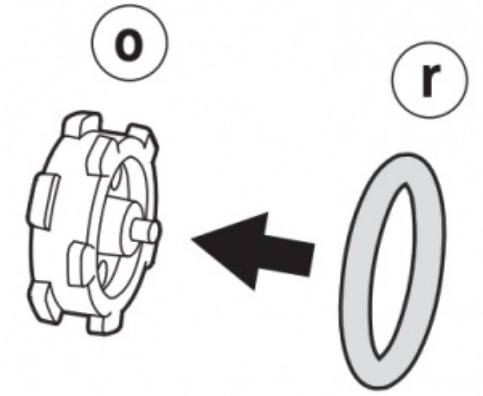
STEP 5:
Do the same thing to the LEFT arm part. Note that there is a letter Lon the joint connector and action rod. Do not mix up with the right ones which have a letter R on them.



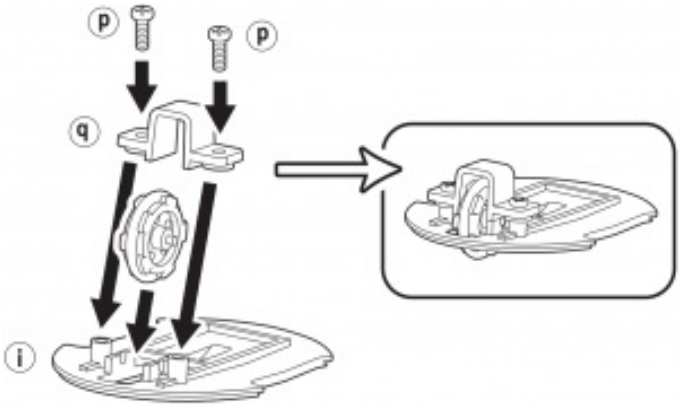
STEP 6:
Put the left and the right arms onto the shoulder slot on the main body. Note that the action rod should be settled behind the wheels.



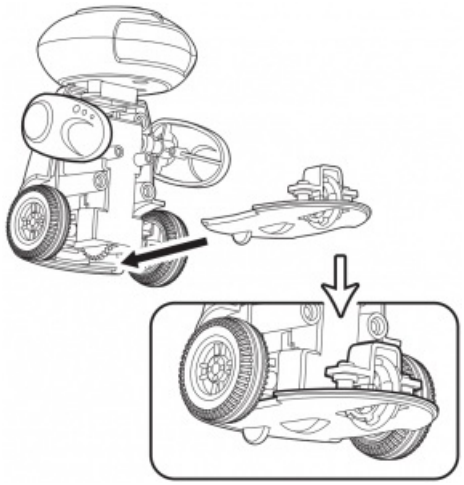
STEP 7:
Circle the tire to the front wheel.



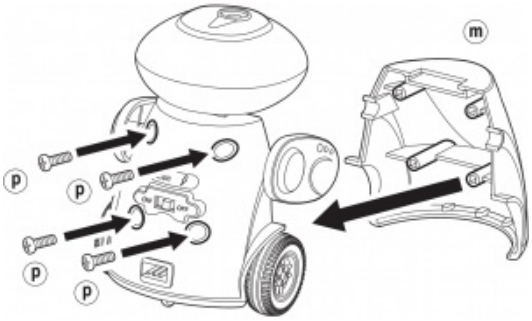
STEP 8:
Put the front wheel onto the base. Cover it with the front wheel cover. Then use 2 long screws to tighten.



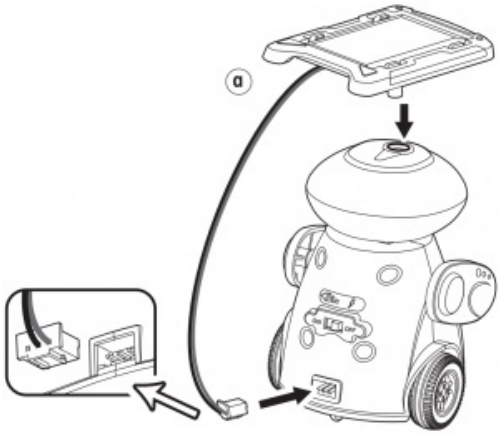
STEP 9:
Assemble the base with the main body.



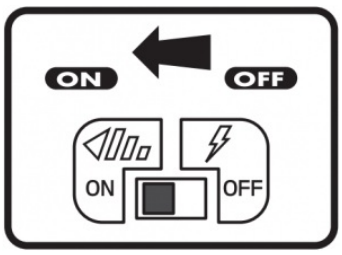
STEP 10:
Assemble the front cover with the main body. Use 4 long screws to lock.



STEP 11:
Insert the solar panel onto the body and insert the plug to the socket to finish the assembly.



How To Play

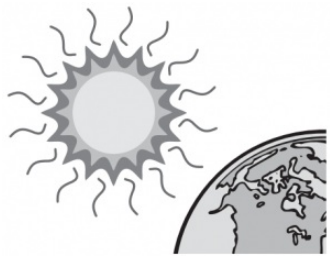


Now the set up of the eco-kit is finished. Switch to ON and put it under the sun to let it run! You can adjust the solar panel so that it faces the direction of the sun. The stronger the sunlight falling on the solar panel, the more powerful the eco-kit will go!
IMPORTANT NOTE: ***This eco-kit can not be charged but only direct play under the sunlight.***

Warning: You may use a 100W light bulb at about 5cm away from the solar panel for testing purposes. This way you can see how it will operate under ordinary sunlight. However this is for testing purposes for a short period of time only and not for normal use. Placing the light bulb close to the solar panel for long periods may melt the plastics or damage the solar panel under the large amount of heat. Warning: Overheating hazards. Do not touch the solar panel.

Educational Hints

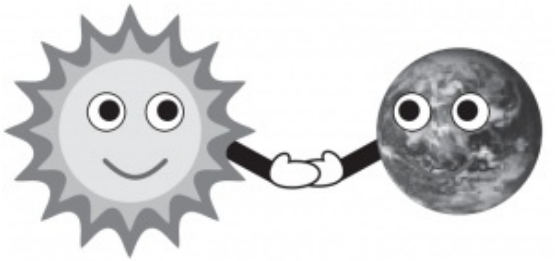
Solar energy



The sunlight we see everyday carries energy. If you stand under the sun for a while, you can feel the heat which is carried by sunlight. The sun shines and provides warmth and heat to us. It is also an energy provider to form wind, to support plant growth and to provide warm and hot temperatures. The energy from sunlight is called “solar energy” as a general term.

Why solar energy is said to be environmentally friendly?

As a power source, sunlight does not create pollutants. Solar energy comes from the sun and is an ever continuous power source. It will not exhaust and is therefore a kind of “renewable” energy. In generating electricity, unlike a traditional power plant, solar power is more environmentally friendly because it will not produce pollution. To produce electricity with solar energy, a solar panel is required:



Solar panel

A solar panel is a device which can convert sunlight to electricity. The key components are layers of semi-conductors to form a solar cell.
When light falls on a specific arrangement of semi-conducting material, some photons of sunlight will “kick” electrons to flow and form currents. Then electricity is created. This way light energy is converted ta electrical energy. Na pollutants are created in this process. As technology advances, different combinations of semi-conducting materials are created, which have different efficiency and costs. Therefore we can see more and more solar power products in our daily appliances. Some examples are:

Have you ever thought of the question that if using a solar power to generate electricity is that good, then why it has not been thrived everywhere?

The reason is that, solar cells are costly compared to the electricity that they can produce. The cost-effectiveness issue is a major concern for many places. Therefore people still stick to traditional power plants.
Maybe someday when technology advances, we can see lots of devices using solar energy!

PRODUCT MAY VARY SLIGHTIY FROM IMAGES SHOWN. PLEASE KEEP INSTRUCTION MANUAL FOR FUTURE REFERENCE.

WARNING: CONTAINS LEAD WITH FUNCTIONAL SHARP POINT.

WARNING: ***CHOKING HAZARD***
SMALL PARTS. NOT SUITABLE FOR CHILDREN UNDER 3 YEARS.

WARNING: FOR SAFETY REASONS, REMOVE ALL TAGS, LABELS AND PLASTIC FASTENERS BEFORE GIVING THIS TOY TO YOUR CHILD.

WARNING: HAIR ENTANGLEMENT MAY OCCUR IF THE CHILD'S HEAD IS TOO CLOSE TO THE MOTORISED UNIT OF THIS TOY. ADULT SUPERVISION AND ASSISTANCE IS REQUIRED.

FOR BEST RESULTS USE OUTSIDE IN DIRECT SUNLIGHT.
THIS PRODUCT WILL NOT WORK IN CLOUDY LOCATIONSS OR UNDER FWORESCENT LIGHTS.

If at any time in the future you should need to dispose of this product please note that waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice. (Waste Electrical and Electronic Equipment Directive)

MADE IN CHINA
FOR AU/ NZ: IMPORTED FOR KMART
STORES IN AUSTRALIA AND NEW ZEALAND.
FOR USA: IMPORTED BY ANKO RETAIL INC.
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LYNNWOOD WA 98036 USA.

Documents / Resources

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