

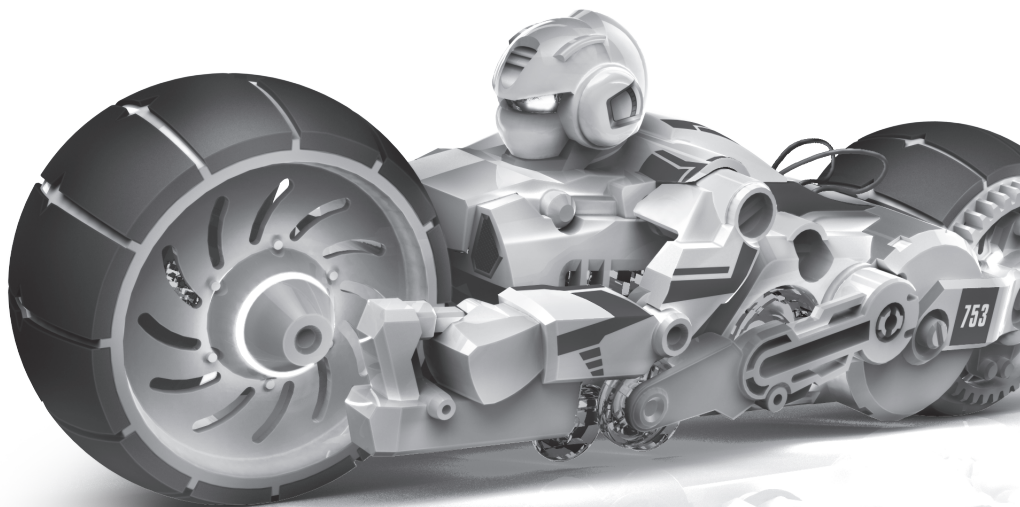
MOTORCYCLE WITH SALT WATER DRIVE

Construction kit

Art.No.: 71400

MANUAL

Assembly & Instruction



GREEN ENERGY 



ATTENTION



- Possibility of injury due to sharp corners and edges!
- Keep the address of the company - Not suitable for children under 3 years! - Contains small parts!

10+



MADE IN TAIWAN

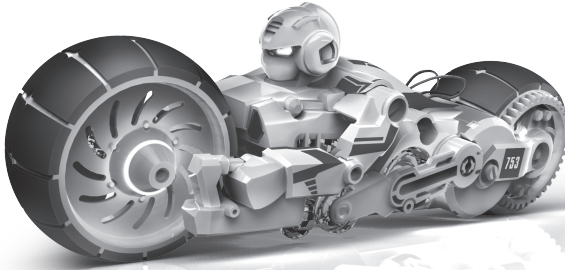
CONTENTS

Tools You May Need	P.1
Mechanical Parts List	P.1
Plastic Parts	P.3
Mechanical Assembly	P.4
How It Works	P.17
How To Play	P.21
Trouble Shooting	P.25

MOTORCYCLE WITH SALT WATER DRIVE

Construction kit

Art.No.: 71400



The Salt Water Fuel Cell Motorcycle is equipped with cams and swing arms, the multiple variations allows for full throttle excitement: powerful Straight runs, Right or Left circling, and radical "S" turns. Children will be awed by the remarkable simplicity and effectiveness of the toy.

After activating the fuel cell module with a saltwater mixture, the magnesium metal sheet can operate the motorcycle for about 3 hours continuously.

Environmentally safe, non-toxic, and clean. The Salt Water Fuel Cell Motorcycle is the smallest, cheapest and the first motorcycle to be powered by saltwater.

Your child is just a few drops of salt water away from discovering the magic of this new form of clean energy !

Tools You May Need



Cup



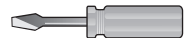
Salt



Stick

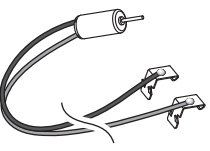




Diagonal Cutter



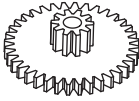
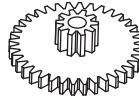
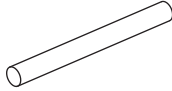
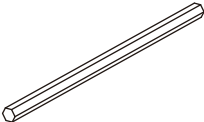
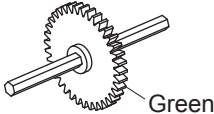
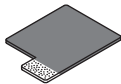
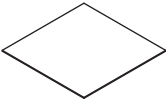
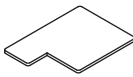
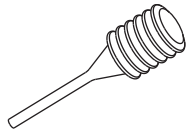
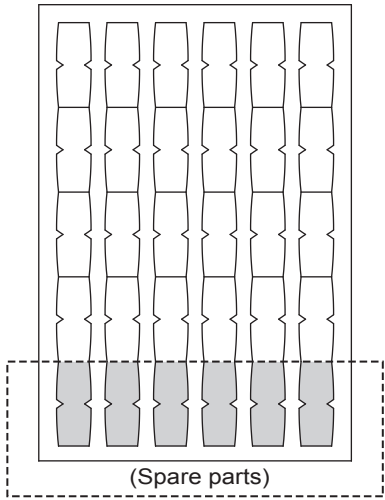
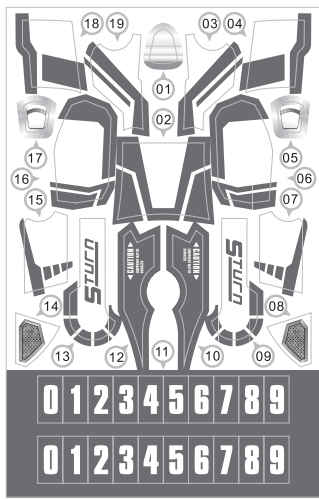
⊖ Screwdriver

Mechanical Parts List

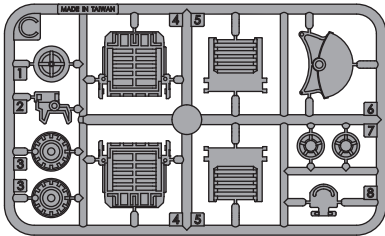
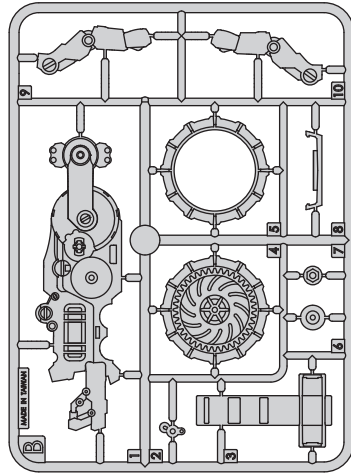
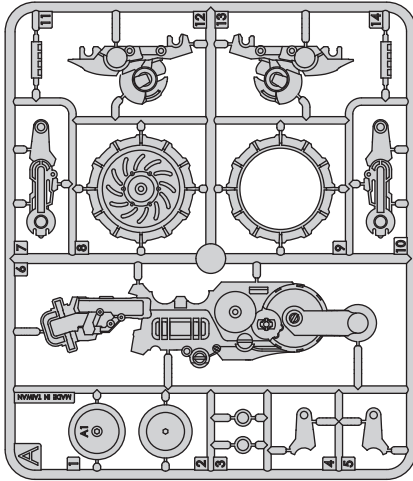
P1	Motor With Connectors	P2	Connectors	P3	Pinion Gear (yellow)
	QTY		QTY		QTY
	1		1		1



Don't connect the wires to the mains.
Product contains functional edges and sharp points.

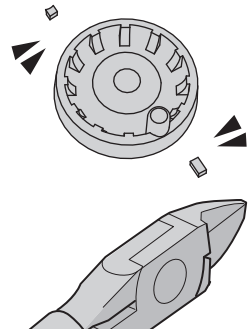
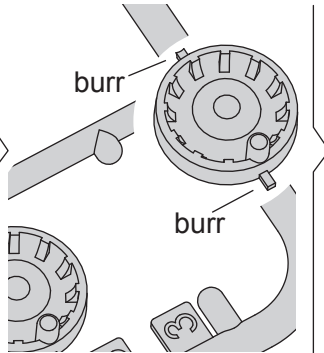
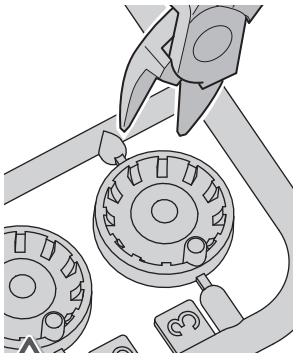
P4	Gear(Blue)		<table border="1"> <tr><td>QTY</td></tr> <tr><td>1</td></tr> </table>	QTY	1
QTY					
1					
P5	Gear(Orange)		<table border="1"> <tr><td>QTY</td></tr> <tr><td>3</td></tr> </table>	QTY	3
QTY					
3					
P6	Round Shaft		<table border="1"> <tr><td>QTY</td></tr> <tr><td>5</td></tr> </table>	QTY	5
QTY					
5					
P7	Hex Shaft		<table border="1"> <tr><td>QTY</td></tr> <tr><td>1</td></tr> </table>	QTY	1
QTY					
1					
P8	Gear With Shaft		<table border="1"> <tr><td>QTY</td></tr> <tr><td>1</td></tr> </table>	QTY	1
QTY					
1					
P9	Air Cathode(Black)		<table border="1"> <tr><td>QTY</td></tr> <tr><td>2</td></tr> </table>	QTY	2
QTY					
2					
P10	Nonwoven Fabric	 <p>(Spare parts:2pcs)</p>	<table border="1"> <tr><td>QTY</td></tr> <tr><td>2</td></tr> </table>	QTY	2
QTY					
2					
P11	Magnesium Sheet	 <p>(Spare parts:4pcs)</p>	<table border="1"> <tr><td>QTY</td></tr> <tr><td>2</td></tr> </table>	QTY	2
QTY					
2					
P12	Plastic Dropper		<table border="1"> <tr><td>QTY</td></tr> <tr><td>1</td></tr> </table>	QTY	1
QTY					
1					
P13	Sponge	 <p>(Spare parts)</p>	<table border="1"> <tr><td>QTY</td></tr> <tr><td>1</td></tr> </table>	QTY	1
QTY					
1					
P14	Sticker		<table border="1"> <tr><td>QTY</td></tr> <tr><td>1</td></tr> </table>	QTY	1
QTY					
1					

Plastic Parts



Cut the plastic parts when they are required. Do not cut them in advance.

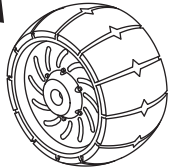
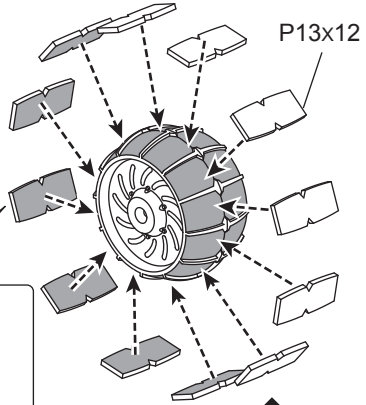
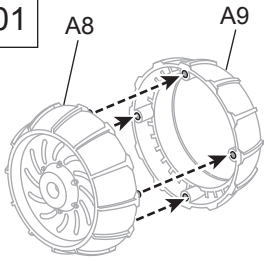
Hints



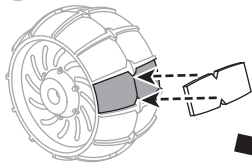
Cut off the burrs before assembly.

Mechanical Assembly

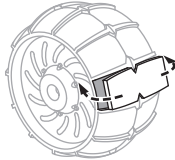
01



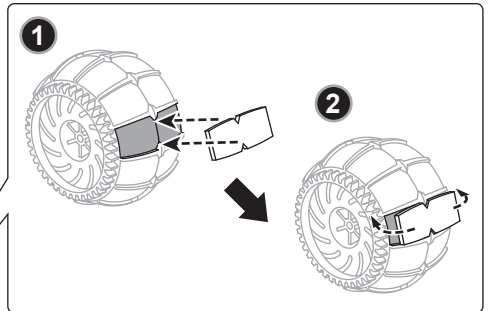
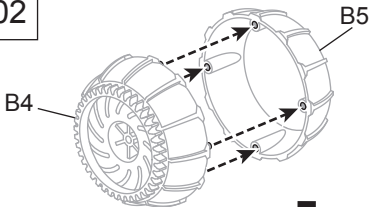
1



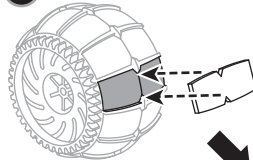
2



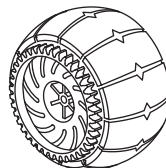
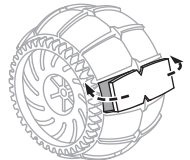
02

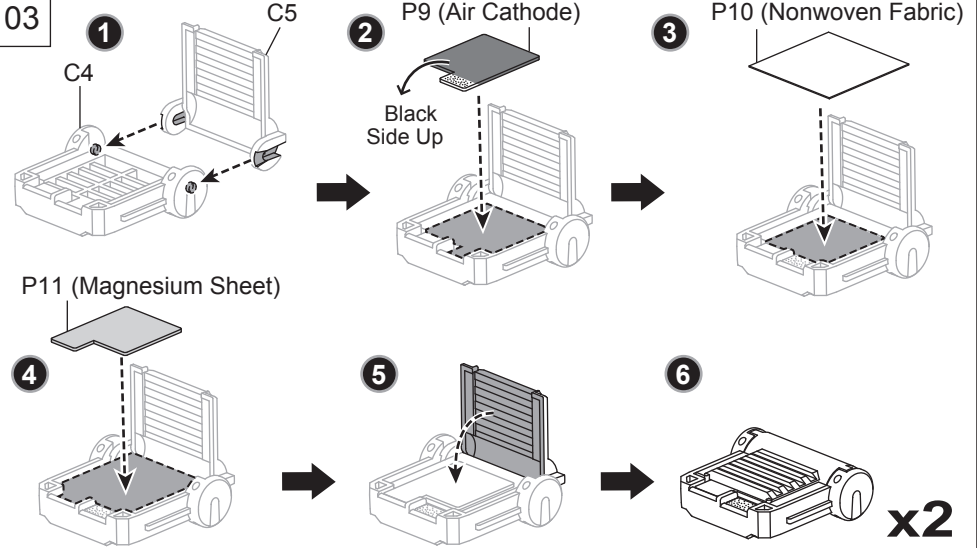


1

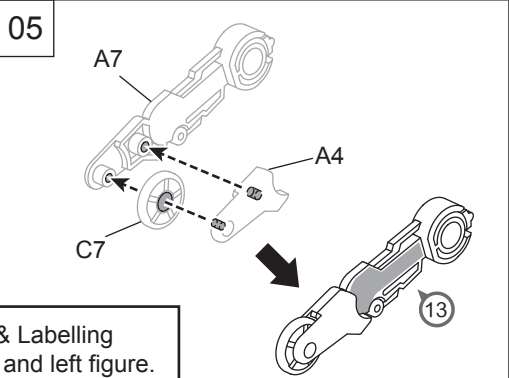
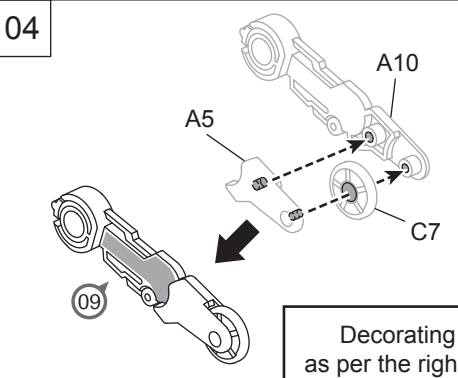


2

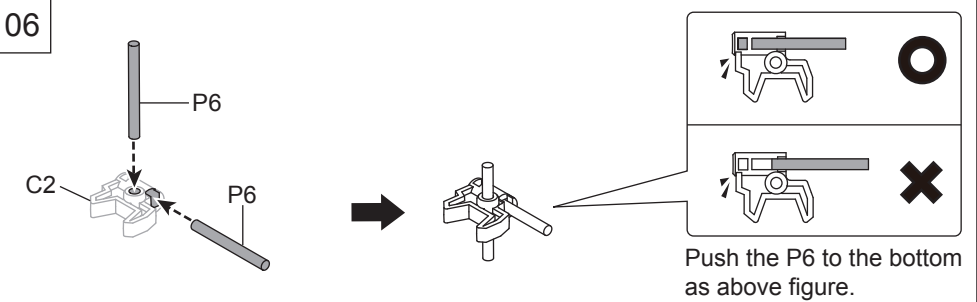




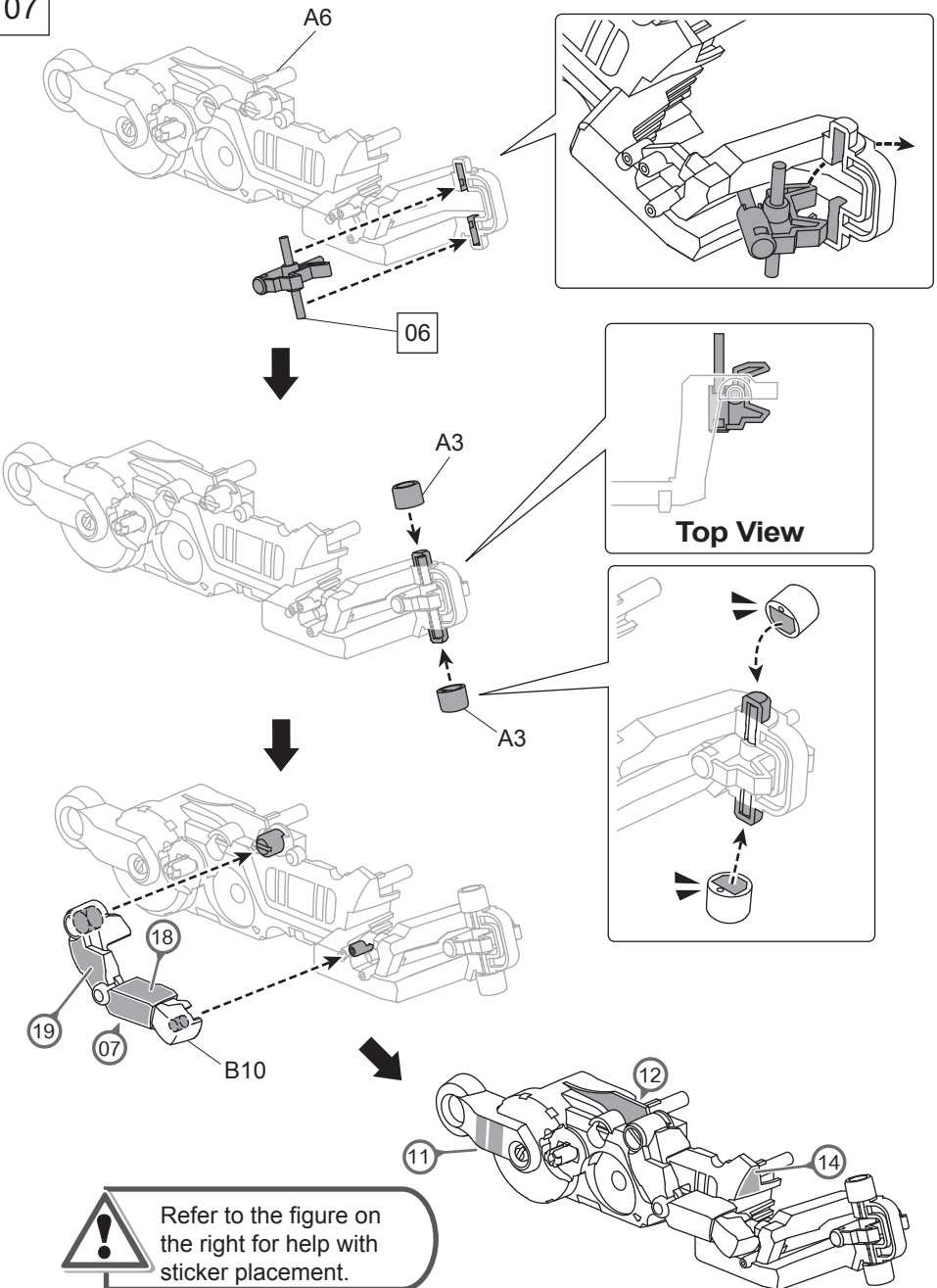
! Make sure the P9,P10,P11 placed in correct sequence and position.



Decorating & Labelling as per the right and left figure.

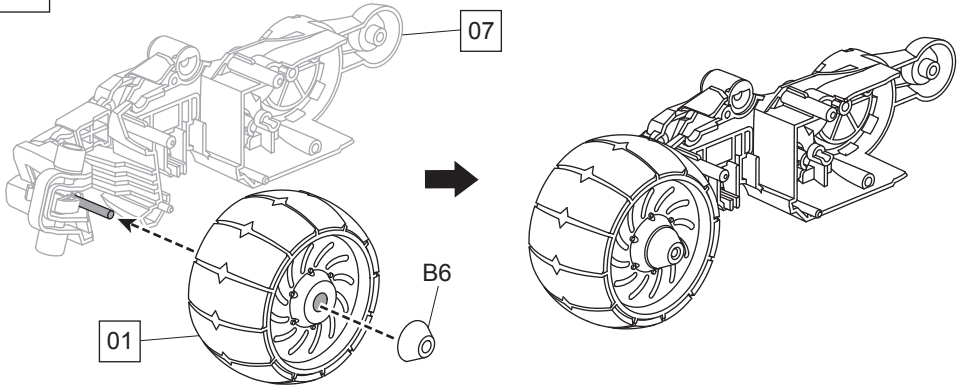


07

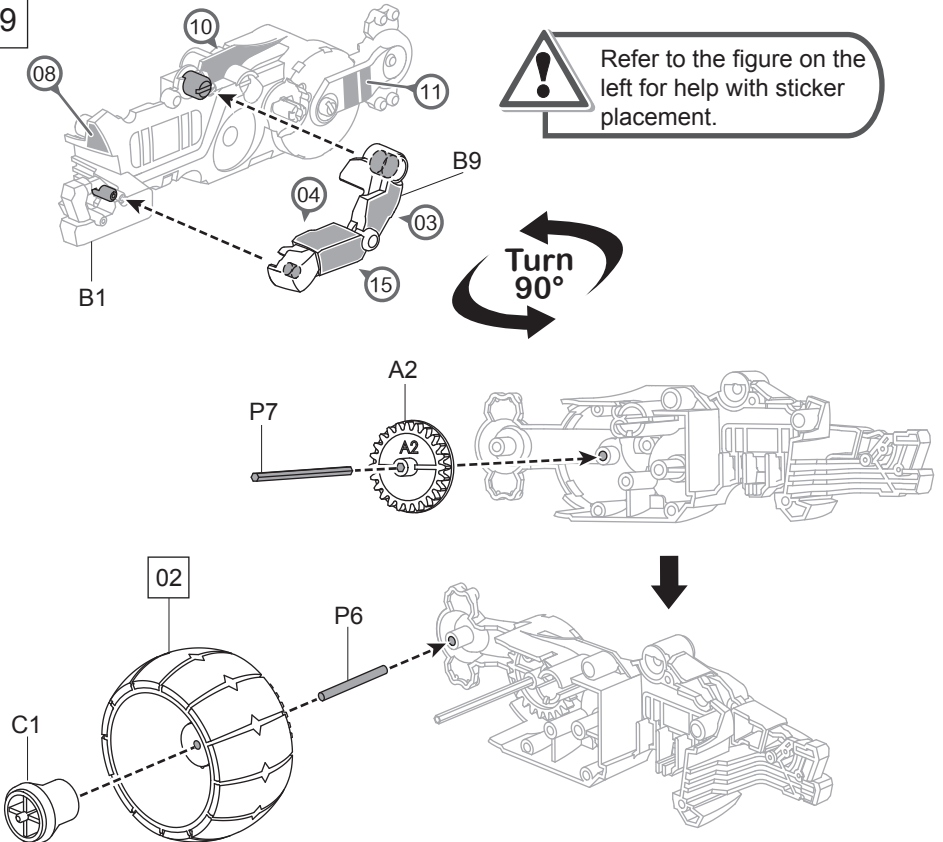


Refer to the figure on the right for help with sticker placement.

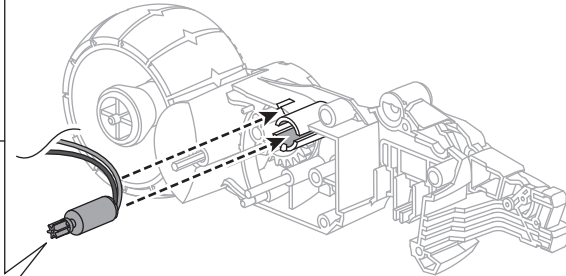
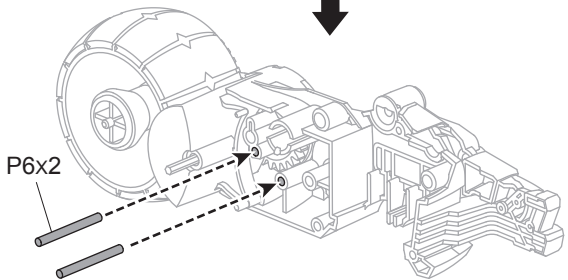
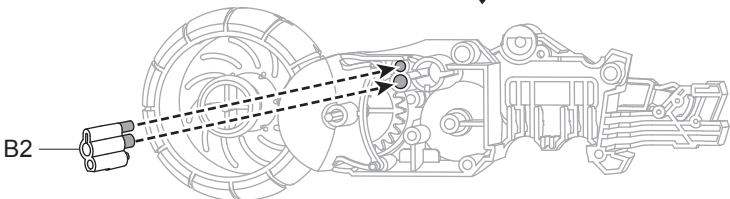
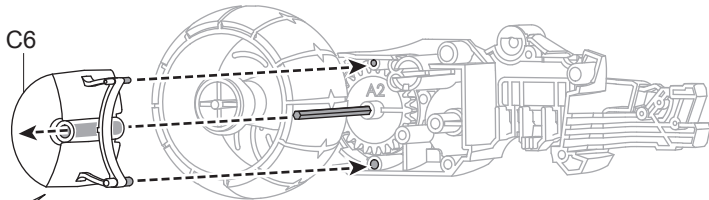
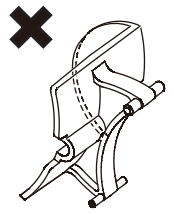
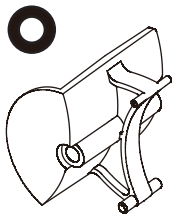
08




09



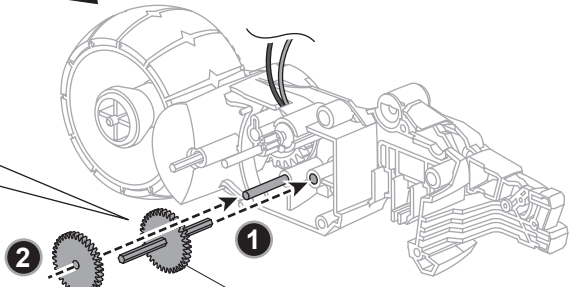
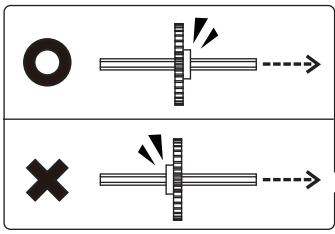
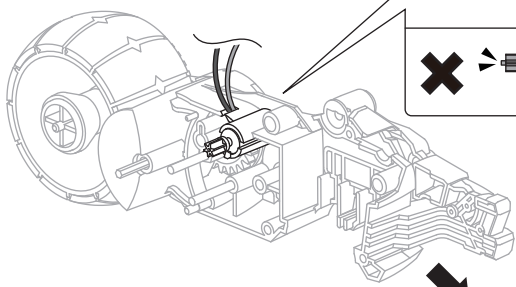
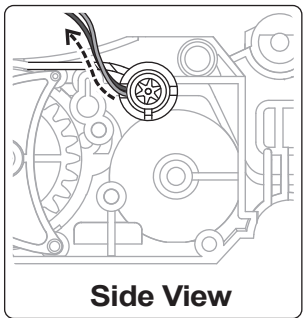
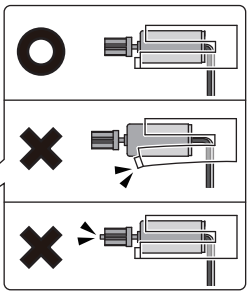
10



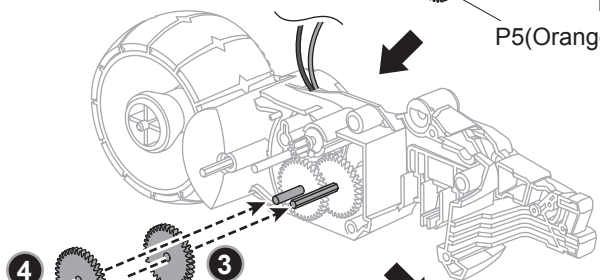
 Don't pull off the wires !

P1

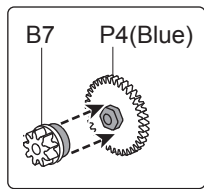
P3



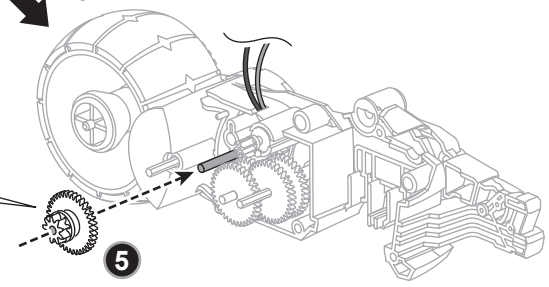
P8(Green)
P5(Orange)

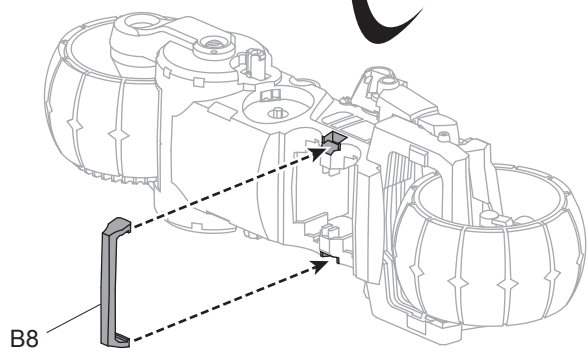
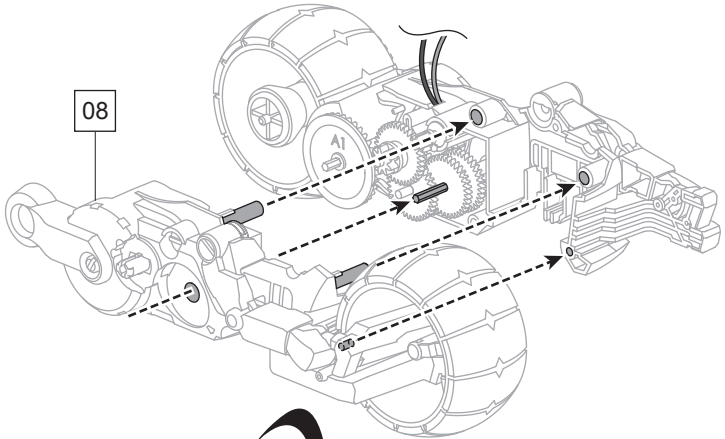
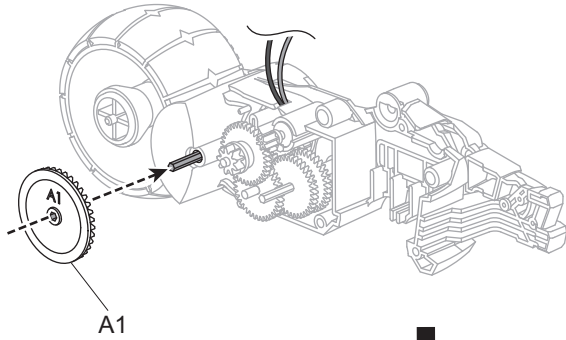


P5(Orange)x2



B7 P4(Blue)

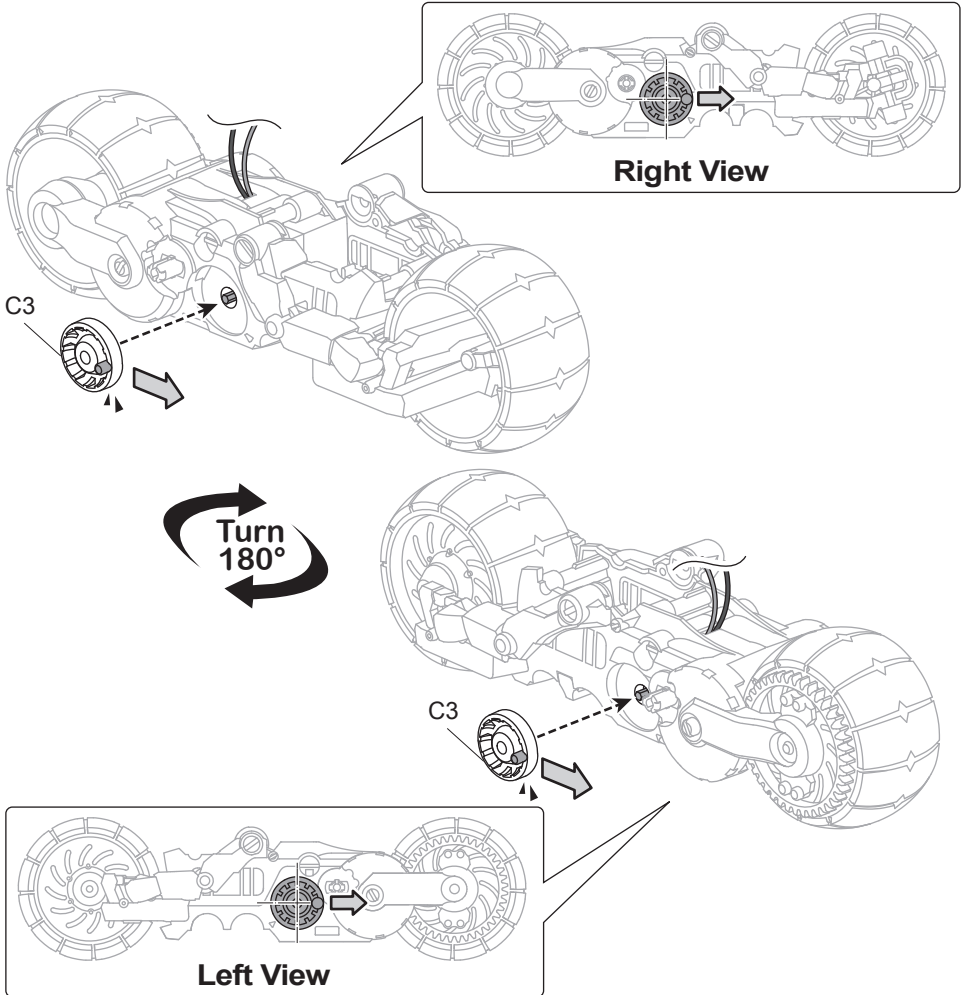
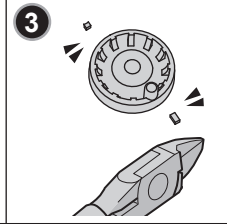
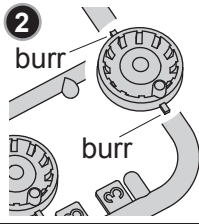
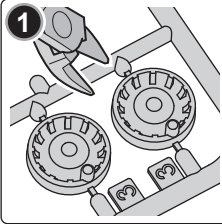




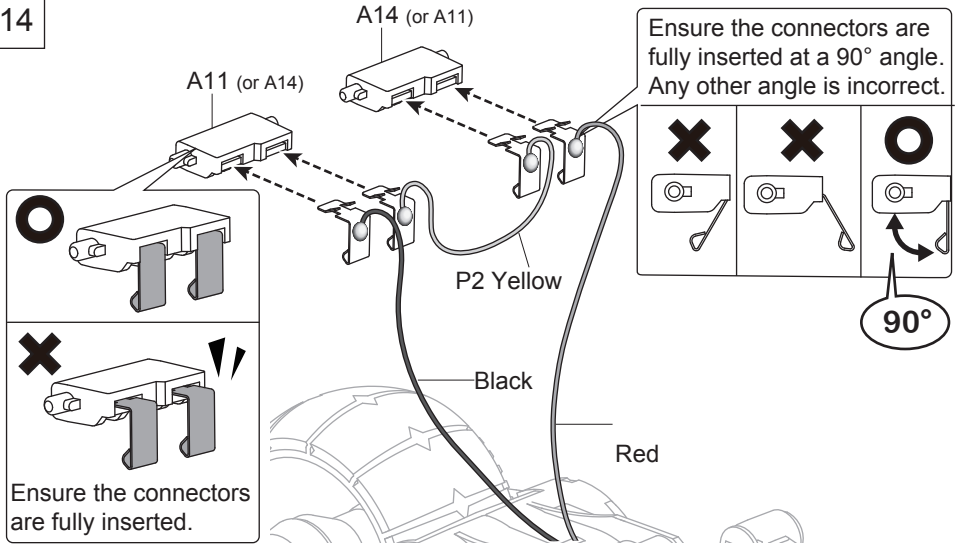
13



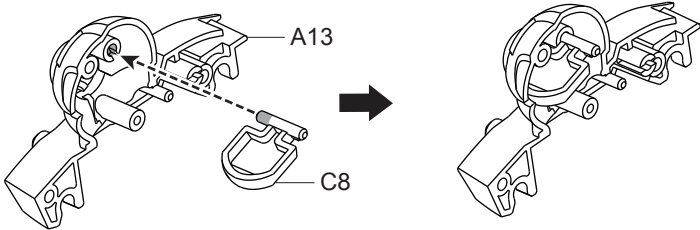
Cut off the burrs of C3 before assembly.



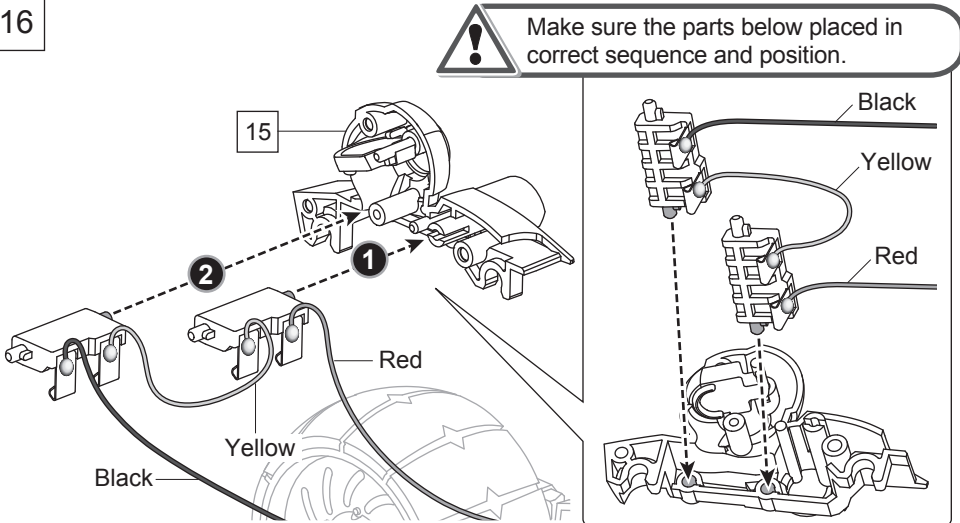
14



15

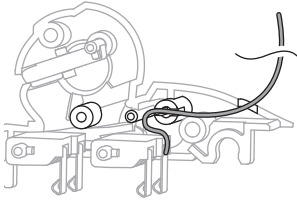


16

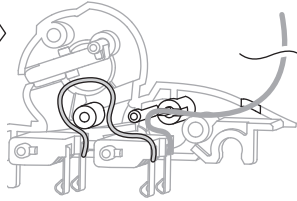


Routing the wires as below.

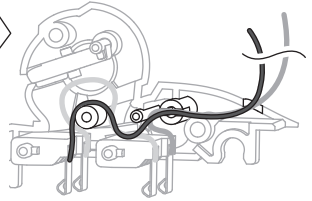
Red wire



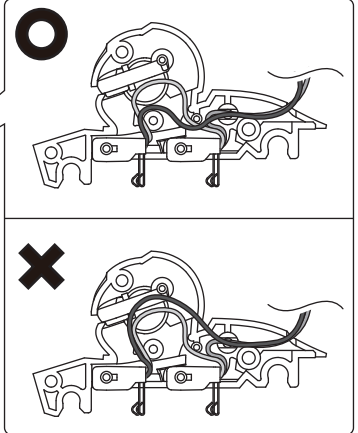
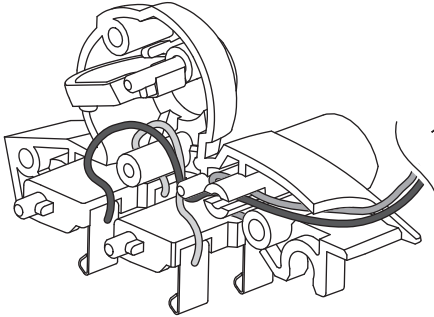
Yellow wire



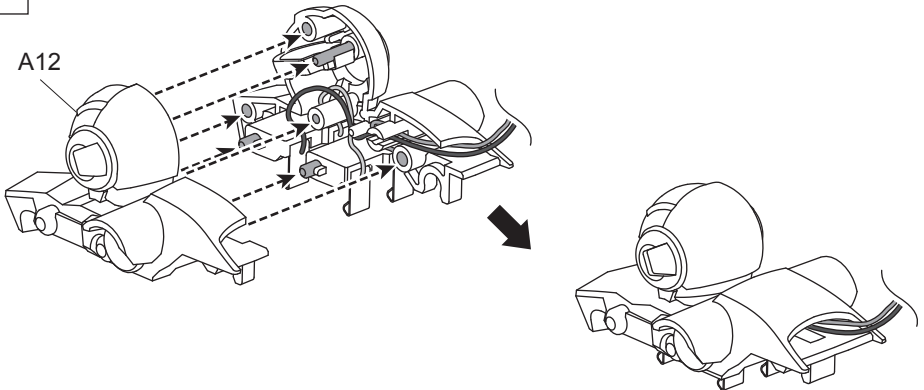
Black wire



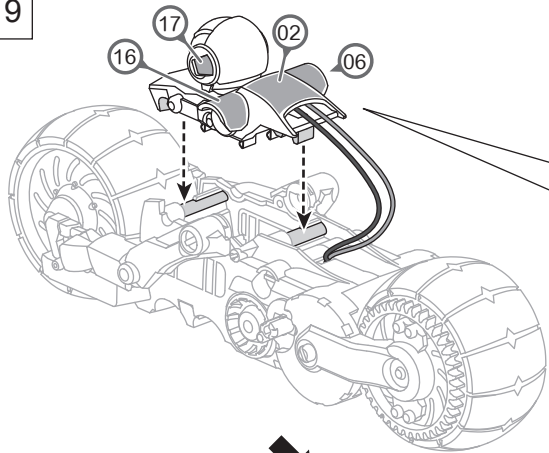
17




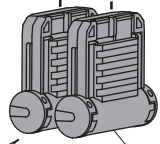
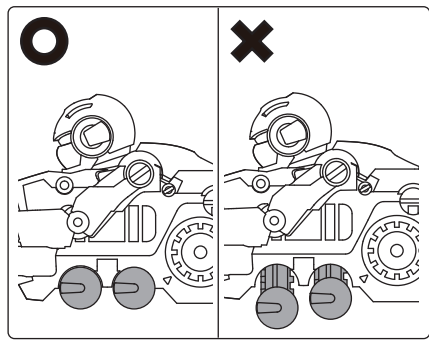
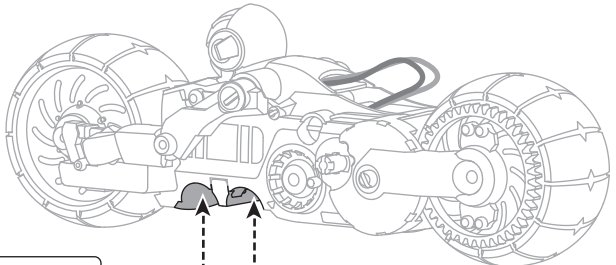
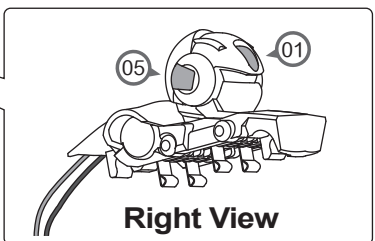
18



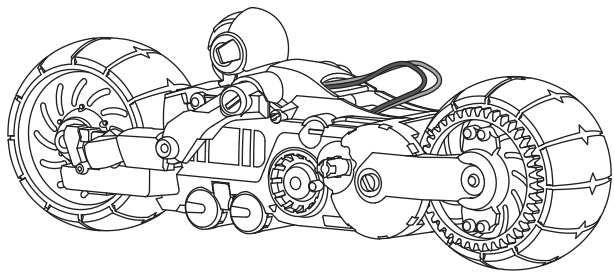
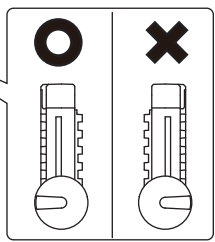
19



 Decorating & Labelling
as per the left figure.

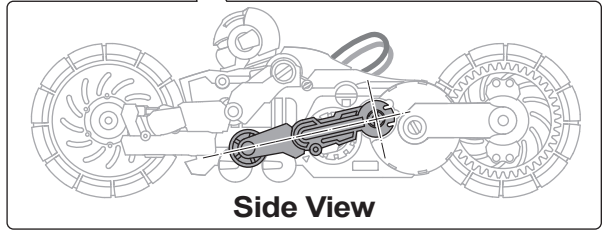
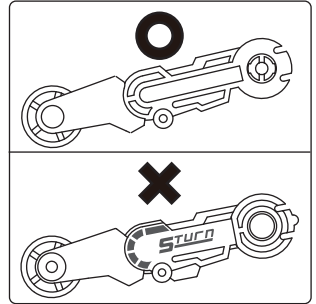
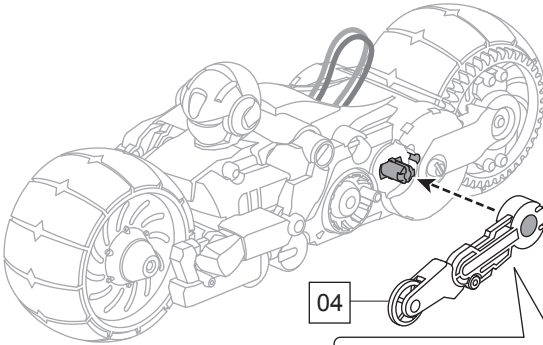


03 x2



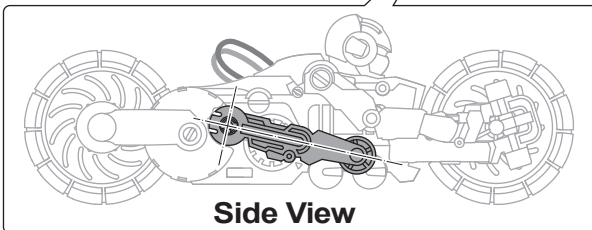
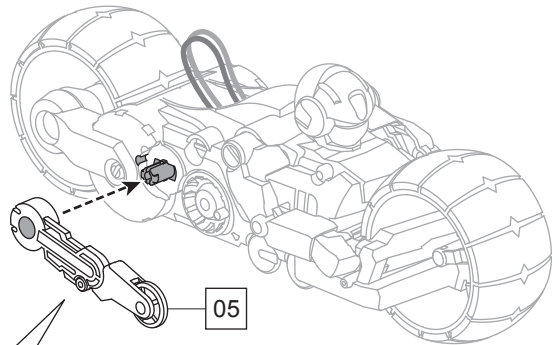
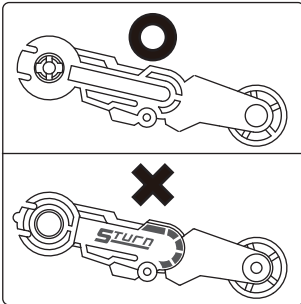
20

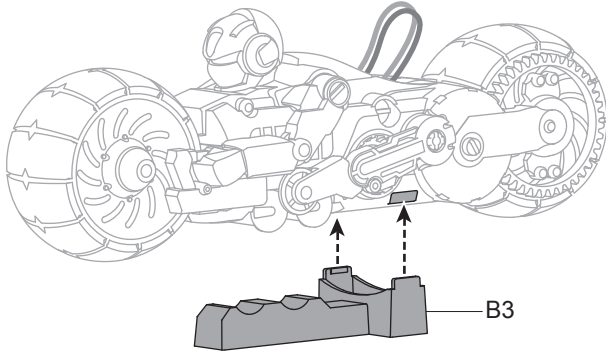
Left Side Assembly



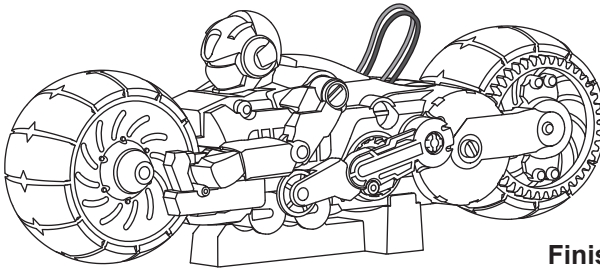
21

Right Side Assembly

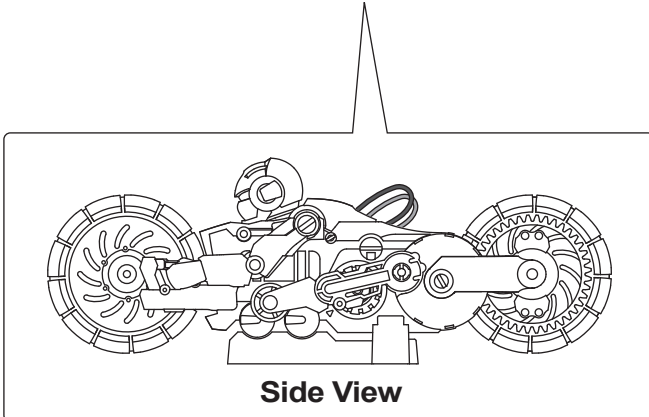




(Stand B3 for parking your motorcycle purpose.)



Finished product!



Side View

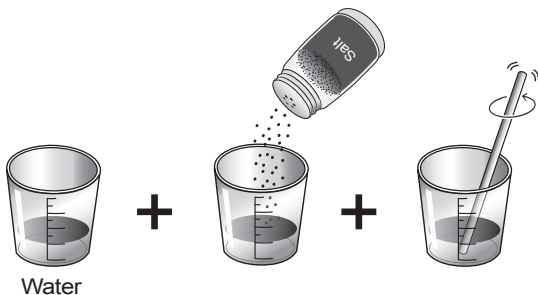
How It Works

- After a period of time the salt water will be exhausted (about 20 minutes), the motorcycle will begin to get slower or stop. Add a few more drops of salt water to start it again (as in fig 3).
- Each Magnesium sheet can work for 3 hours continuously, then it will become fragmented. Replace the sheet with a new one to energize the motorcycle. The kit includes 4 refills.
- All materials used in this kit are environmentally safe and clean, no toxic substances or disposal concerns.



Please pay full attention to the below mentioned before use!

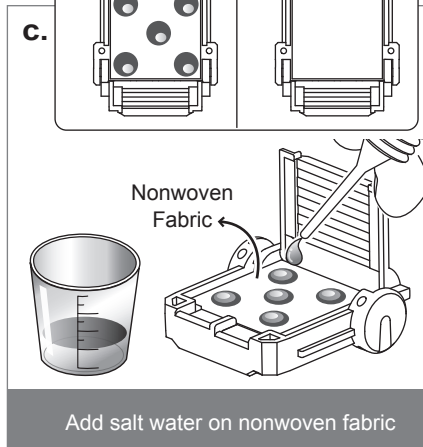
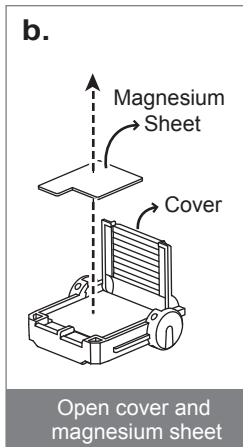
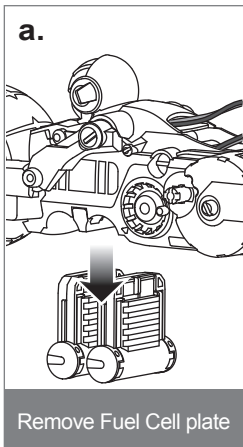
- 1 How to make salt water solution:** Add salt to tap water or distilled water at ratio of **1(salt) : 5(water)**. Any percentage ratio from 20% to 99% salt water is workable although the 20% will be the most efficient.



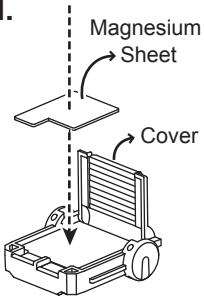
Do not add salt water outside nonwoven fabric as shown below.



- 2 How to fill the motorcycle with salt water:**

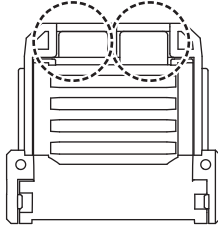


d.



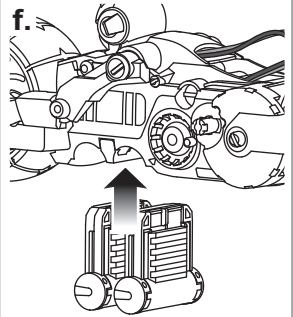
Reassemble cover and magnesium sheet

e.



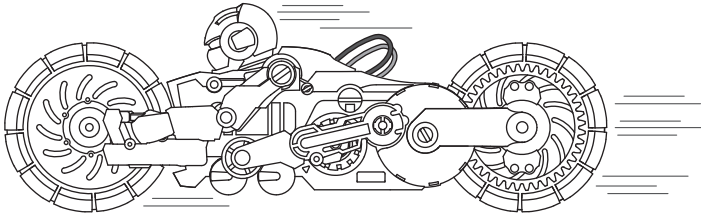
Make sure the polarity of the connector dry without salt water

f.



Insert Fuel Cell plate

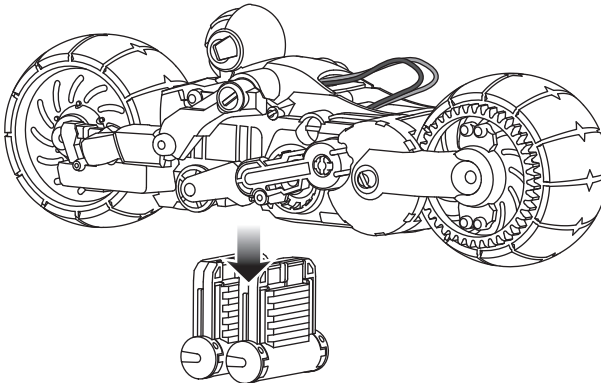
g.



Run your motorcycle now

3 **How to refill the salt water** : When the motorcycle starts getting slower or stops, reapply a few drops of salt water with the applicator into the position as shown **2 C**. And scratch oxide from the battery connectors and also magnesium sheet by slotted screwdriver before reuse. See below figures:

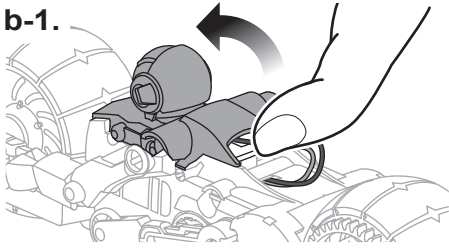
a.



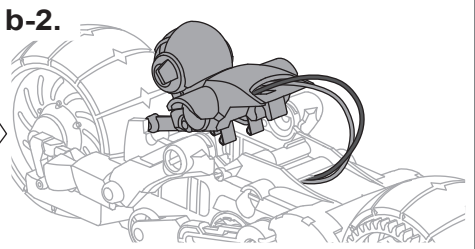
Remove Fuel Cell plate from the motorcycle

Take off the motorcyclist as below steps

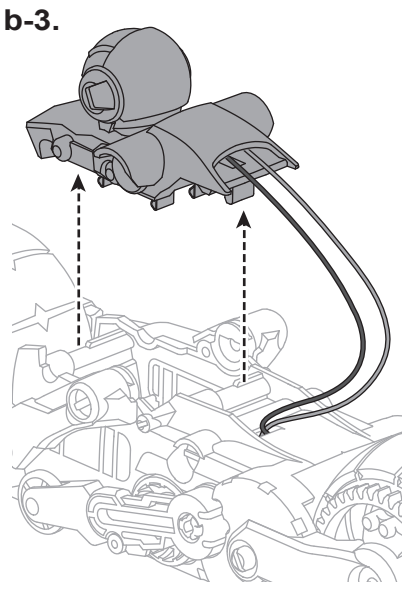
b-1.



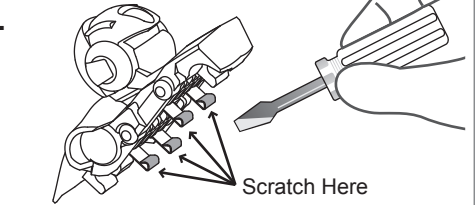
b-2.



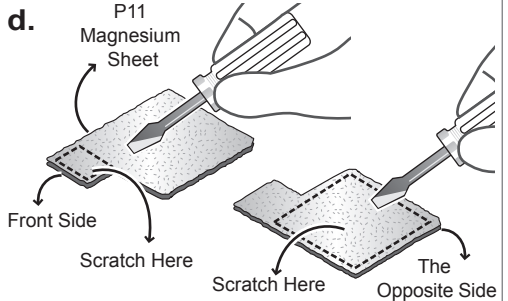
b-3.



c.

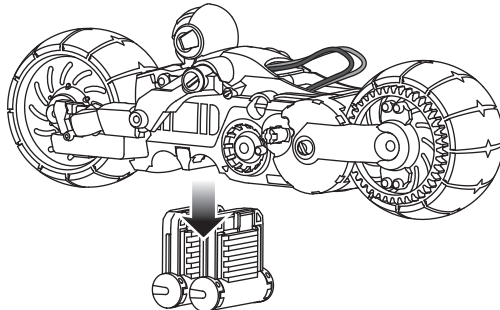


d.



Scratch the oxidization of the battery connectors and Magnesium Sheet

4 How to stop the motorcycle : Remove Fuel Cell plate to stop your motorcycle as shown below:

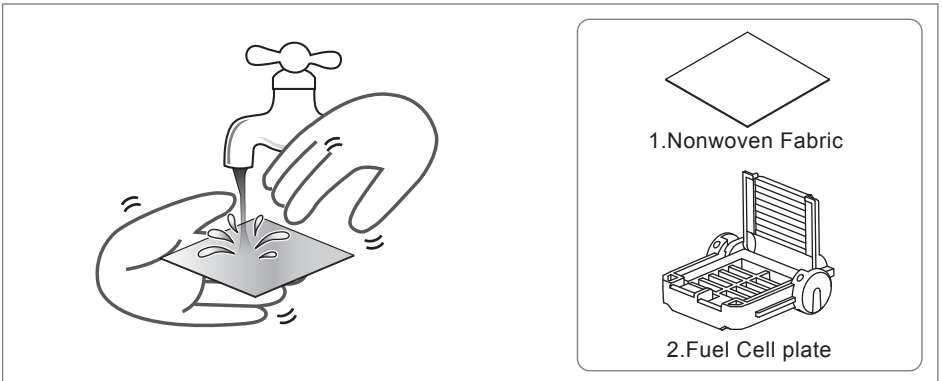


5 How to maintain Fuel Cell plate : It is necessary to clean Fuel Cell plate every time when not in use.

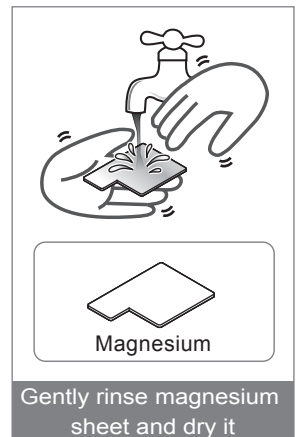
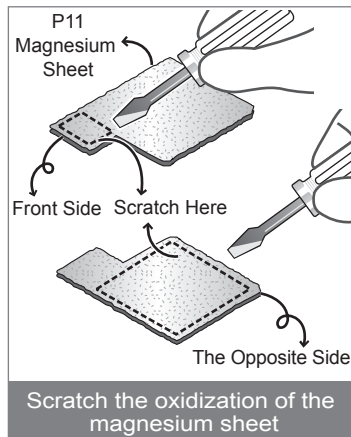
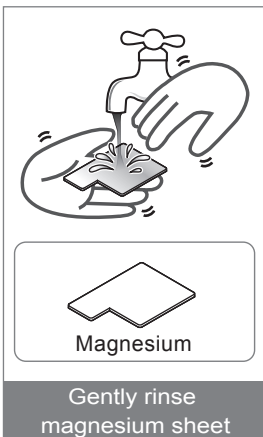
5-1 Gently rinse air cathode under tap water, don't hand rub the surface to ensure the quality of air cathode.



5-2 Flush the parts shown below and hand rub the surface. Make sure that there is no salt residue. Dry all parts separately.



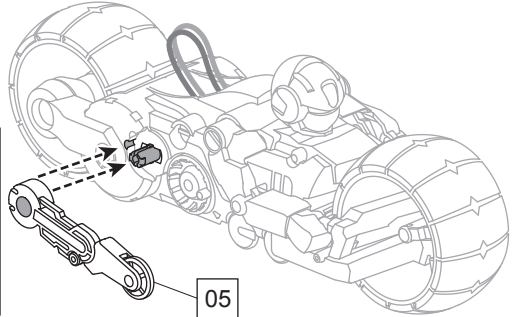
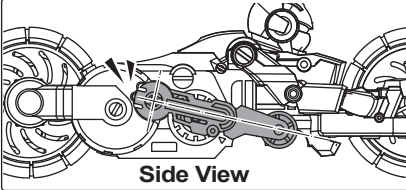
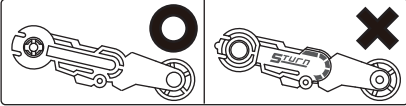
5-3 Flush and scratch the oxidation of the magnesium sheet as shown below:



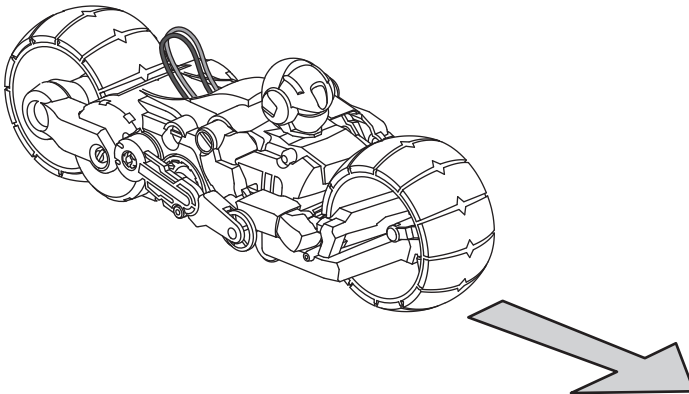
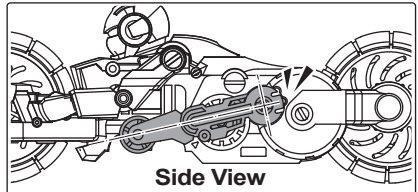
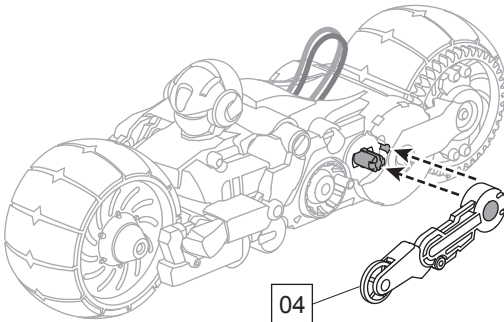
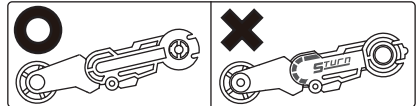
How To Play

Straight Run

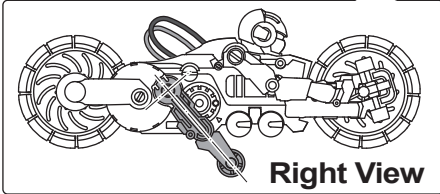
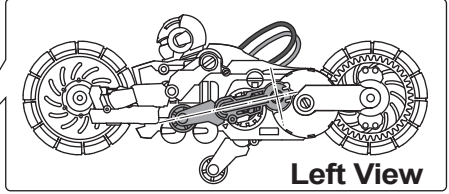
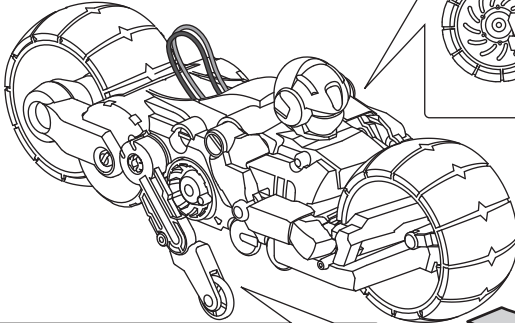
Right Side Assembly



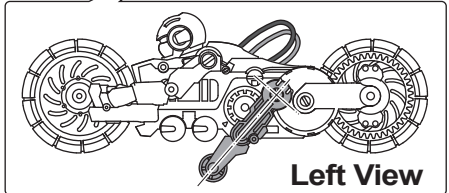
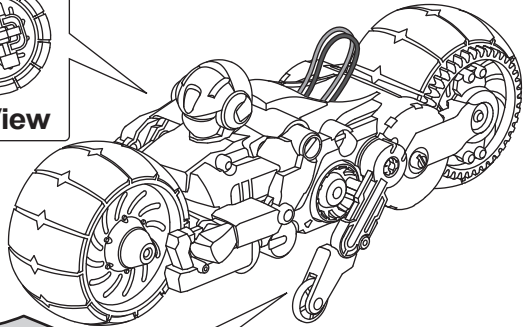
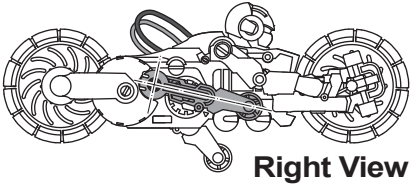
Left Side Assembly



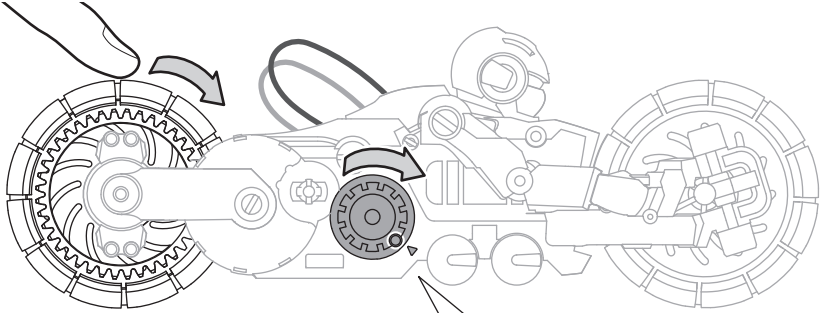
Left Circling



Right Circling

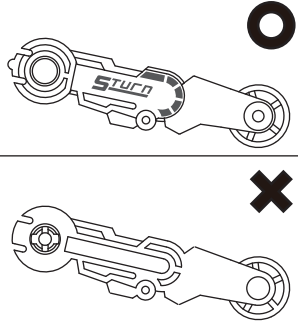
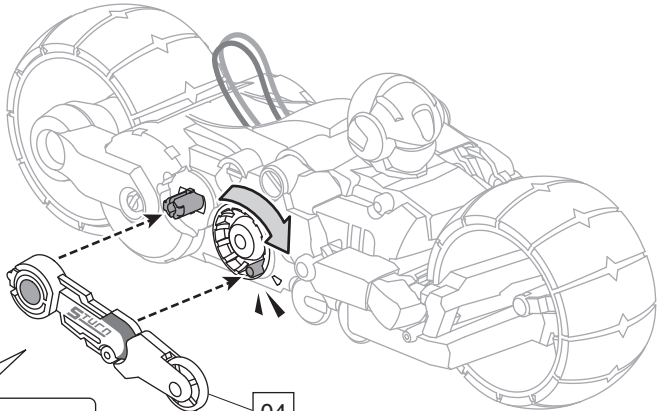


“ S ” Turn

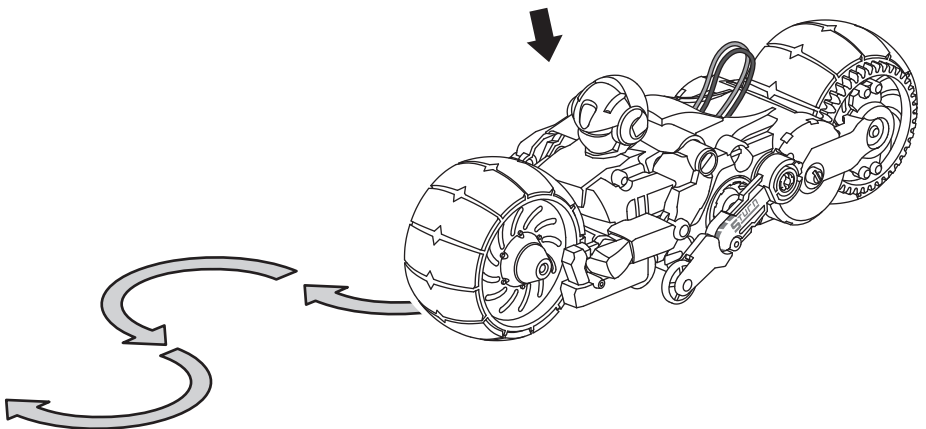
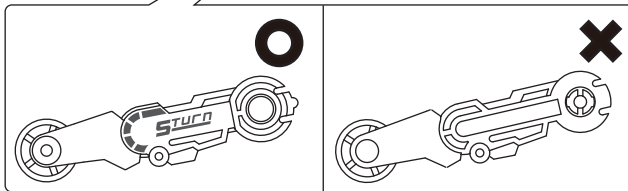
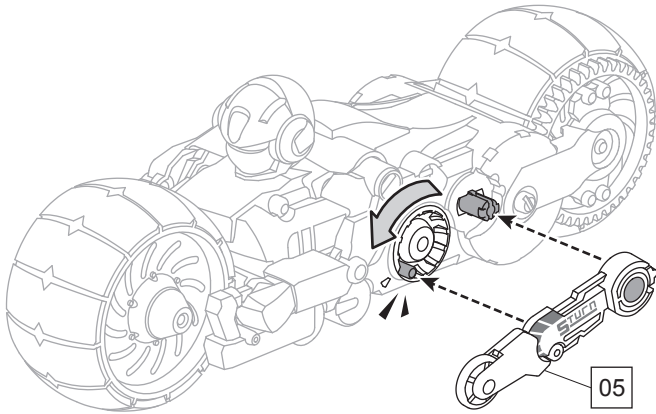


Rotating the rear wheel by finger until marking “▲” points to the lug of the cam on the both sides accordingly.

Right Side Assembly



Left Side Assembly



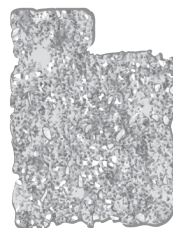
Trouble Shooting

Check the steps below if your Motorcycle doesn't move after adding salt water.

- 1 Make sure motor and gears are installed in right position.
- 2 Make sure each connector must be set in right position (Ref: 14)
- 3 Make sure cut off the burrs of C3 before assembly.(Ref: 13)
- 4 Make sure Fuel Cell plate is inserted entirely. (Ref: 17)
- 5 Replace a new magnesium sheet if it is eroded as shown below.

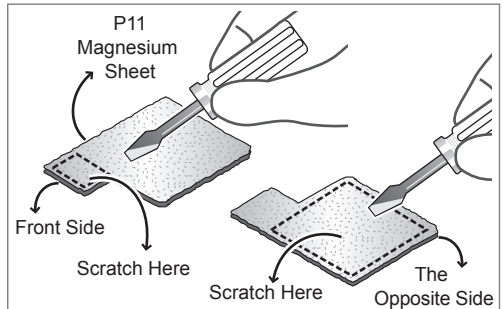
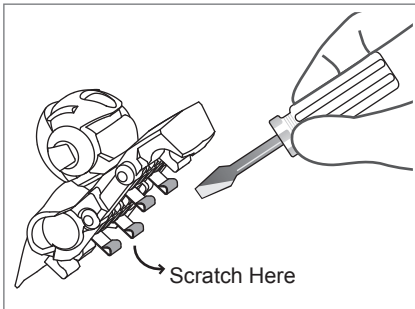


(New)



(Need to replace)

- 6 Make sure that the Fuel Cell plate is placed in the correct sequence and position: air cathode — nonwoven fabric — magnesium sheet. (Ref: Page 5 03)
- 7 Make sure the air cathode black side is facing up. (Ref: Page 5 03)
- 8 Nonwoven fabric is also used to isolate air cathode and magnesium sheet, make sure the 2 parts do not come into contact each other or it may cause short circuit. (Ref: Page 5 03)
- 9 Salt water will easily cause oxidization, scratch oxide from the battery connectors and also magnesium sheet by slotted screwdriver before reuse. See below figures:





Copyright © 2014 CIC. All rights reserved

4350007531