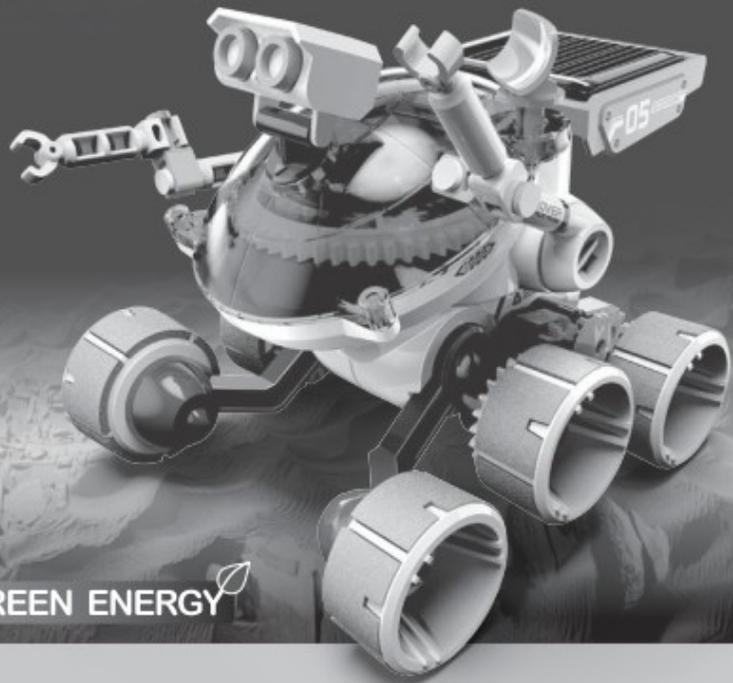


# SOLAR ROVER



GREEN ENERGY 

## Assembly & Instruction Manual

### Manual de Instruções & Montagem

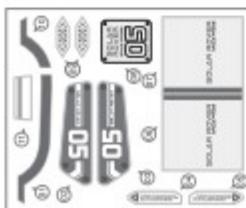
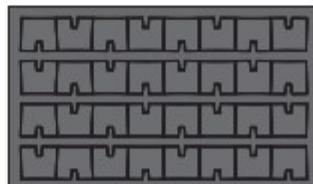
Disponível em Inglês - Holandês - Francês - Alemão - Espanhol - Polaco -  
Português em [www.velleman.eu](http://www.velleman.eu)

# SOLAR ROVER

This is an all-terrain Solar vehicle, equipped with 6-Wheel mechanical Suspension and 4-wheel drive system, this super Rover conquers and goes beyond boundaries.

Additionally, fantastic Planetary gears transmission system and adjustable robotic arms to add more interesting and fun for children to play and learn.

The Sun, The Rover, go your adventure Journey.

Tool You May Need		Mechanical Parts List	
 <p>Diagonal Cutter</p>		<p><b>!</b> Product contains functional edges and sharp points.</p>	
<p><b>P1</b> Solar Panel With Motor</p>  <p><b>!</b> Don't connect the wires to the mains.</p>		<p>QTY</p> <p>1</p>	
<p><b>P2</b> Gear(Yellow)</p> 	<p>QTY</p> <p>1</p>	<p><b>P3</b> Gear(Orange)</p> 	<p>QTY</p> <p>4</p>
<p><b>P4</b> Gear(Red)</p> 	<p>QTY</p> <p>1</p>	<p><b>P5</b> Sponge</p> 	<p>QTY</p> <p>2</p>
<p><b>P6</b> Hex Shaft</p> 	<p>QTY</p> <p>1</p>	<p><b>P7</b> Round Shaft (Short)</p>  <p>(2x16mm)</p>	<p>QTY</p> <p>1</p>
<p><b>P8</b> Round Shaft (Medium)</p>  <p>(2x23mm)</p>	<p>QTY</p> <p>2</p>	<p><b>P9</b> Round Shaft (Long)</p>  <p>(2x26mm)</p>	<p>QTY</p> <p>1</p>
<p><b>P10</b> Sticker</p> 		<p><b>P11</b> Sponge</p> 	
<p>QTY</p> <p>1</p>		<p>QTY</p> <p>1</p>	

# TODO-O-TERRENO SOLAR

Este é um veículo Solar todo-o-terreno, equipado com suspensão mecânica de 6 rodas e sistema de tração às quatro rodas; este super Rover conquista e vai além dos limites.

Além de tudo isto, ainda o fantástico sistema de transmissão de engrenagens planetárias e braços robotizados ajustáveis para o tornar mais interessante e divertido, para as crianças poderem brincar e aprender.

O Sol, o Rover, parta já para a Aventura

## Ferramentas Que Pode Necessitar

Cortador Diagonal

Engrenagem (Amarela)

Engrenagem (Laranja)

Engrenagem (Vermelha)

Espunja

Eixo Hexagonal

Eixo Redondo (Curto)

Eixo Redondo (Médio)

Eixo Redondo (Longo)

Adesivo

Espunja

## Lista das Peças Mecânicas

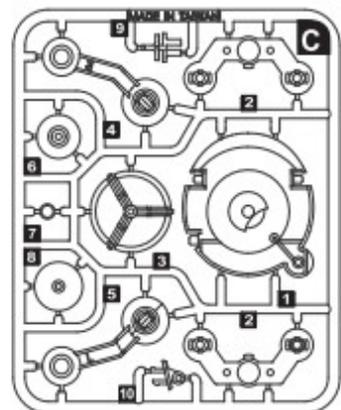
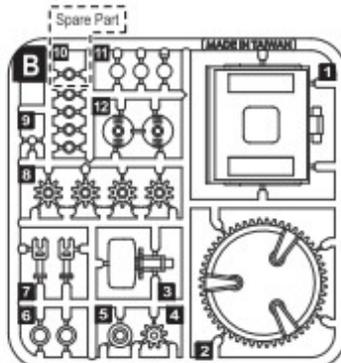
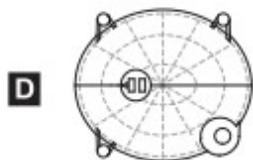
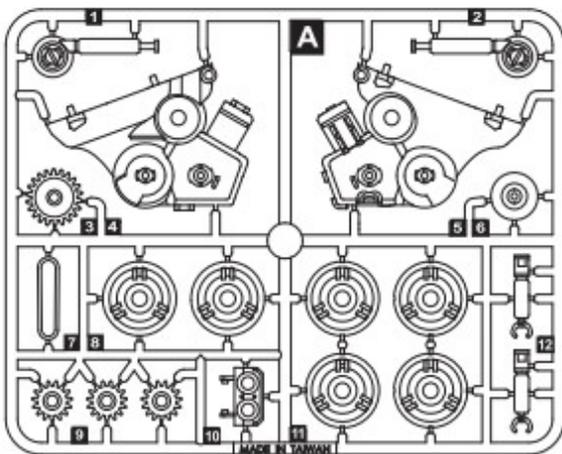
O produto tem arestas funcionais e pontos afiados.

### Painel Solar Com Motor

Não ligue os fios à tomada de corrente elétrica.

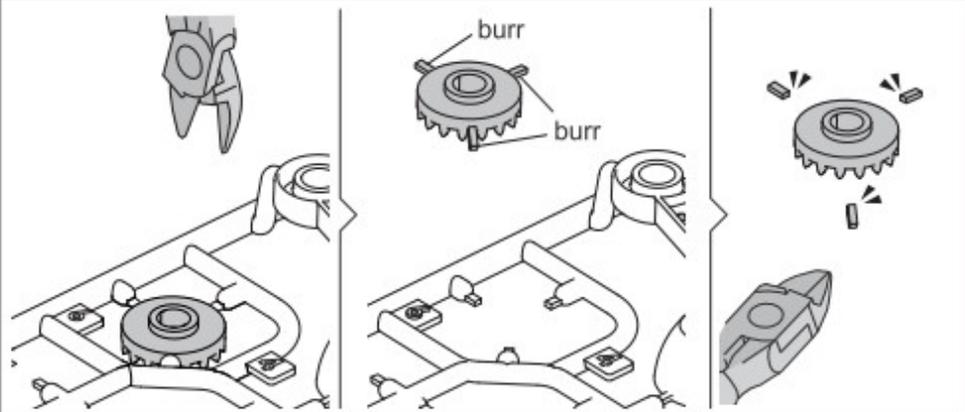
## Plastic Parts

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



## Hints

Cut off the burrs before assembly.



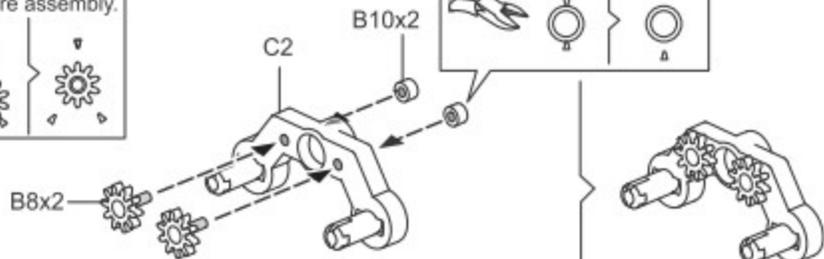
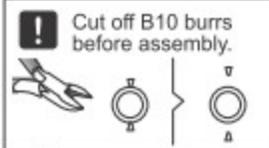
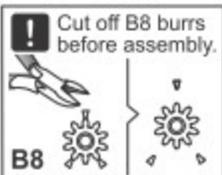
## Peças Plásticas

Corte as peças em plástico quando for recomendado. Não as corte antecipadamente.

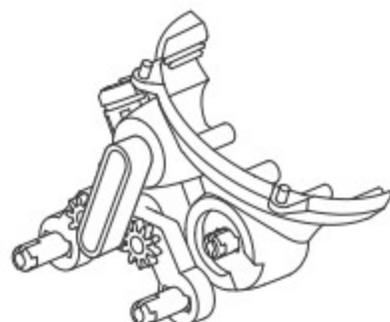
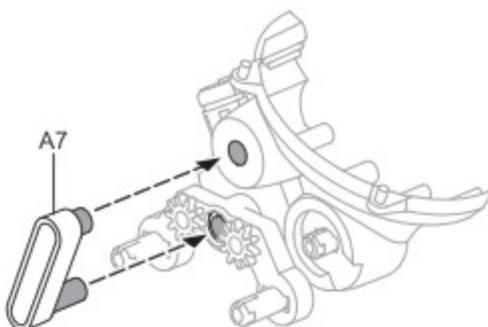
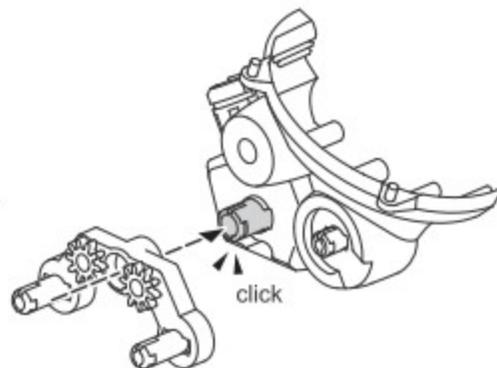
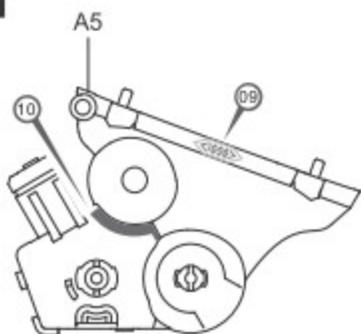
Cortar as rebarbas antes da montagem.

## Mechanical Assembly

1

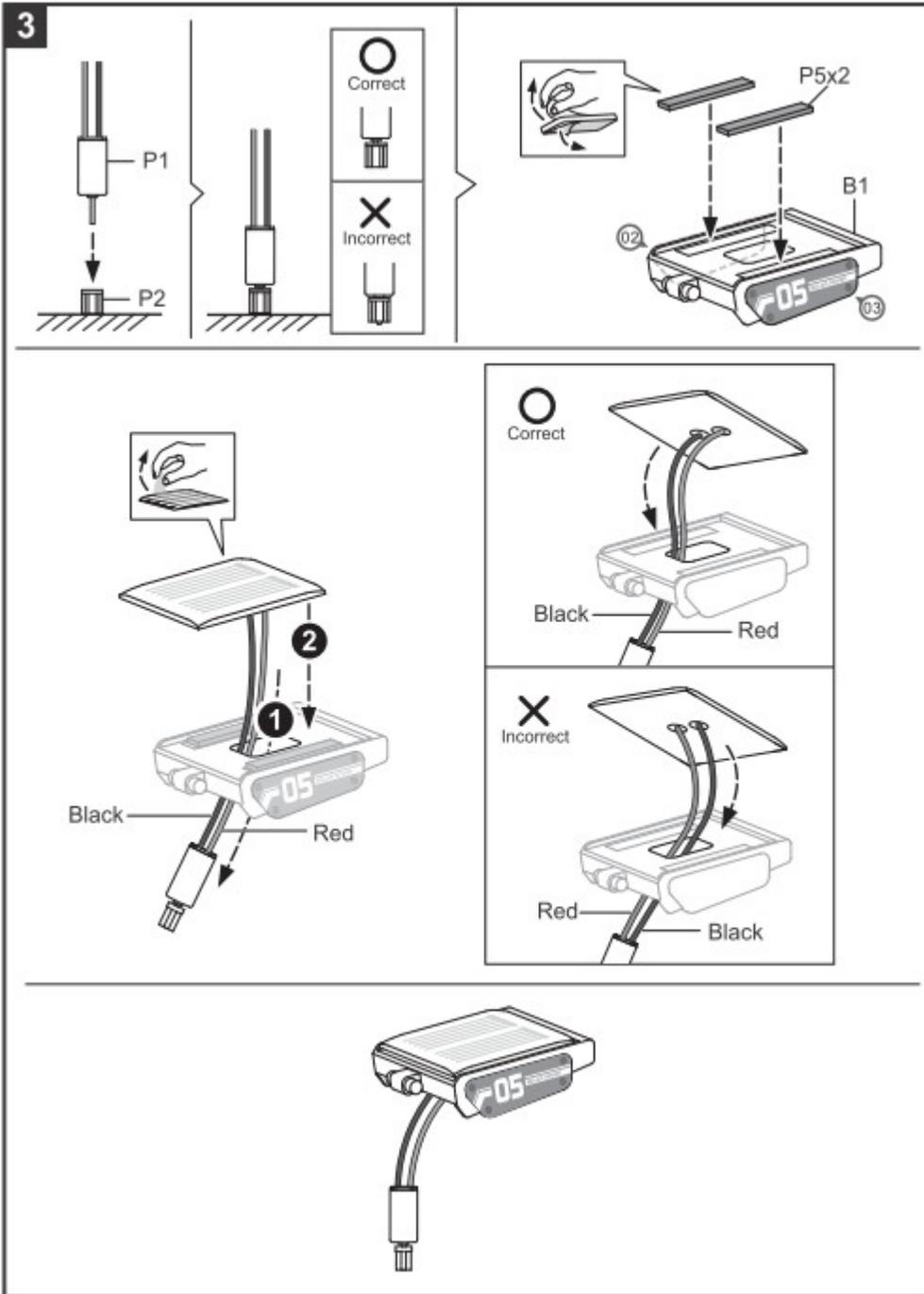


2



## Montagem Mecânica

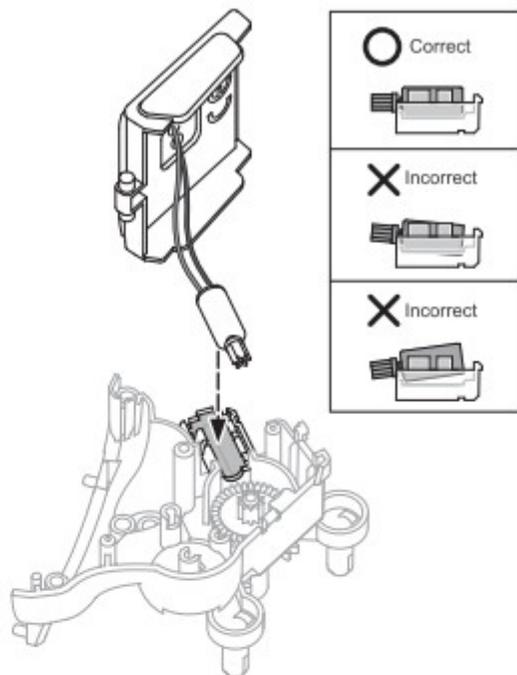
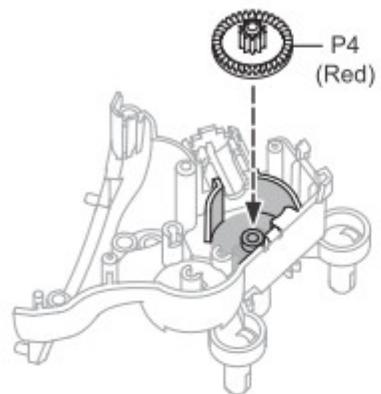
Cortar as rebarbas antes da montagem.



certo

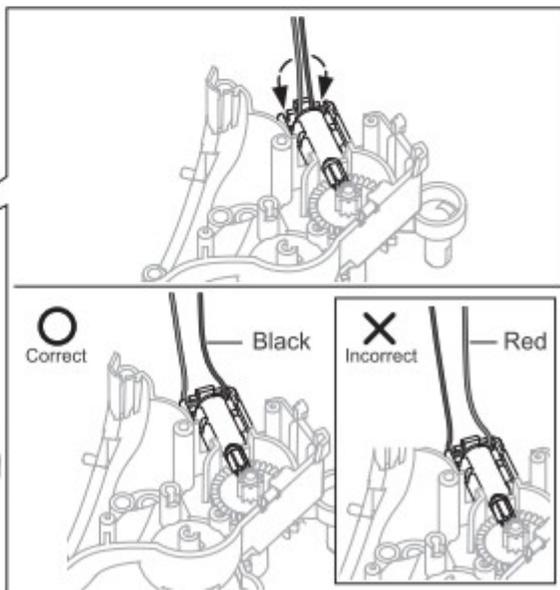
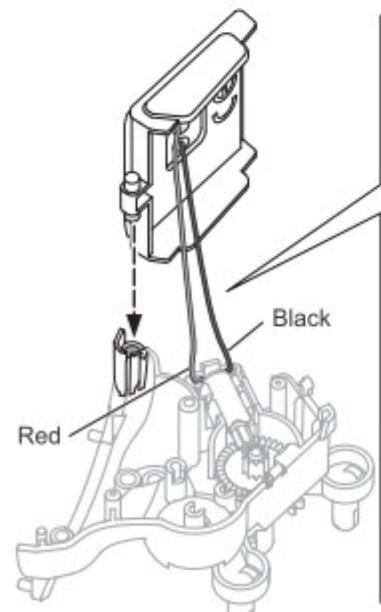
errado

4



certo

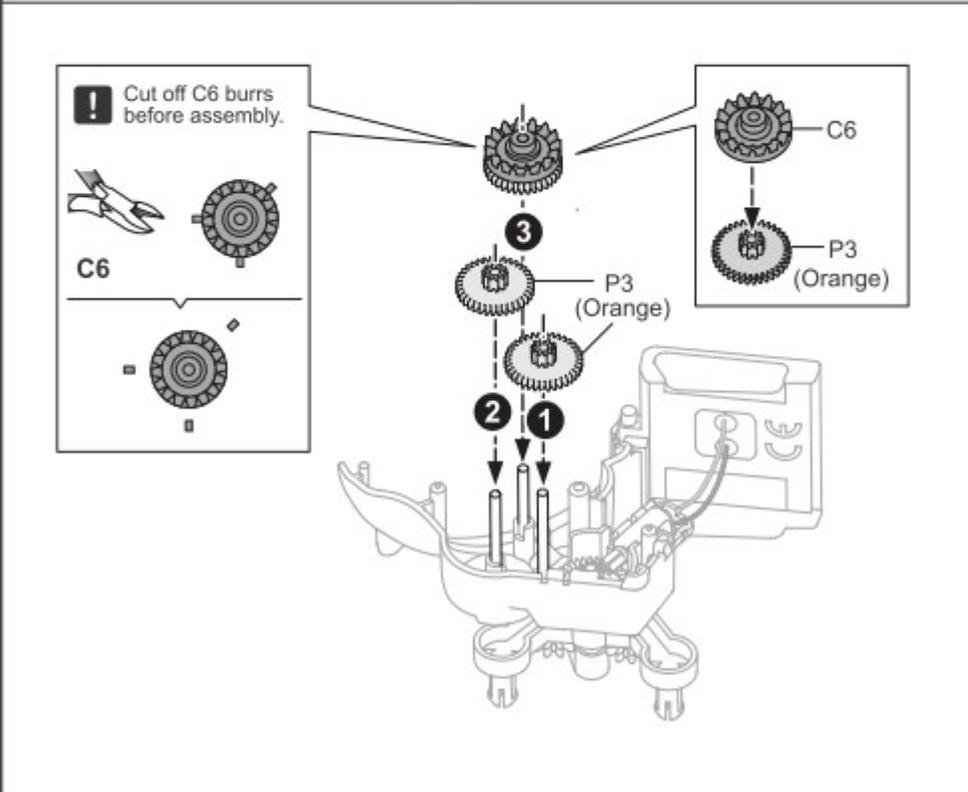
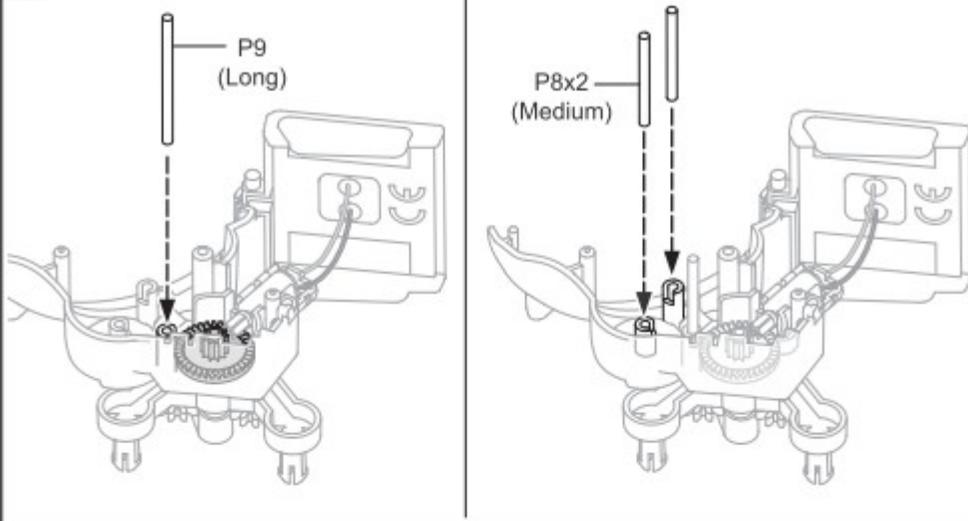
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certo

errado

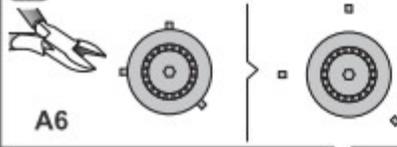
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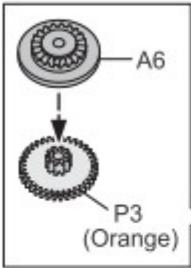
Cortar as rebarbas antes da montagem.

6

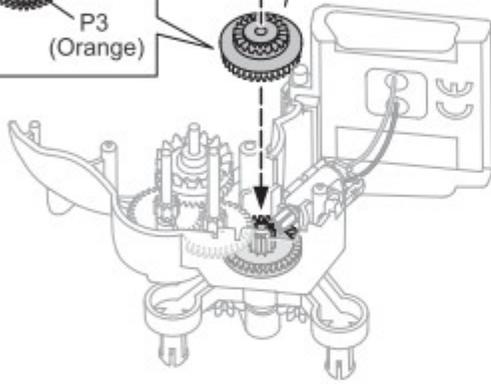
! Cut off A6 burrs before assembly.



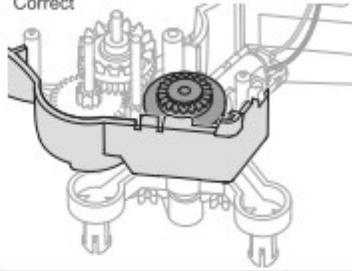
A6



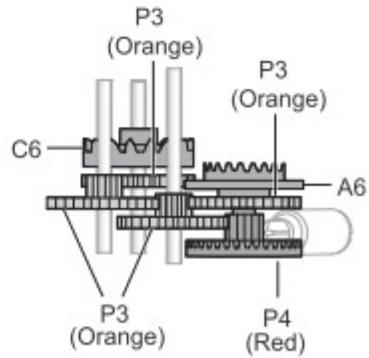
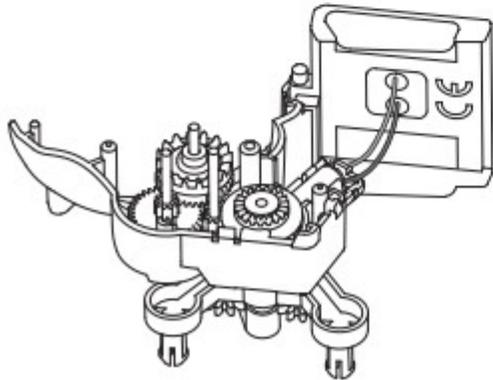
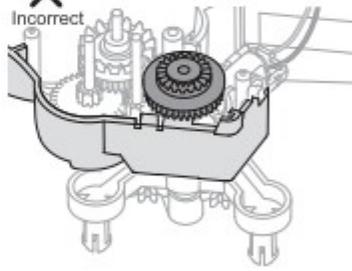
P3  
(Orange)



○  
Correct

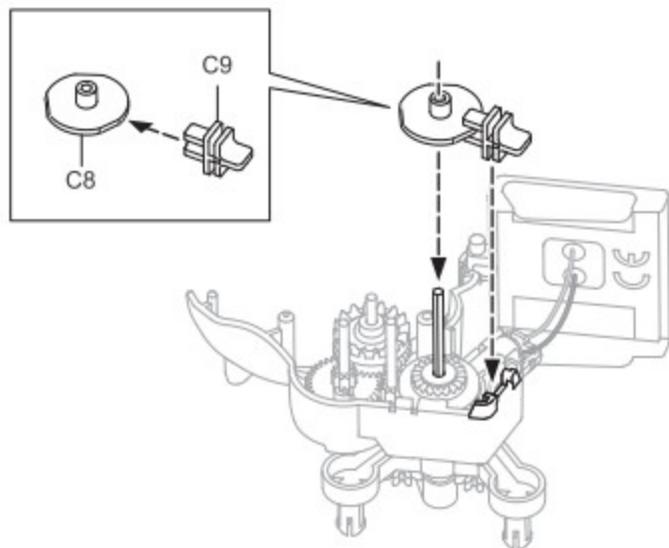
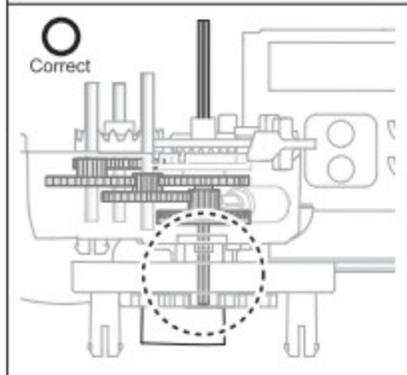
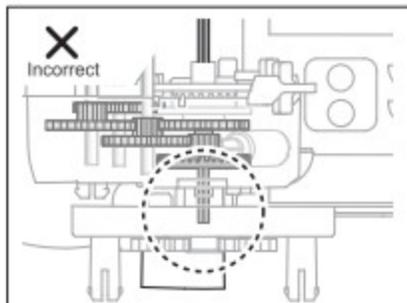
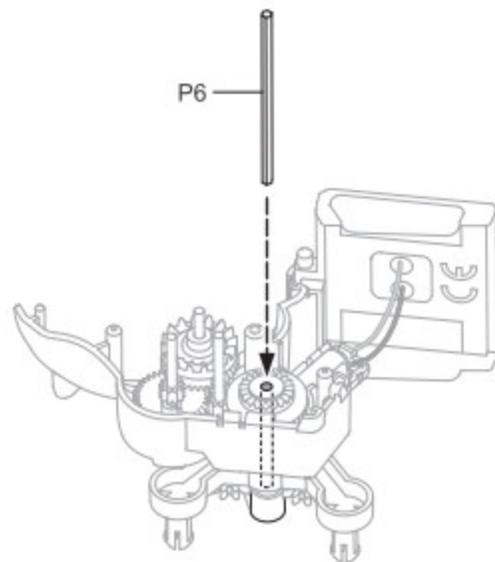


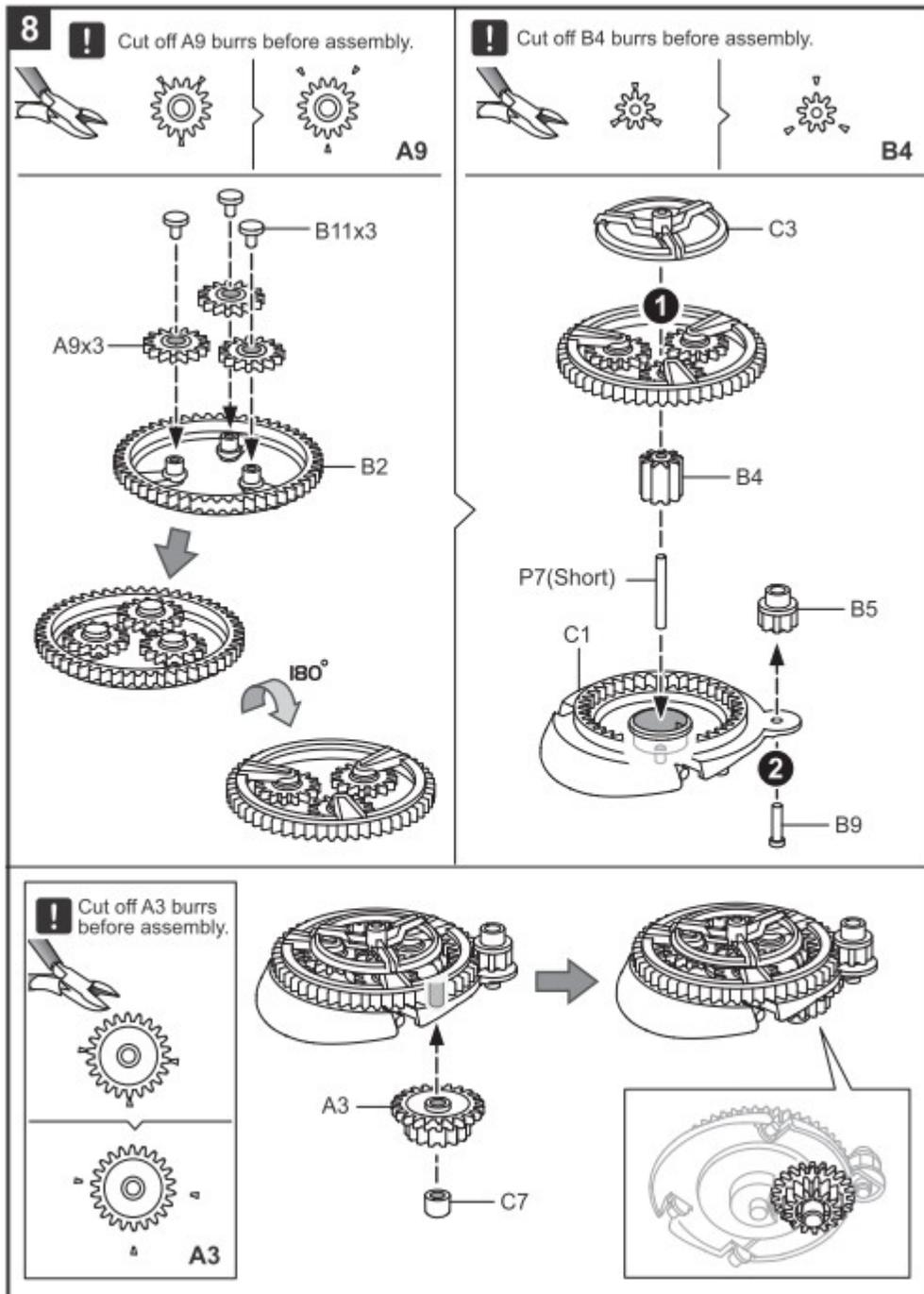
✗  
Incorrect



Cortar as rebarbas antes da montagem.

7

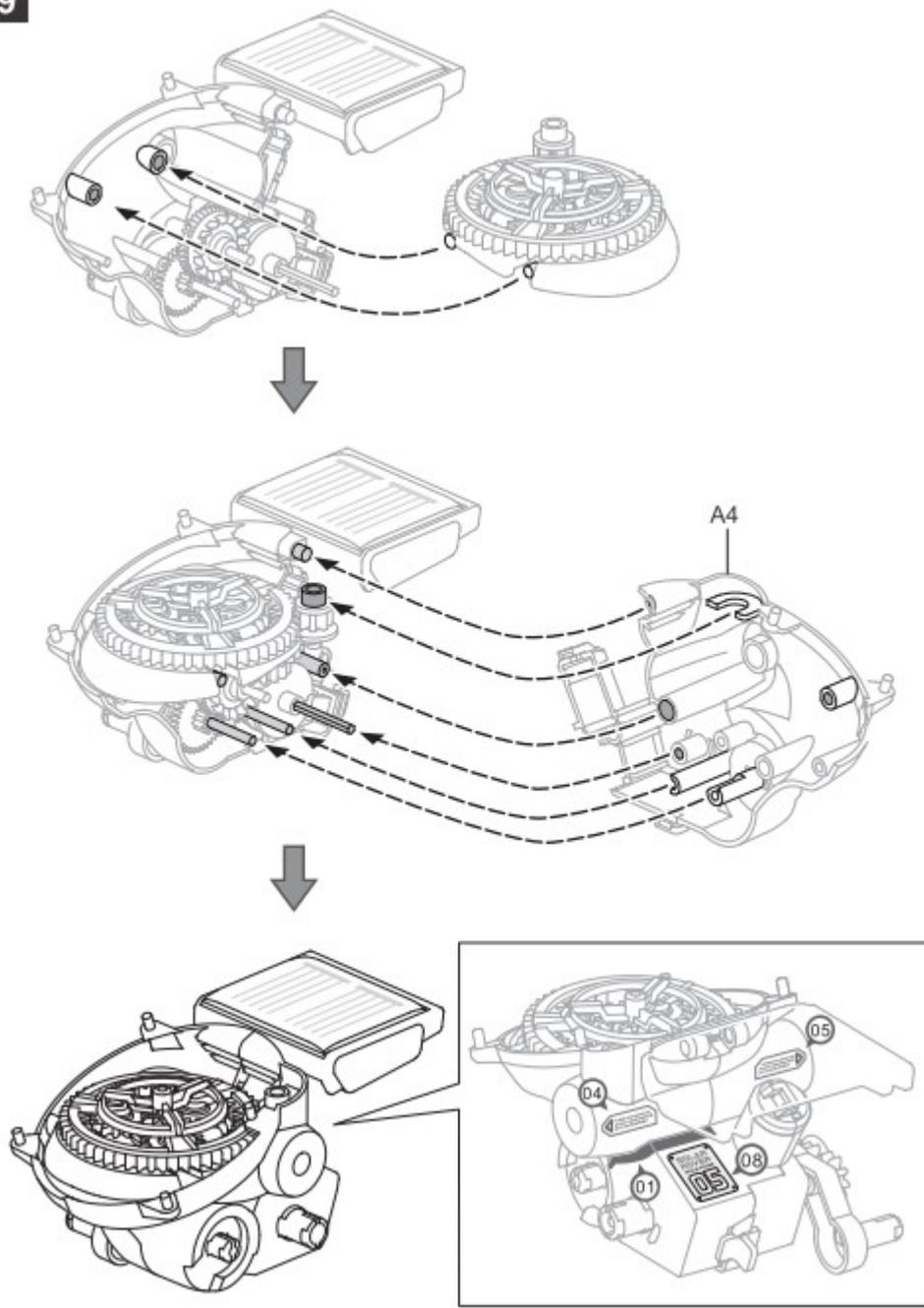


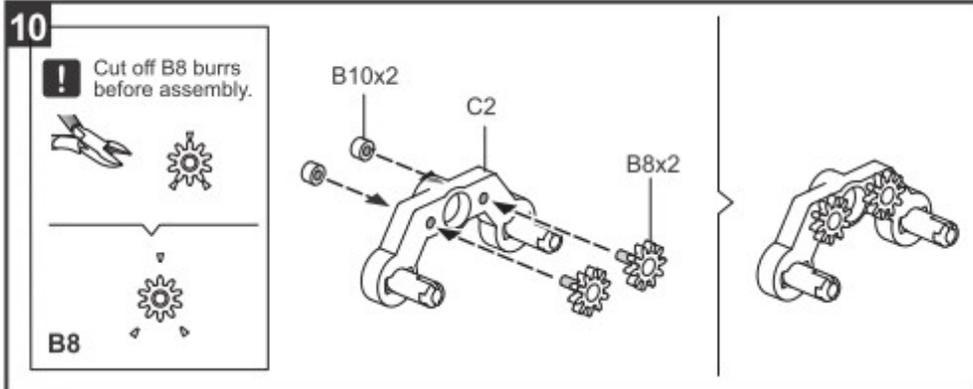


Cortar as rebarbas antes da montagem.

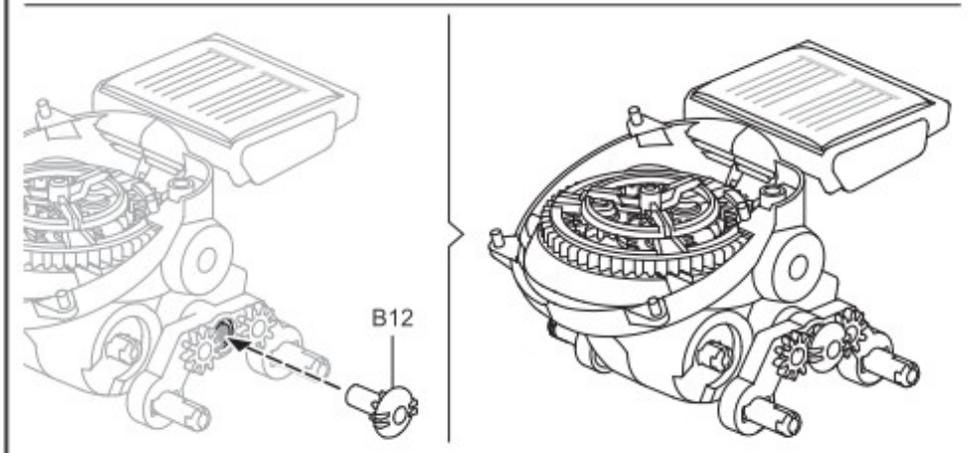
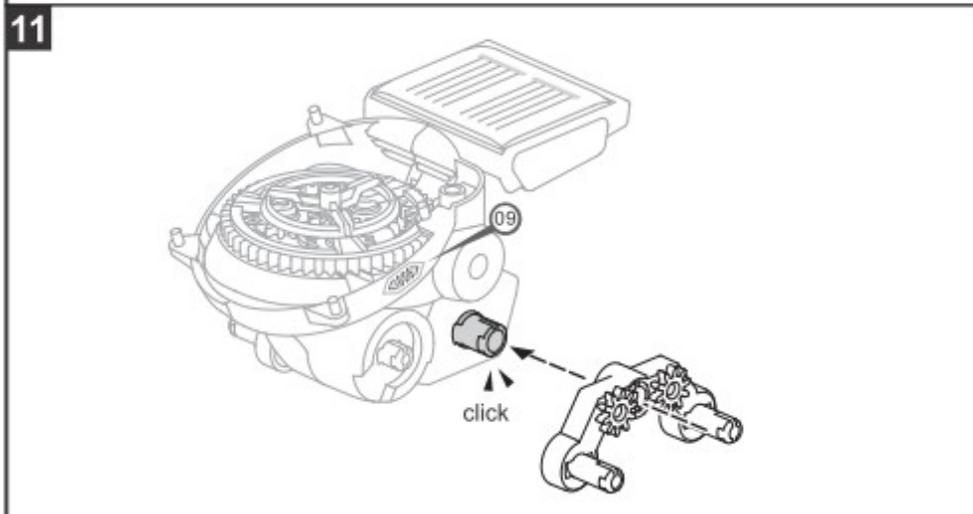
Cortar as rebarbas antes da montagem.

9

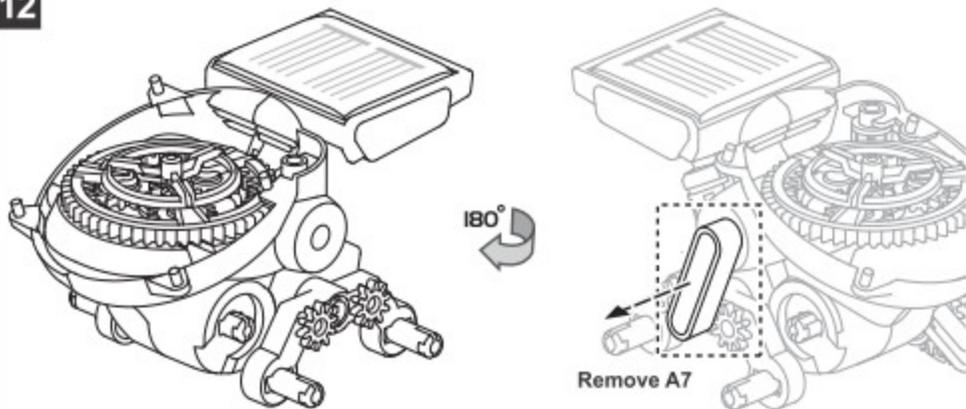




Cortar as rebarbas antes da montagem.

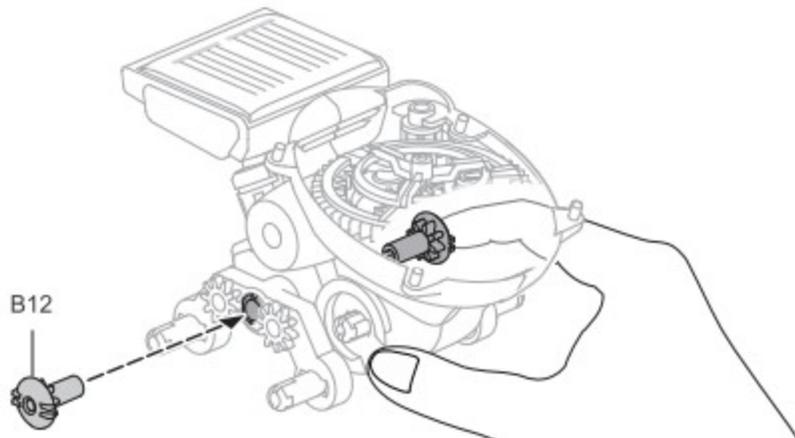


12

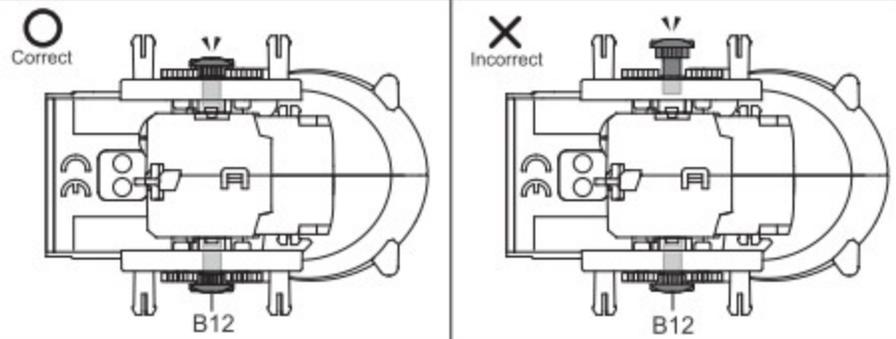


13

Use your finger to hold the other side of B12, it may help you assemble both B12 smoothly.



Bottom View



Use o dedo para segurar o outro lado do B12, pode ajudá-lo a montar ambos os B12 sem problemas.

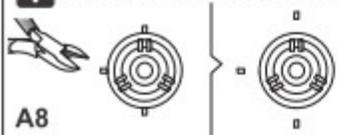
Vista da Parte de Baixo

certo

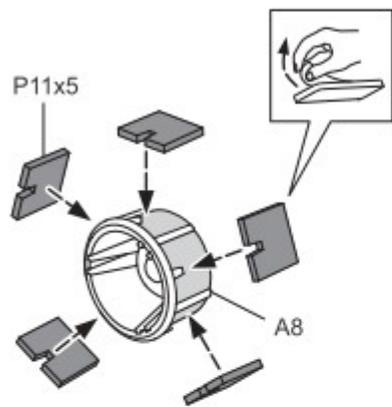
errado

14

! Cut off A8 burrs before assembly.



A8

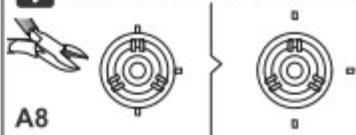


P11x5

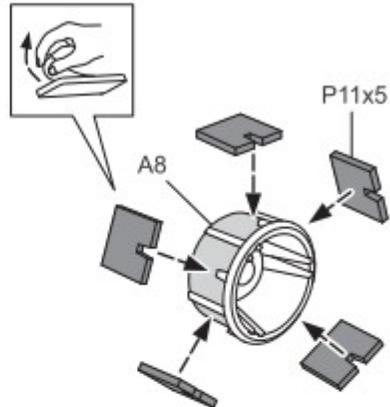
A8

15

! Cut off A8 burrs before assembly.



A8

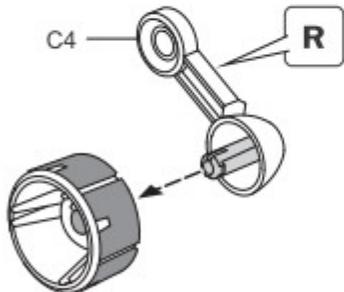


P11x5

A8

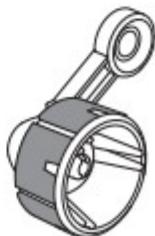
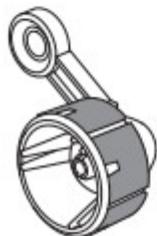
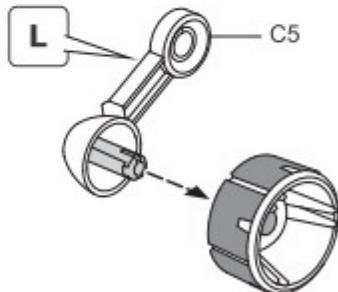
C4

R

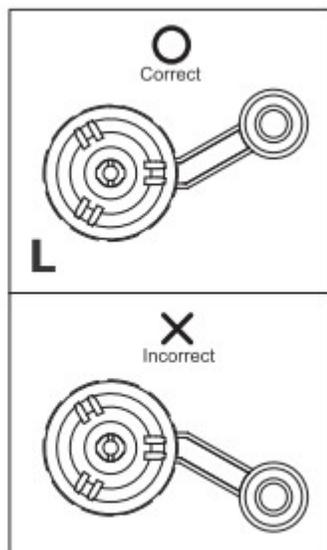
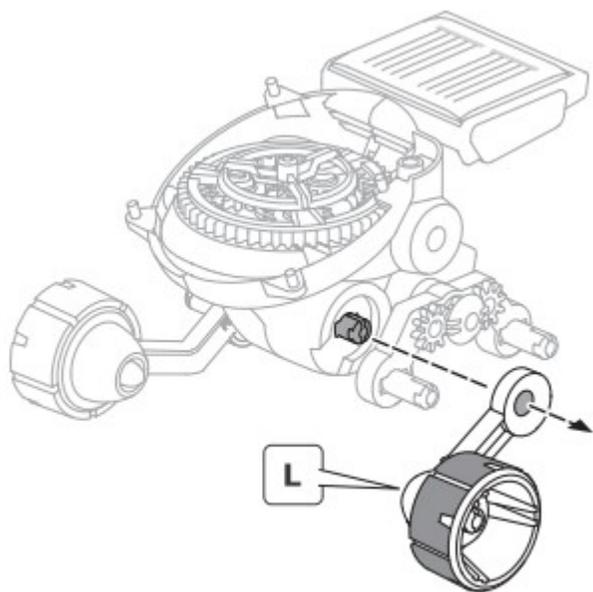
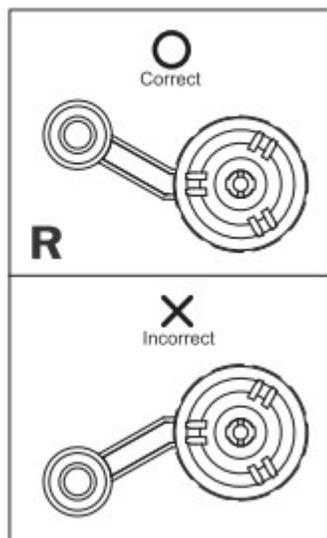
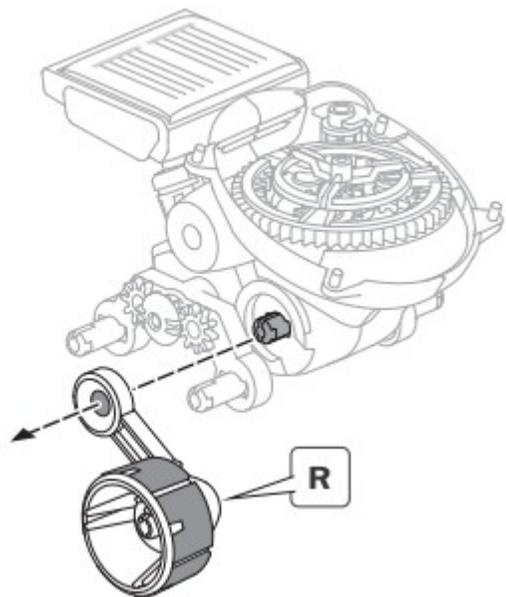


L

C5

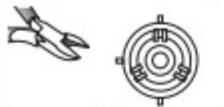


Cortar as rebarbas antes da montagem.



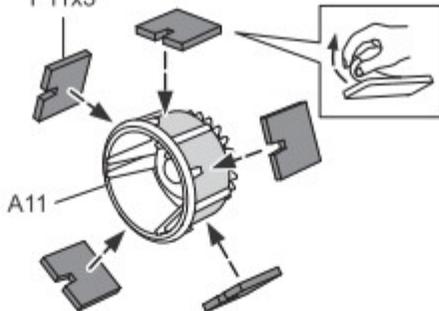
17

! Cut off A11 burrs before assembly.

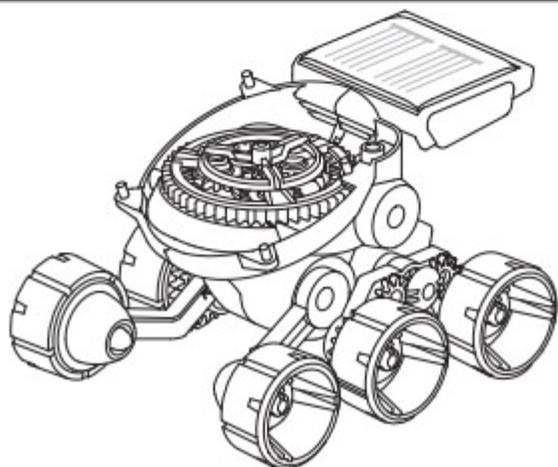
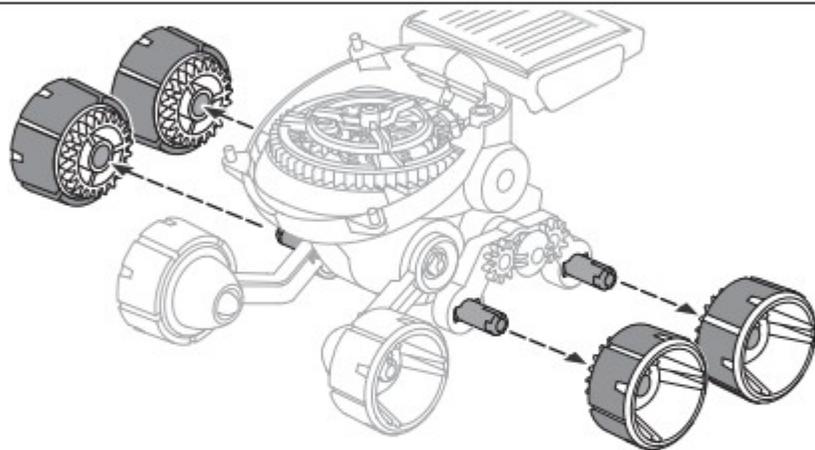


A11

P11x5



x4

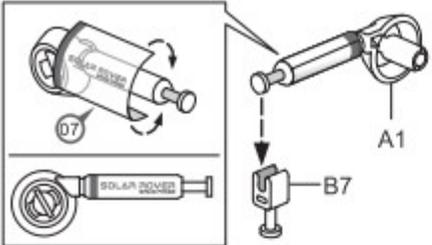


Cortar as rebarbas antes da montagem.

18

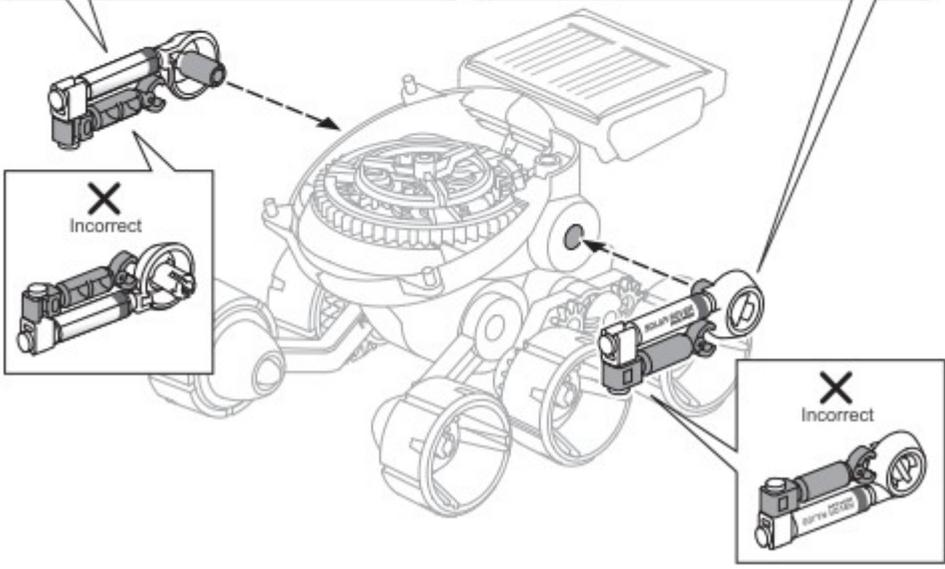
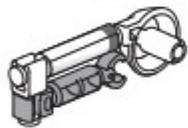
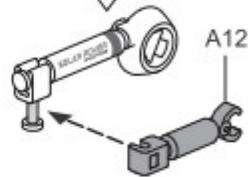
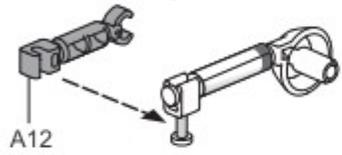
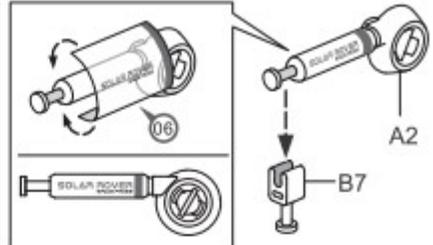
! Cut off the burrs before assembly.

B7



! Cut off the burrs before assembly.

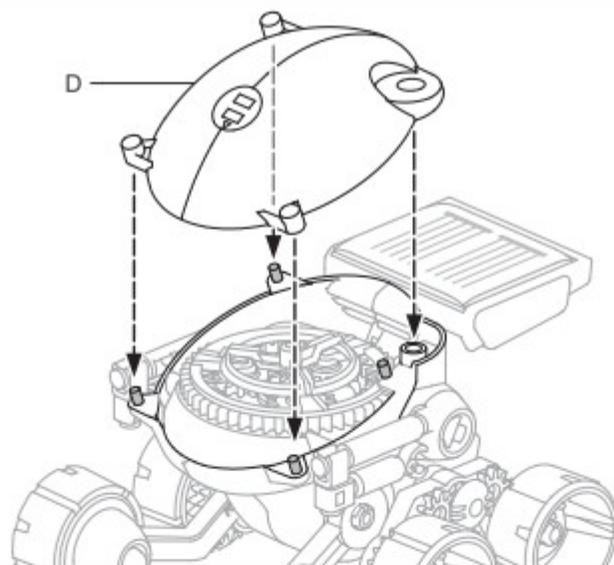
B7



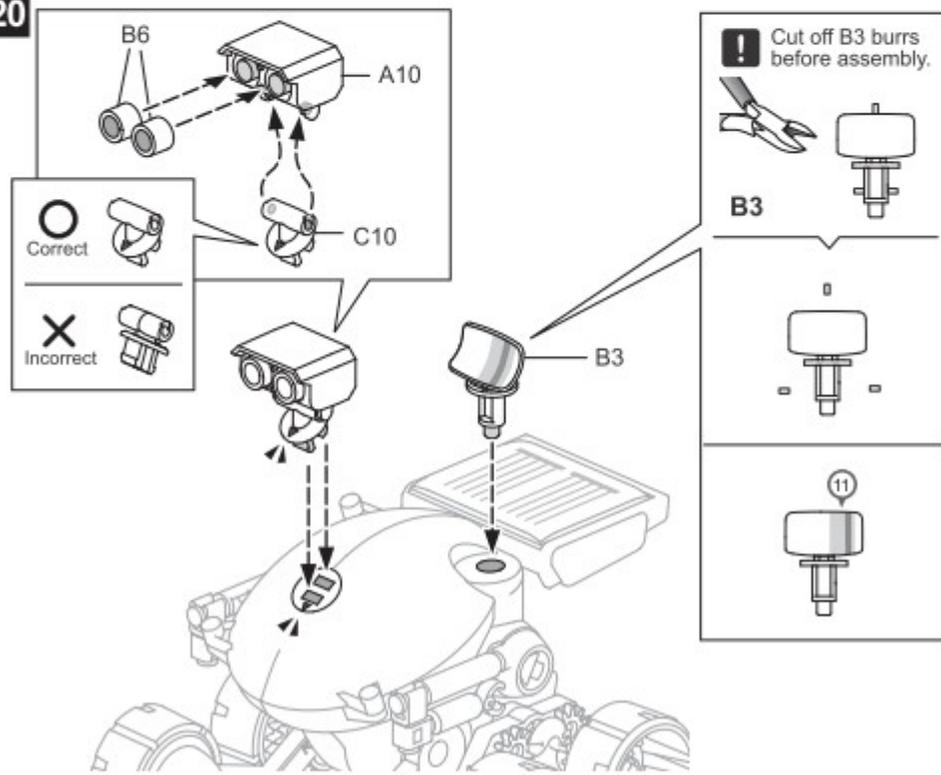
Cortar as rebarbas antes da montagem.

errado

19



20

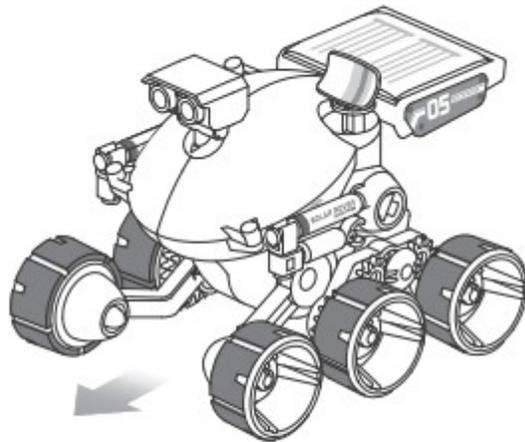


Cortar as rebarbas antes da montagem.

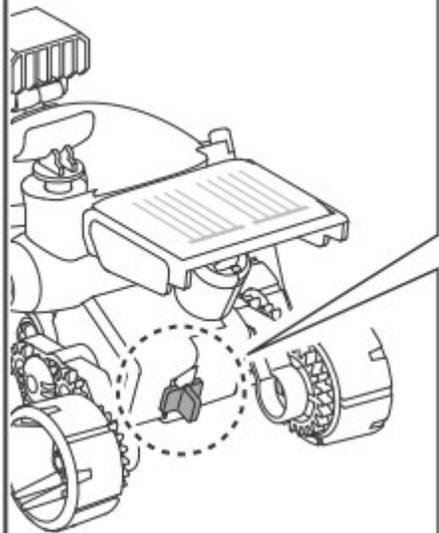
certo

errado

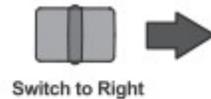
## 21 Running



### How To Play



**Mode 1** **AUTOMATIC MODE**  
Under direct sunlight, Both Rover and Planetary gears start to run automatically.



Switch to Right

**Mode 2** **MANUAL MODE**  
Under direct sunlight, transmission Planetary Gears keep running, but Rover will only run by being pushed manually.



Switch to Left

### TroubleShooting

If it doesnot run smoothly, please check if all burrs are cut thoroughly.

Funcionamento

### Como usar

#### Modo Automático

Sob luz solar direta, tanto o Rover como as Engrenagens Planetárias começam a funcionar automaticamente.

Mudar para a direita

#### Modo Manual

Sob luz solar direta, o sistema de transmissão de Engrenagens Planetárias continua a funcionar, mas o Rover só funciona se empurrado manualmente.

Mudar para a esquerda

### Resolução de problemas

Se o dispositivo não funcionar corretamente, verifique se todas as rebarbas foram cortadas devidamente.

It's time to have some FUN !



1. Take outside under direct sunlight. Best results are obtained when operated on a sunny day.
2. For indoor fun, use a 50 watt halogen light. The product will not run on a cloudy day, shaded locations, indirect sunlight, or under a Fluorescent light.



**WARNING :**  
CHOKING HAZARD  
Small parts  
Not for children under  
3 years



Chegou o momento da DIVERSÃO

1. Levar para o exterior, sob luz solar direta. Os resultados são muito melhores em dias de sol.
2. Para usar no interior, utilize uma lâmpada de halogéneo de 50 W. O aparelho não funciona em dias nublados, locais com sombra, sob luz solar indireta ou sob uma luz fluorescente.

Advertência  
Perigo de asfixia  
Peças pequenas  
Não é indicado para crianças com  
menos de 3 anos