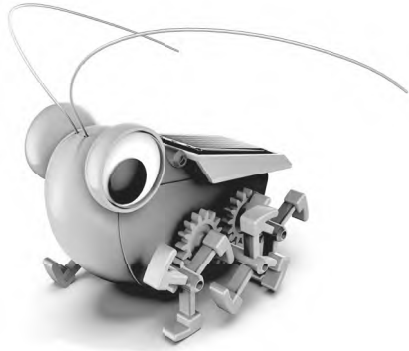


INSECTE SOLAIRE

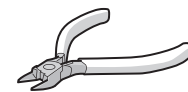
Cet insecte solaire est idéal pour un projet d'objet à réaliser soi-même dans le cadre d'une expo-science, d'activités extrascolaires ou d'un atelier d'été, avec en prime l'apprentissage de la transmission mécanique et de la théorie du moteur électrique.

Avec seulement 51 pièces à assembler, c'est un jouet merveilleux pour les débutants enthousiastes de 8 ans et plus, et une passerelle vers des opportunités d'apprentissage amusantes.

En plein soleil, cet petit insecte ne cesse de se pavaner avec plus de vigueur que vous ne pouvez l'imaginer.



Outil nécessaire



Pince coupante

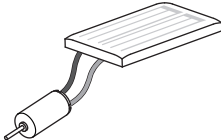


AVERTISSEMENT :
RISQUE DE SUFFOCATION
Petites pièces
Ne convient pas aux enfants
de moins de 3 ans



Liste des pièces mécaniques

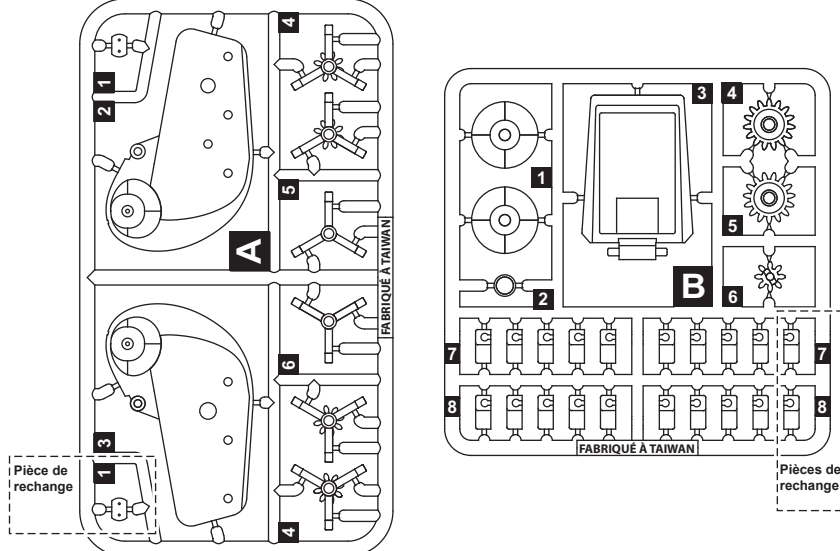
! Le produit comprend des bords pointus et des angles saillants.

P1		Panneau solaire avec moteur		P2		Engrenage à pignons (blanc)		P3		Engrenage (rouge)	
		QTÉ				QTÉ				QTÉ	
		1				1				1	
! Ne connectez pas les fils au réseau électrique.											
P4		Engrenage (orange)		P5		Engrenage avec axe (bleu)		P6		Yeux	
		QTÉ				QTÉ				QTÉ	
		2				2				2	
P7		Éponge		P8		Antenne		P9		Arbre arrondi (court)	
		QTÉ				QTÉ				QTÉ	
		1				2				2	
P10		Arbre arrondi (moyen)		P11		Arbre arrondi (long)					
		QTÉ				QTÉ					
		2				1					

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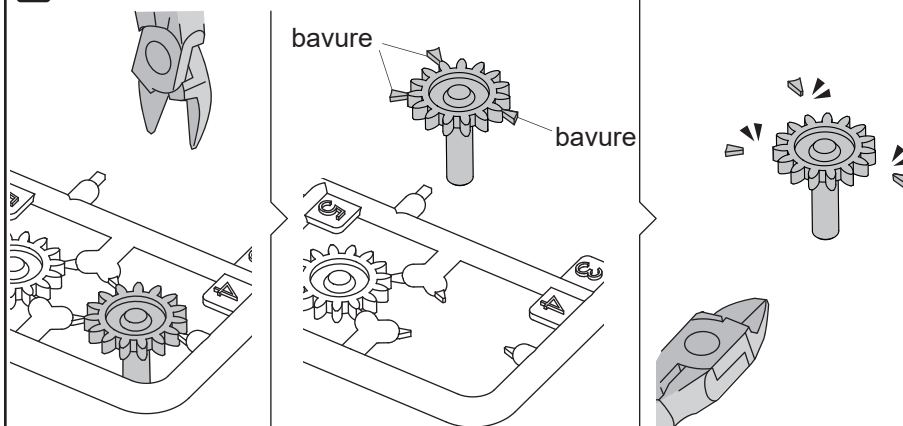
Pièces en plastique

! Découpez les pièces en plastique lorsque vous en avez besoin. Ne les coupez pas en avance.

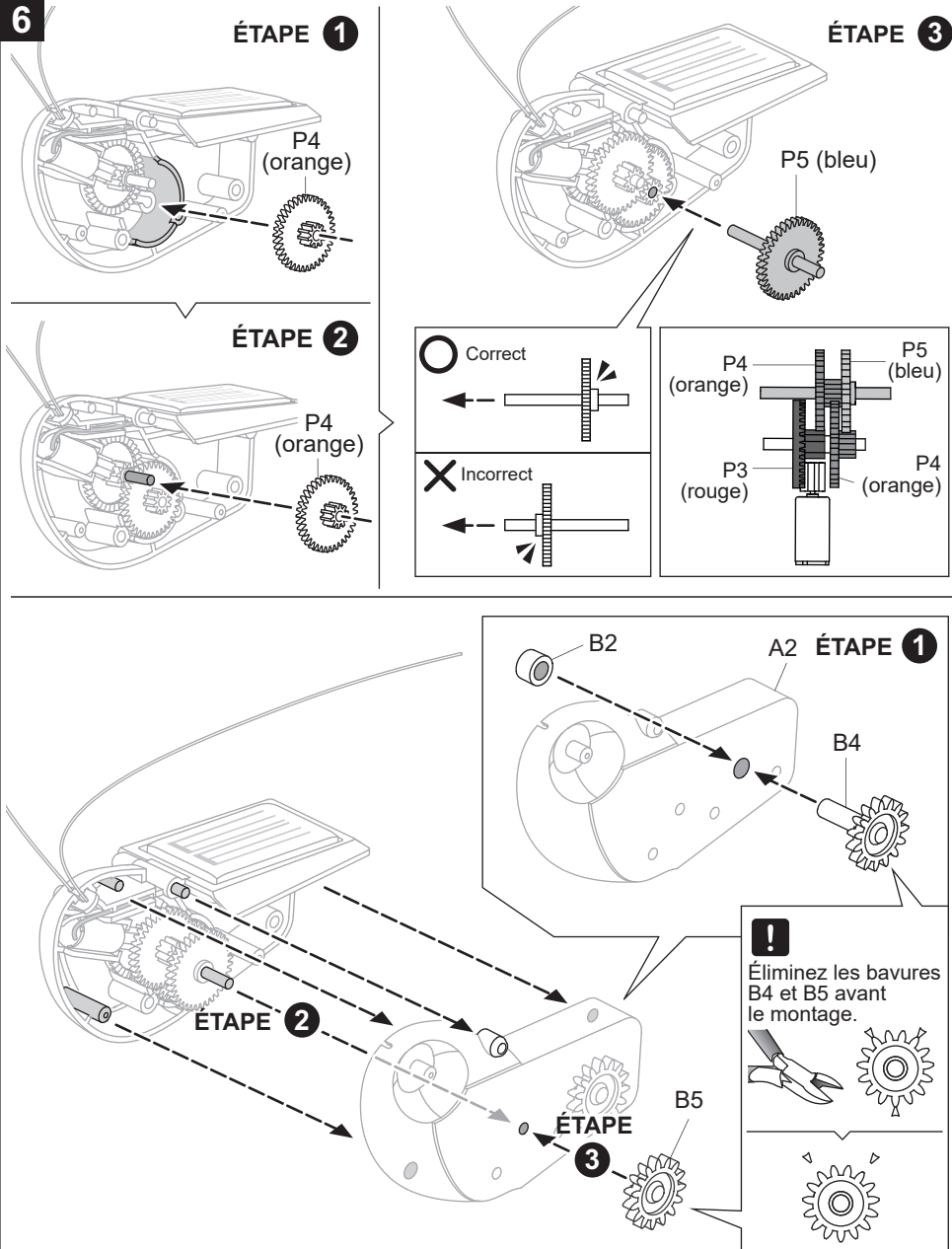
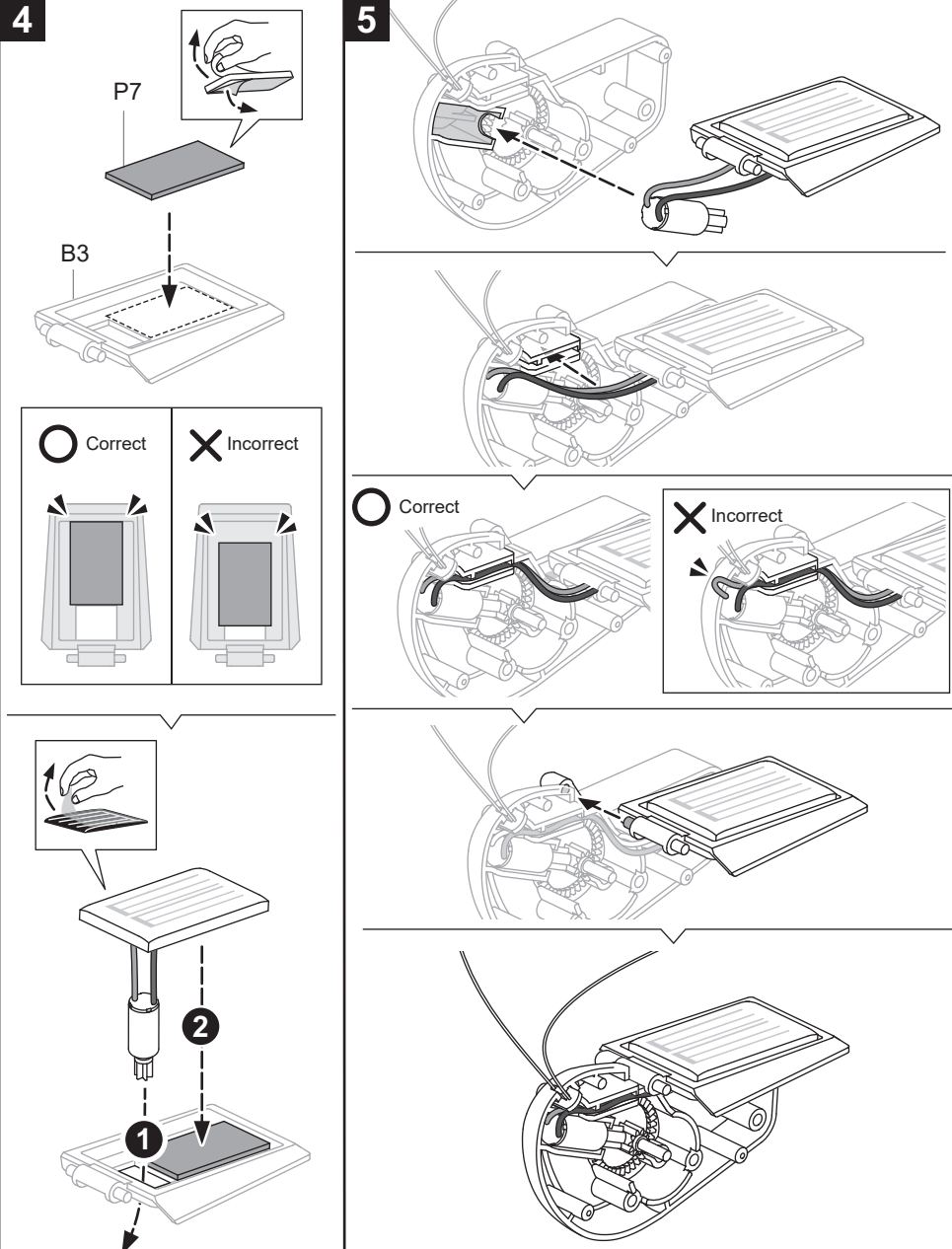
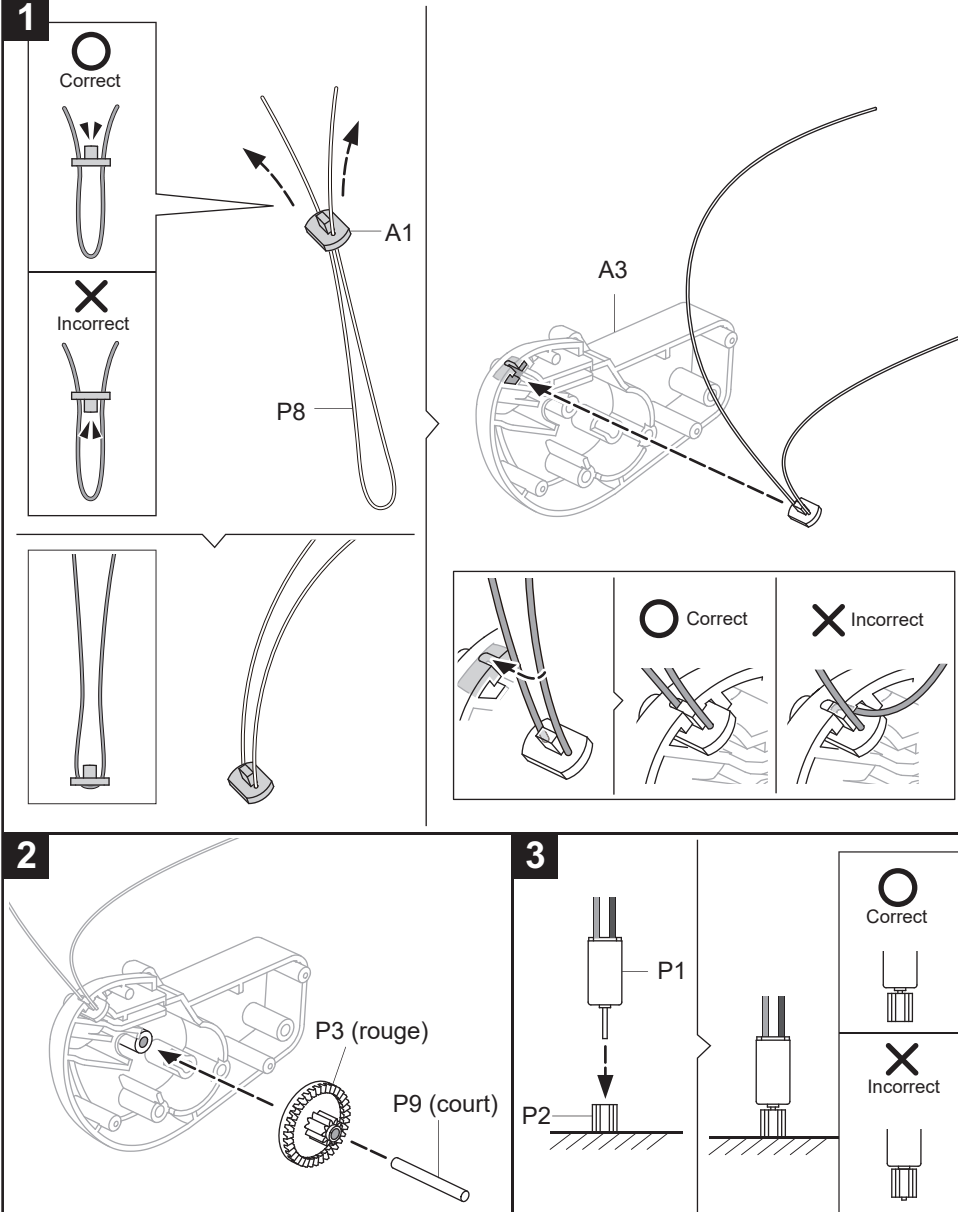


Astuces

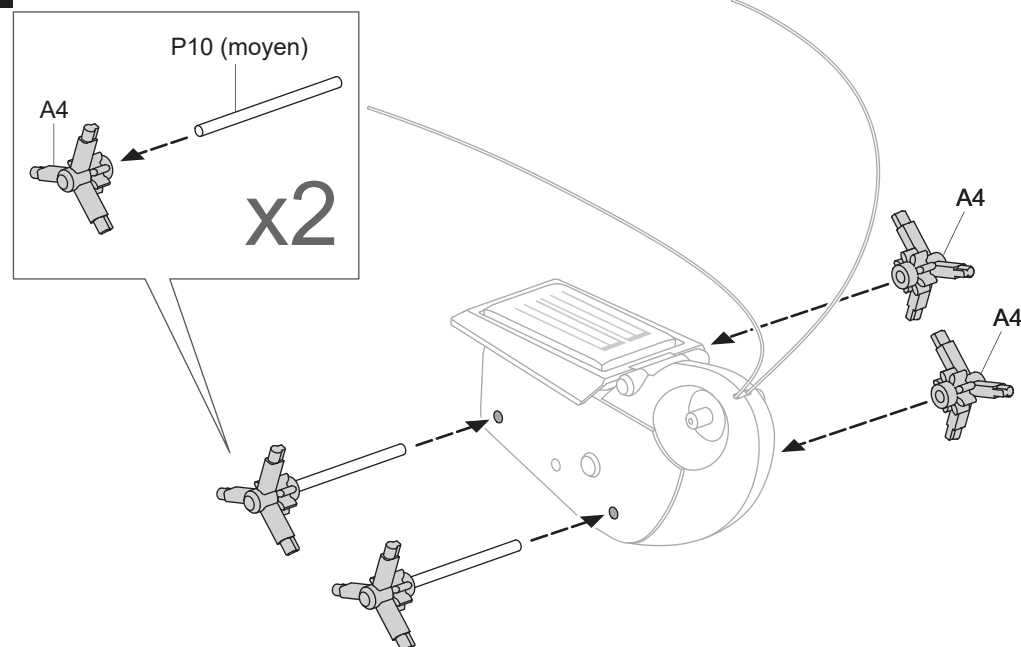
! Éliminez les bavures avant le montage.



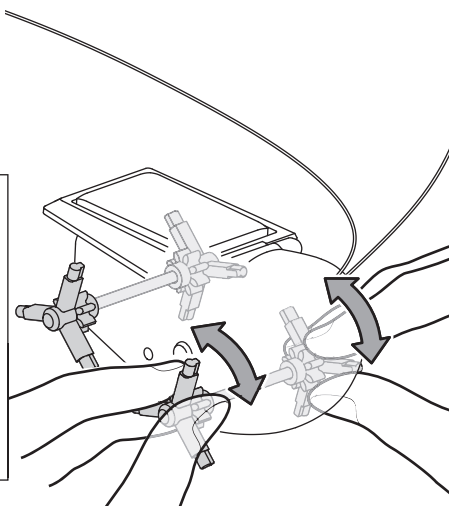
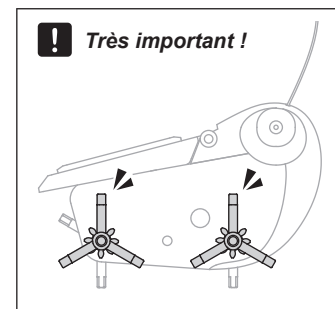
Montage mécanique



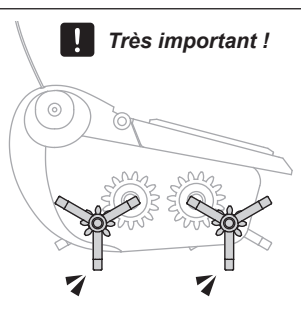
7



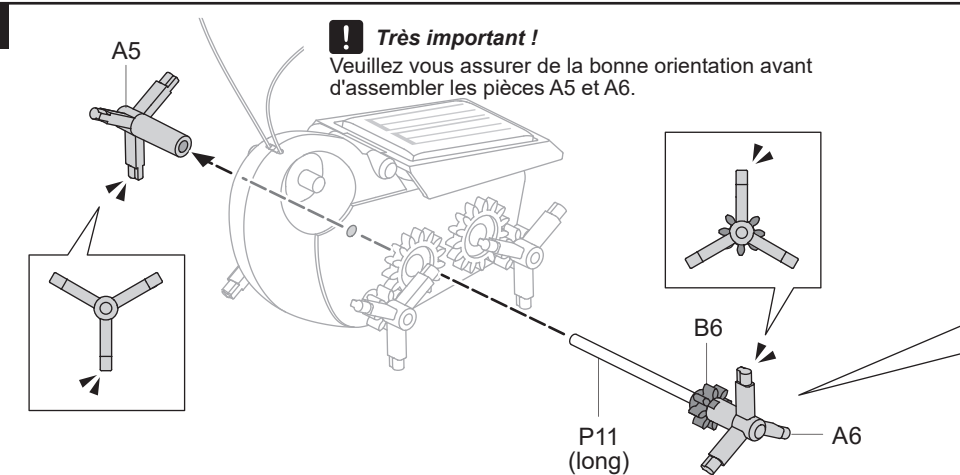
Orientez les pieds dans la direction illustrée



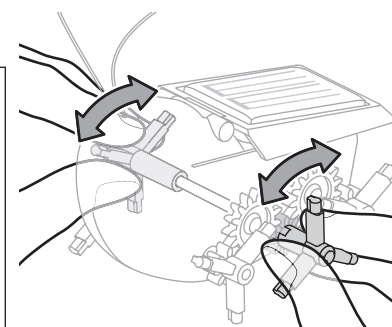
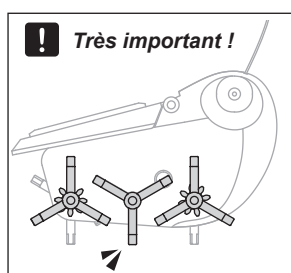
Orientez les pieds dans la direction illustrée



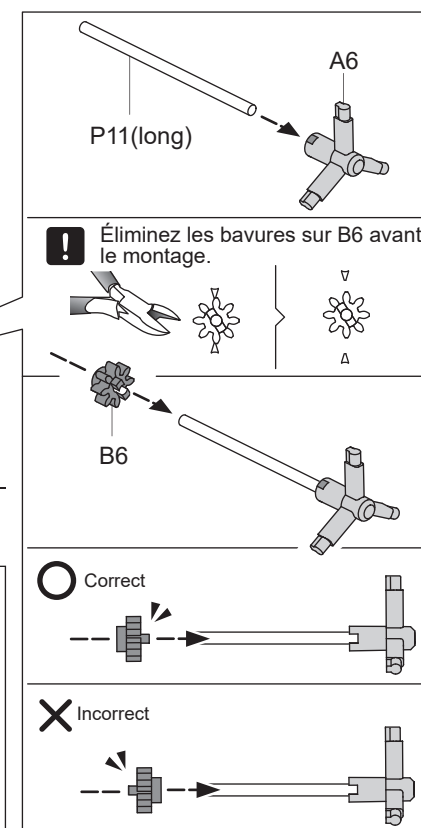
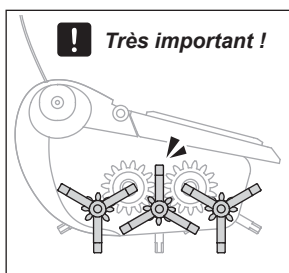
8



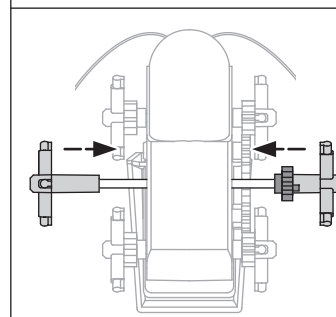
Orientez les pieds dans la direction illustrée



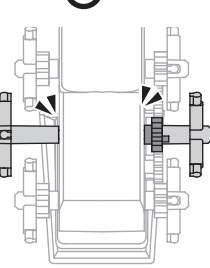
Orientez les pieds dans la direction illustrée



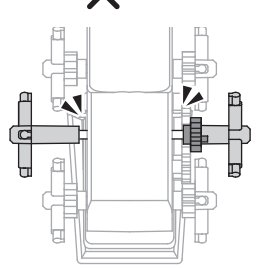
Vue de dessous



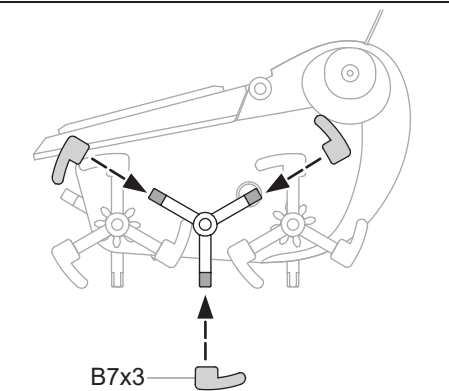
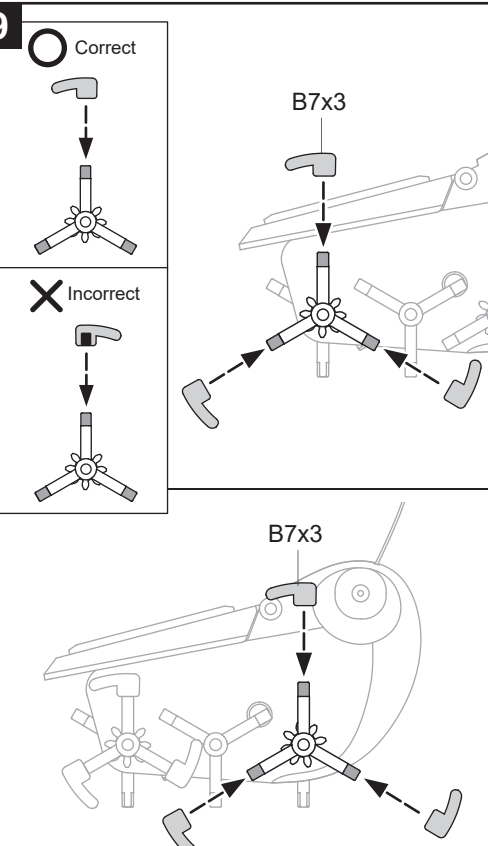
☐ Correct



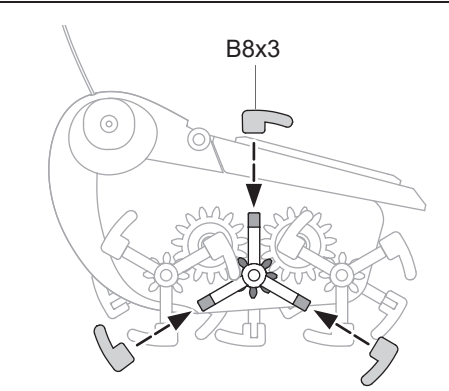
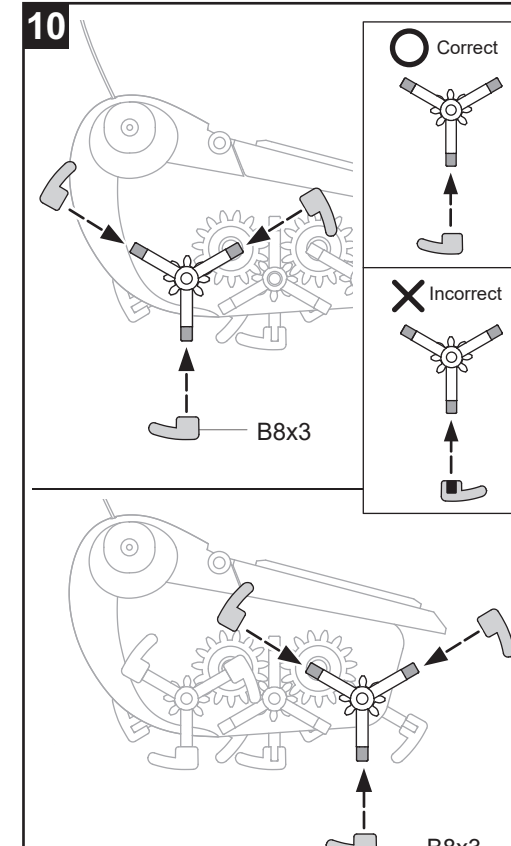
X Incorrect



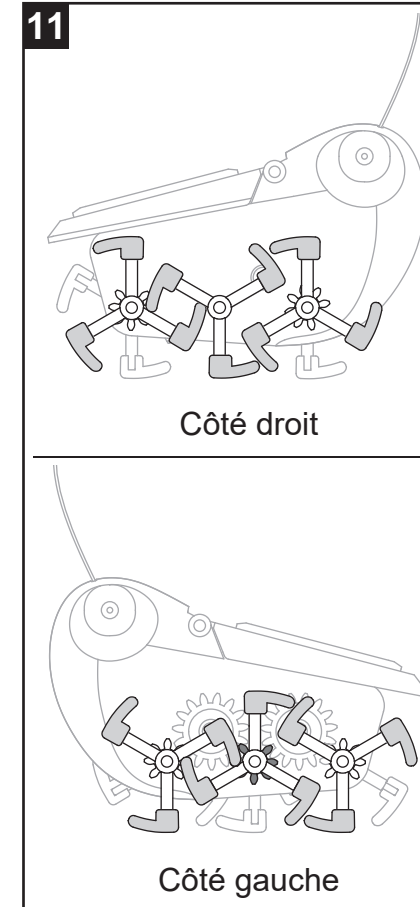
9



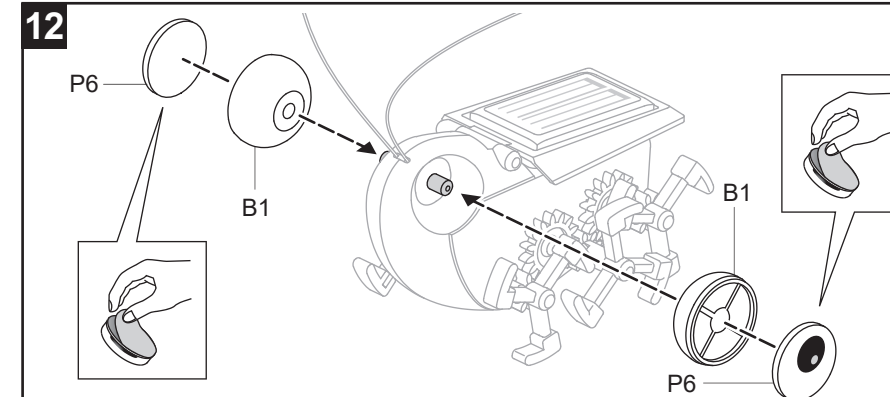
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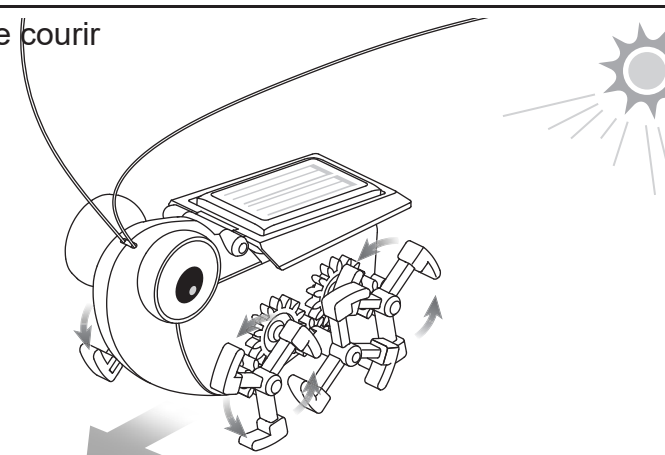
11



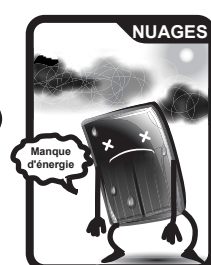
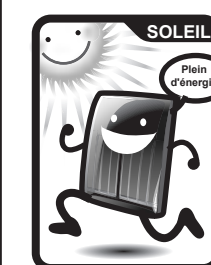
12



13 En train de courir



Il est temps de S'AMUSER !



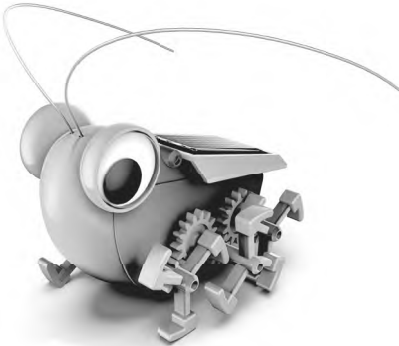
1. Mettre l'insecte dehors à la lumière directe du soleil.
Les meilleurs résultats sont obtenus les jours ensoleillés.
2. Pour l'intérieur, utilisez une lampe halogène de 50 watts.
Le produit ne fonctionnera pas sous un ciel nuageux, à l'ombre, sous la lumière indirecte du soleil ou une lumière fluorescente.

SOLAR BUG

Solar bug is ideal for a do-it-yourself science fair, after-school, or summer workshop project with the bonus gift of learning mechanical transmission and electrical motor theory.

With only 51 assembly parts, it's a wonderful instrument for the beginner enthusiast 8 years and up, and a gateway to ignite opportunities in fun learning.

With direct sunlight, this little bug will keep strutting and strutting with more vigor than you could imagine.



Tool You May Need

Diagonal Cutter

CE

WARNING:

CHOKING HAZARD

Small parts

Not for children under 3 years

0-3

Mechanical Parts List					
! Product contains functional edges and sharp points.					
P1	Solar Panel With Motor		P2	Pinion Gear (White)	
		QTY			QTY
! Don't connect the wires to the mains.		1			1
P3	Gear(Orange)		P4	Gear(Orange)	
		QTY			QTY
		2			2
P5	Gear With Shaft(Blue)		P6	Eyes	
		QTY			QTY
		2			2
P7	Sponge		P8	Antenna	
		QTY			QTY
		1			2
P9	Round Shaft (Short)		P10	Round Shaft (Middle)	
		QTY			QTY
		2			2
P11	Round Shaft (Long)		P12	Round Shaft (Long)	
		QTY			QTY
		1			1

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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

1

Correct

Incorrect

2

3

Correct

Incorrect

4

Correct

Incorrect

5

Correct

Incorrect

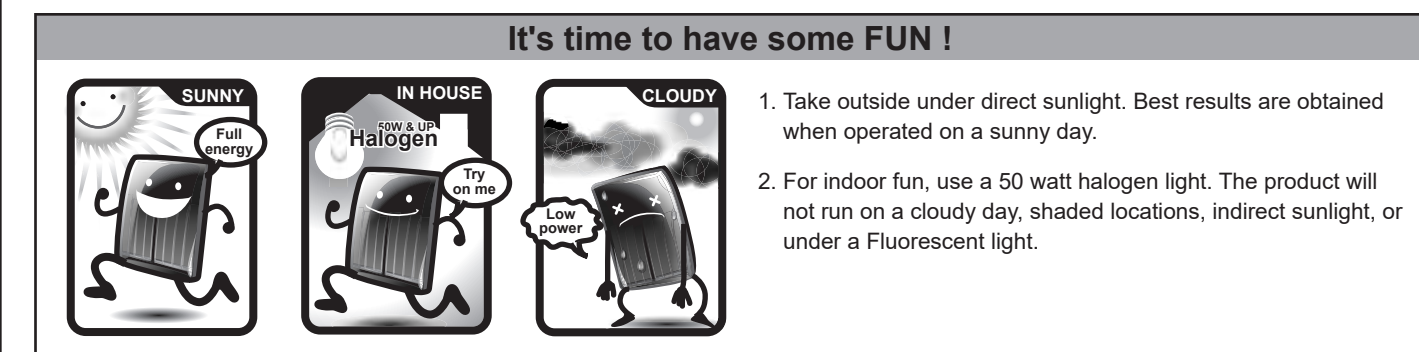
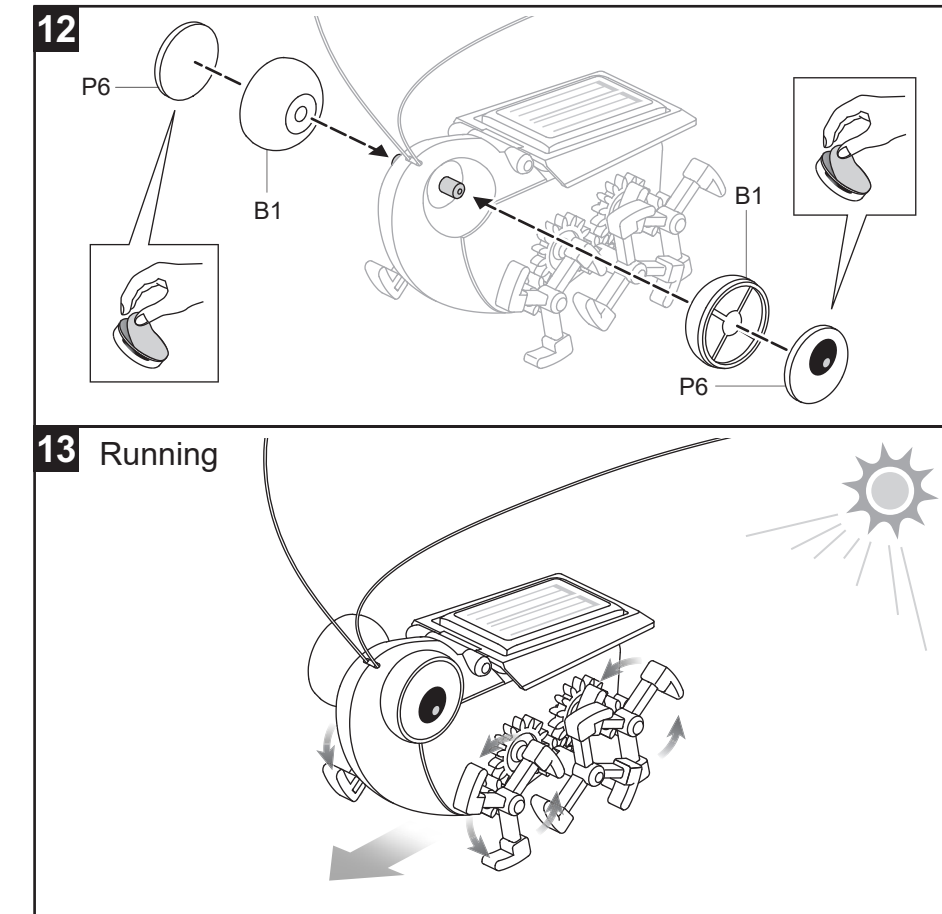
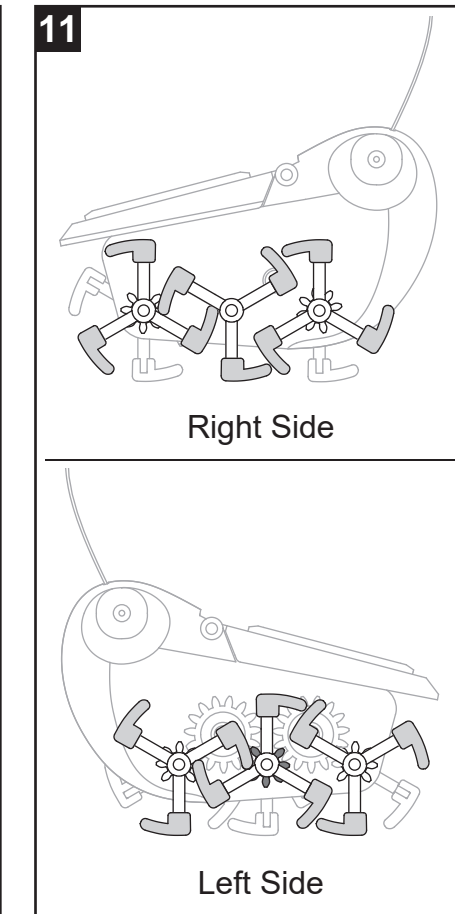
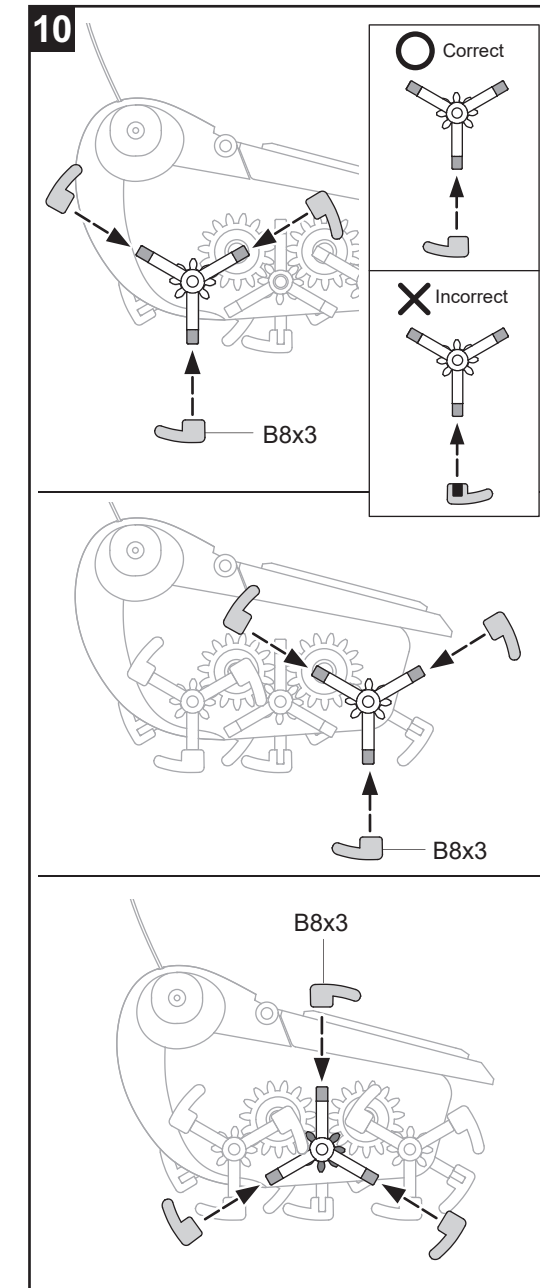
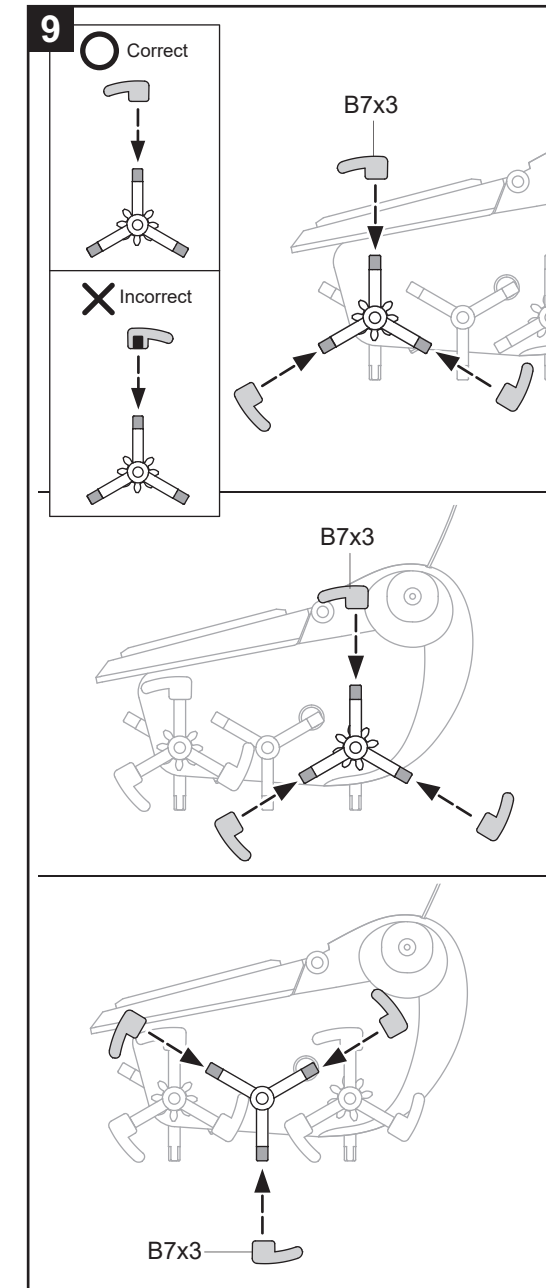
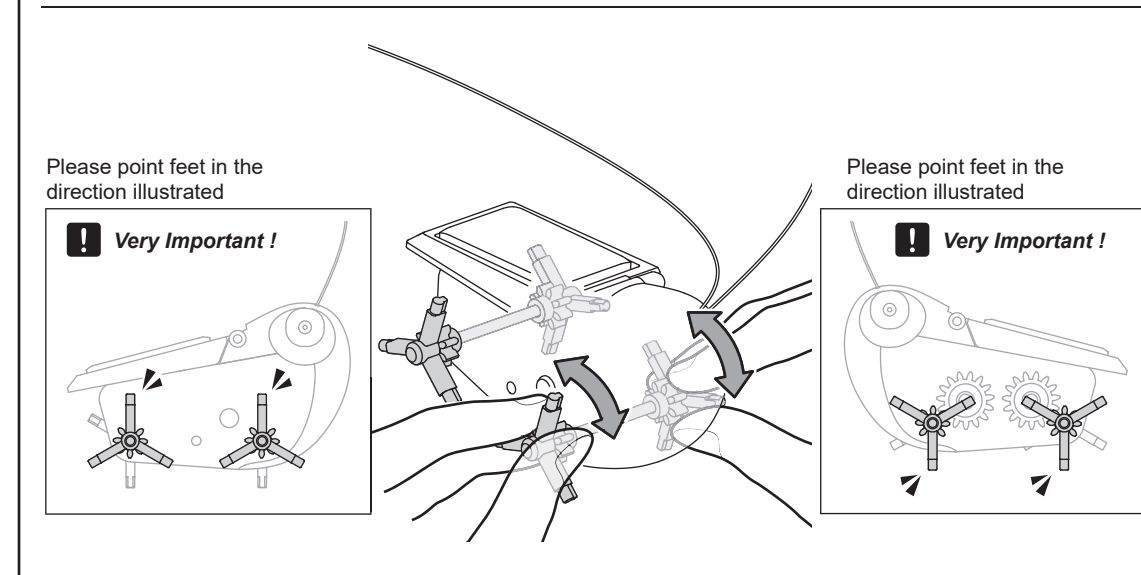
6

STEP 1

STEP 2

STEP 3

STEP 4

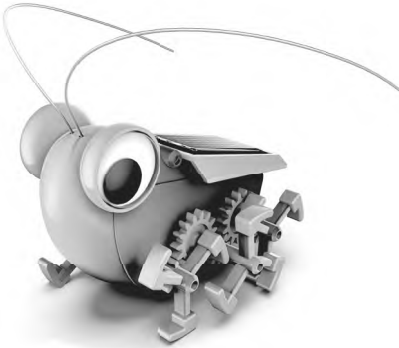


INSECTO SOLAR

Este insecto solar es el proyecto de bricolaje perfecto para un concurso de ciencias, una actividad extraescolar o un taller de verano. Además, sirve para aprender un montón sobre transmisión mecánica y motores eléctricos.

Al constar de 51 piezas únicamente, este artilugio es una excelente forma de aprender divirtiéndose que entusiasmará a los aficionados a las manualidades principiantes (a partir de 8 años).

Al exponerlo a la luz solar directa, este pequeño insecto comienza a caminar con una energía sorprendente.



Herramientas útiles

Alicates de corte diagonal

ADVERTENCIA:
PELIGRO DE ASFIXIA
Piezas pequeñas
No apto para menores
de 3 años

Lista de piezas mecánicas			
El producto contiene bordes funcionales y puntas afiladas.			
P1 Panel solar con motor	P2 Piñón (Blanco)	P3 Engranaje (Rojo)	
CANT.	CANT.	CANT.	CANT.
1	1	1	
P4 Engranaje (Naranja)	P5 Engranaje con eje (Azul)	P6 Ojos	P7 Esponja
CANT.	CANT.	CANT.	CANT.
2	2	2	1
P8 Antena	P9 Eje redondo (Corto)	P10 Eje redondo (Mediano)	P11 Eje redondo (Largo)
CANT.	CANT.	CANT.	CANT.
2	2	2	1

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Piezas de plástico

Cortar las piezas de plástico cuando sea necesario. Procurar no cortarlas antes de tiempo.

Consejos

Antes de proceder al montaje, cortar las rebabas.

Montaje mecánico

1 Correcto / Incorrecto. Diagrams showing correct and incorrect ways to insert the antenna (P8) into the body (A1).

2 Diagram showing the correct way to insert the red gear (P3) and the short axle (P9) into the body (A3).

3 Correcto / Incorrecto. Diagrams showing correct and incorrect ways to insert the white pinion (P2) into the body (A3).

4 Diagram showing the correct way to insert the solar panel (P7) into the body (B3).

5 Correcto / Incorrecto. Diagrams showing correct and incorrect ways to insert the solar panel (P7) into the body (B3).

6 **PASO 1** Diagram showing the correct way to insert the orange gear (P4) into the body (B3).

PASO 2 Correcto / Incorrecto. Diagrams showing correct and incorrect ways to insert the orange gear (P4) into the body (B3).

PASO 3 Diagram showing the correct way to insert the blue gear (P5) into the body (B3).

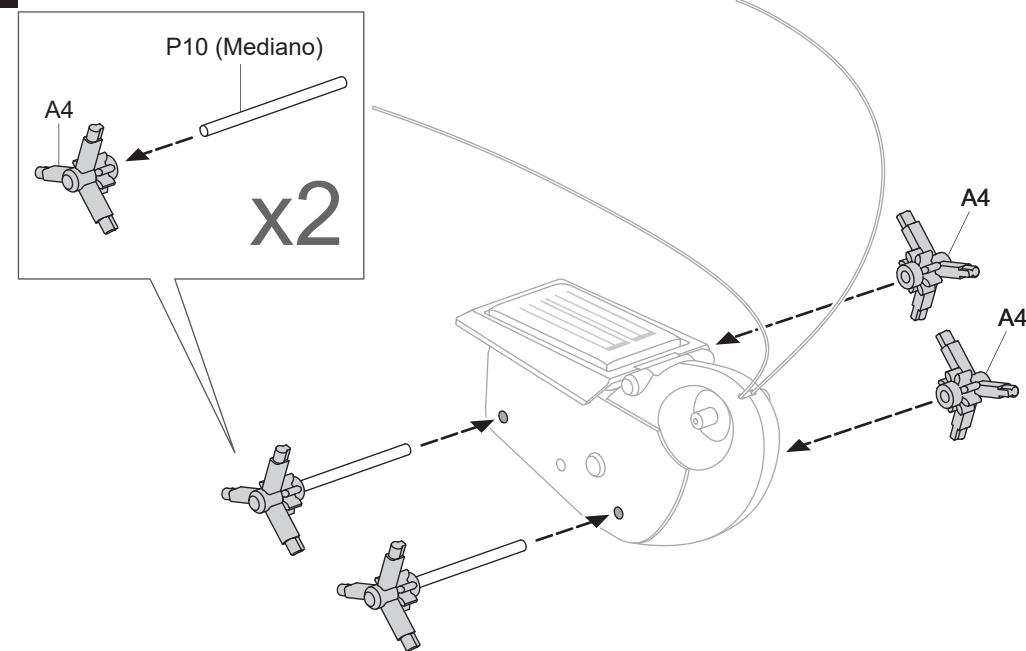
PASO 1 Diagram showing the correct way to insert the red gear (P3) into the body (B3).

PASO 2 Diagram showing the correct way to insert the red gear (P3) into the body (B3).

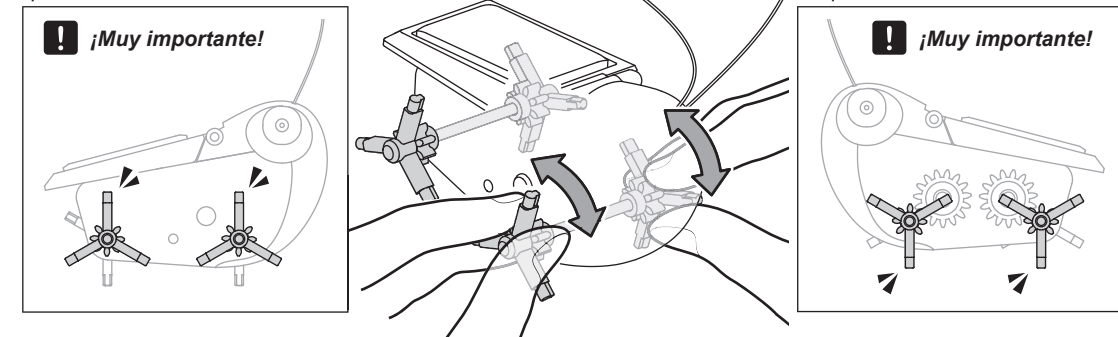
PASO 3 Diagram showing the correct way to insert the red gear (P3) into the body (B3).

Antes de proceder al montaje, cortar las rebabas de B4 y B5.

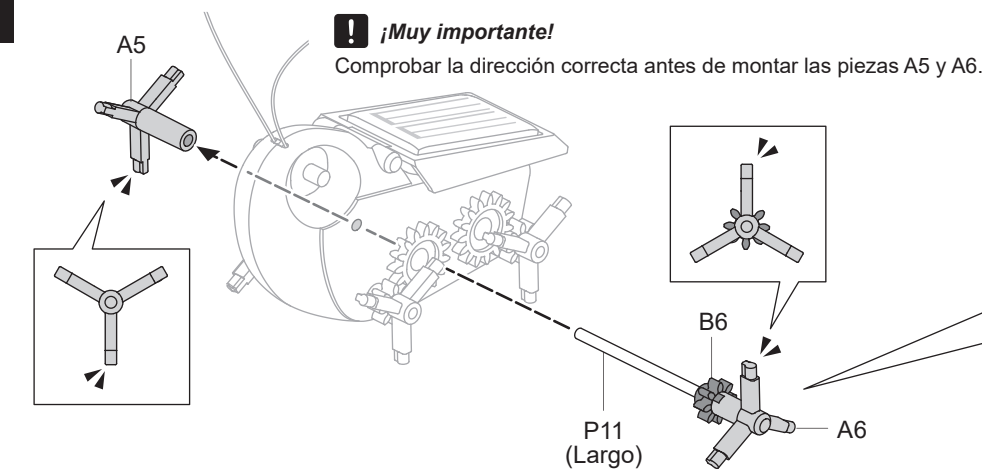
7



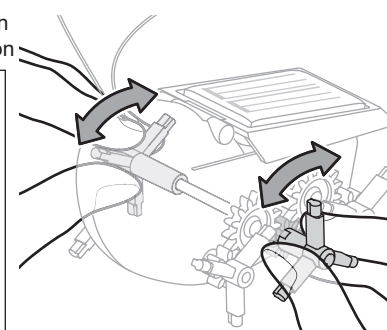
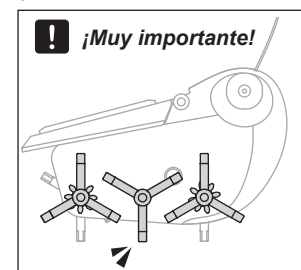
Colocar los pies en la dirección que se muestra en la ilustración



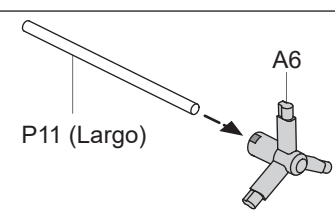
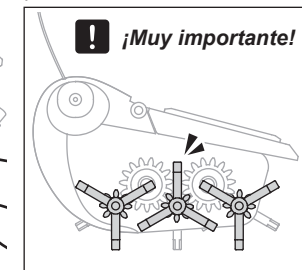
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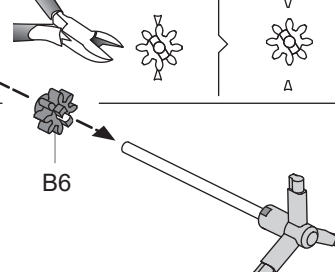
Colocar los pies en la dirección que se muestra en la ilustración



Colocar los pies en la dirección que se muestra en la ilustración



! Antes de proceder al montaje, cortar las rebabas de B6.



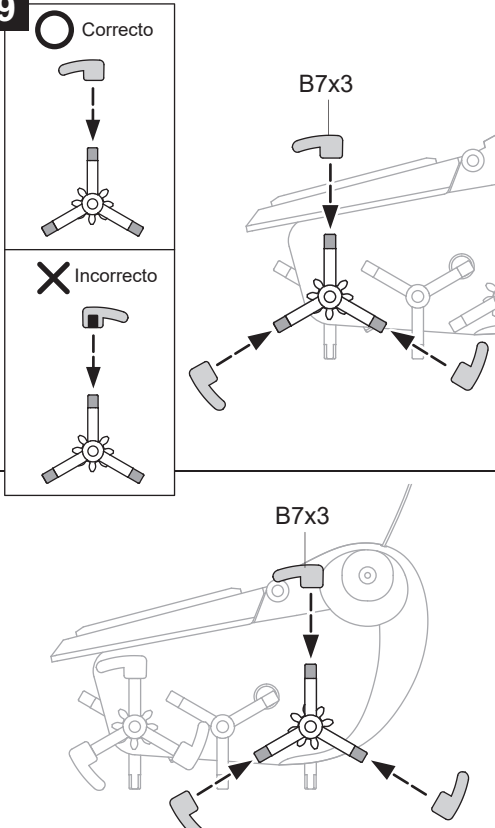
☒ Correcto

Vista desde abajo

☒ Correcto

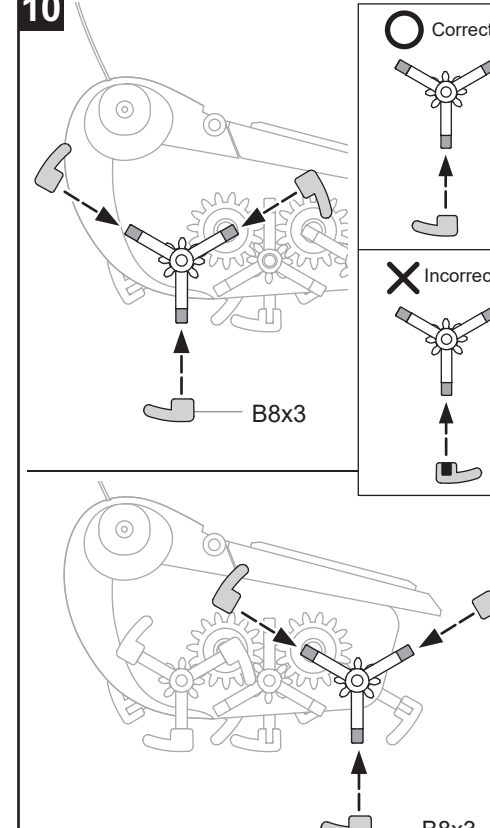
✘ Incorrect

9



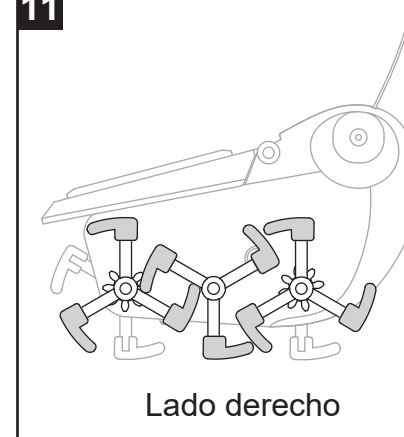
B7x3

10

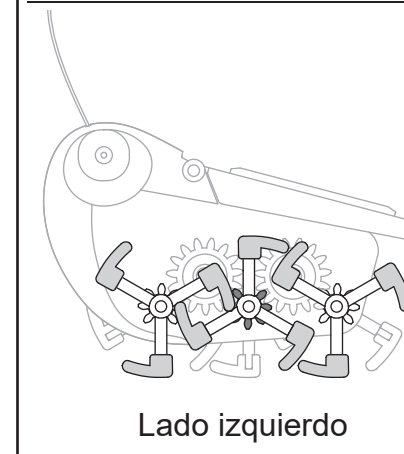


B8x3

11

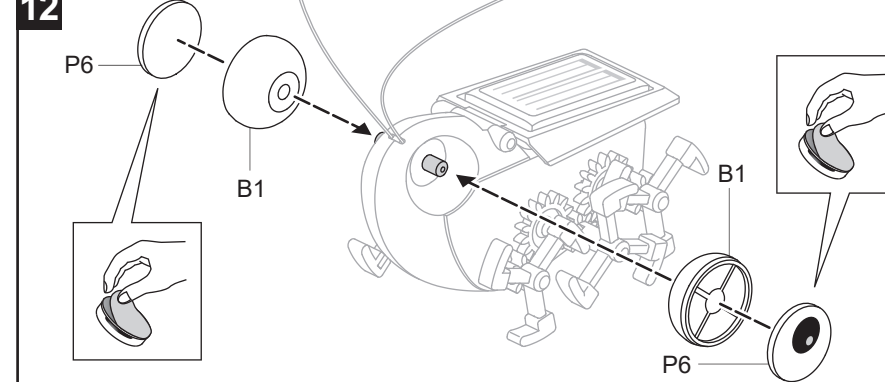


Lado derecho

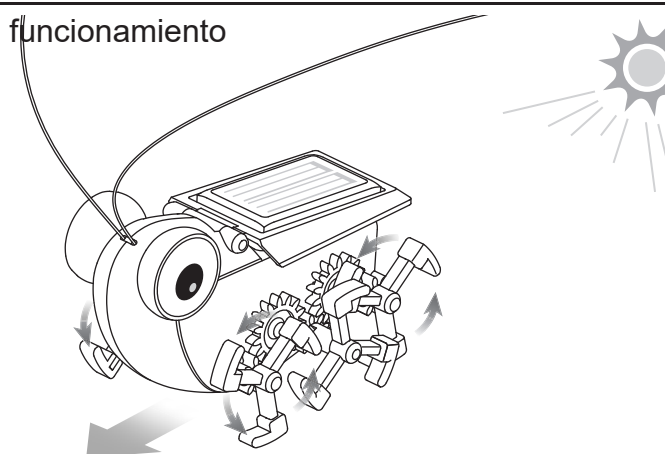


Lado izquierdo

12



13 Puesta en funcionamiento



¡A divertirse!



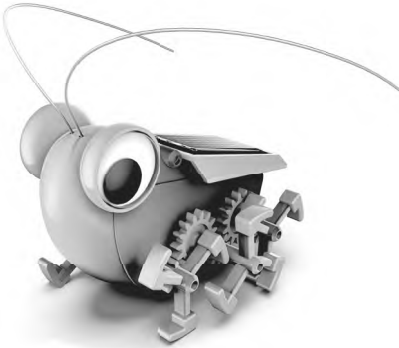
1. Ponerlo en el exterior, directamente expuesto a la luz solar.
Funciona mejor cuando hace sol.
2. Para jugar dentro de casa, usar una lámpara halógena de 50 W.
El producto no funciona cuando está nublado, en espacios a la sombra, sin luz solar directa o iluminados con luz fluorescente.

SOLAR BUG

Solar bug is ideaal voor een doe-het-zelf wetenschapsbeurs, naschoolse activiteit of project tijdens een zomerworkshop, met als bonus dat je meer leert over de theorie die achter mechanische transmissie en elektromotoren schuilt.

Met slechts 51 onderdelen is het een prachtige tool voor enthousiaste beginners vanaf 8 jaar, en een startpunt voor talrijke leuke leermogelijkheden.

Dankzij direct zonlicht blijft deze bug rondspringen met meer kracht dan je je kunt voorstellen.



Gereedschap dat je nodig hebt



Zijsnijtang

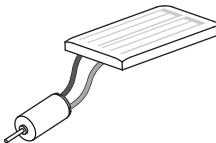
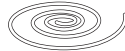


WAARSCHUWING:
VERSTIKKINGSGEVAAR
Kleine onderdelen
Niet geschikt voor
kinderen jonger dan 3 jaar



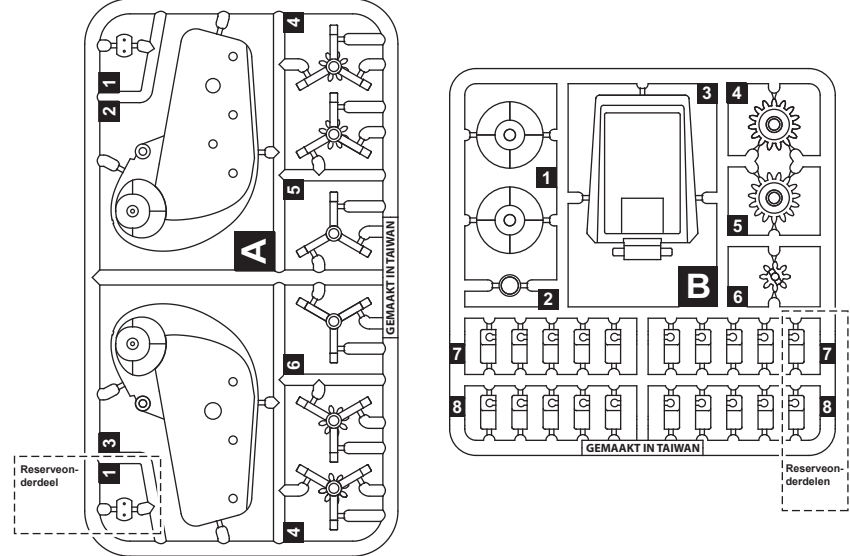
Lijst met mechanische onderdelen

! Product bevat functionele randen en scherpe punten.

P1	Zonnepaneel met motor	P2	Rondsel (Wit)	P3	Tandwiel (Rood)		
	Hoeveelheid 1		Hoeveelheid 1		Hoeveelheid 1		
! Sluit de draden niet aan op het lichtnet.							
P4	Tandwiel (Oranje)	P5	Tandwiel met as (Blauw)	P6	Ogen	P7	Spons
	Hoeveelheid 2		Hoeveelheid 2		Hoeveelheid 2		Hoeveelheid 1
P8	Antenne	P9	Ronde as (Kort)	P10	Ronde as (Midden)	P11	Ronde as (Lang)
	Hoeveelheid 2		Hoeveelheid 2		Hoeveelheid 2		Hoeveelheid 1

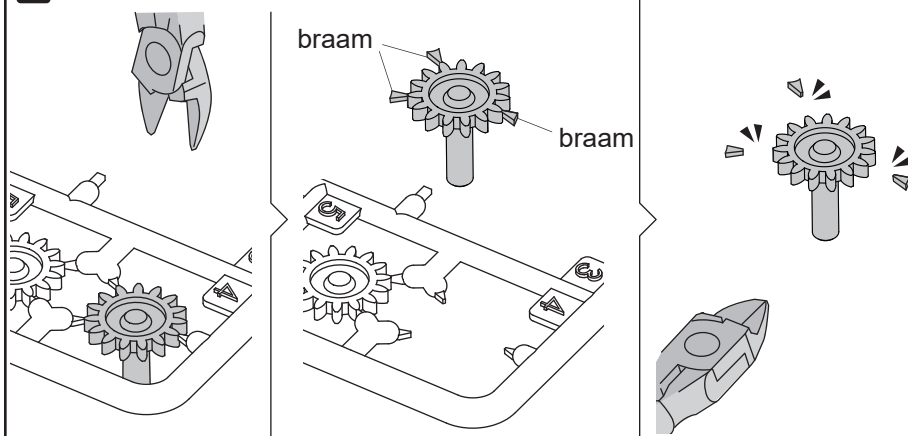
Plastic onderdelen

! Snijd de plastic onderdelen pas wanneer je ze nodig hebt. Snijd ze niet van tevoren.

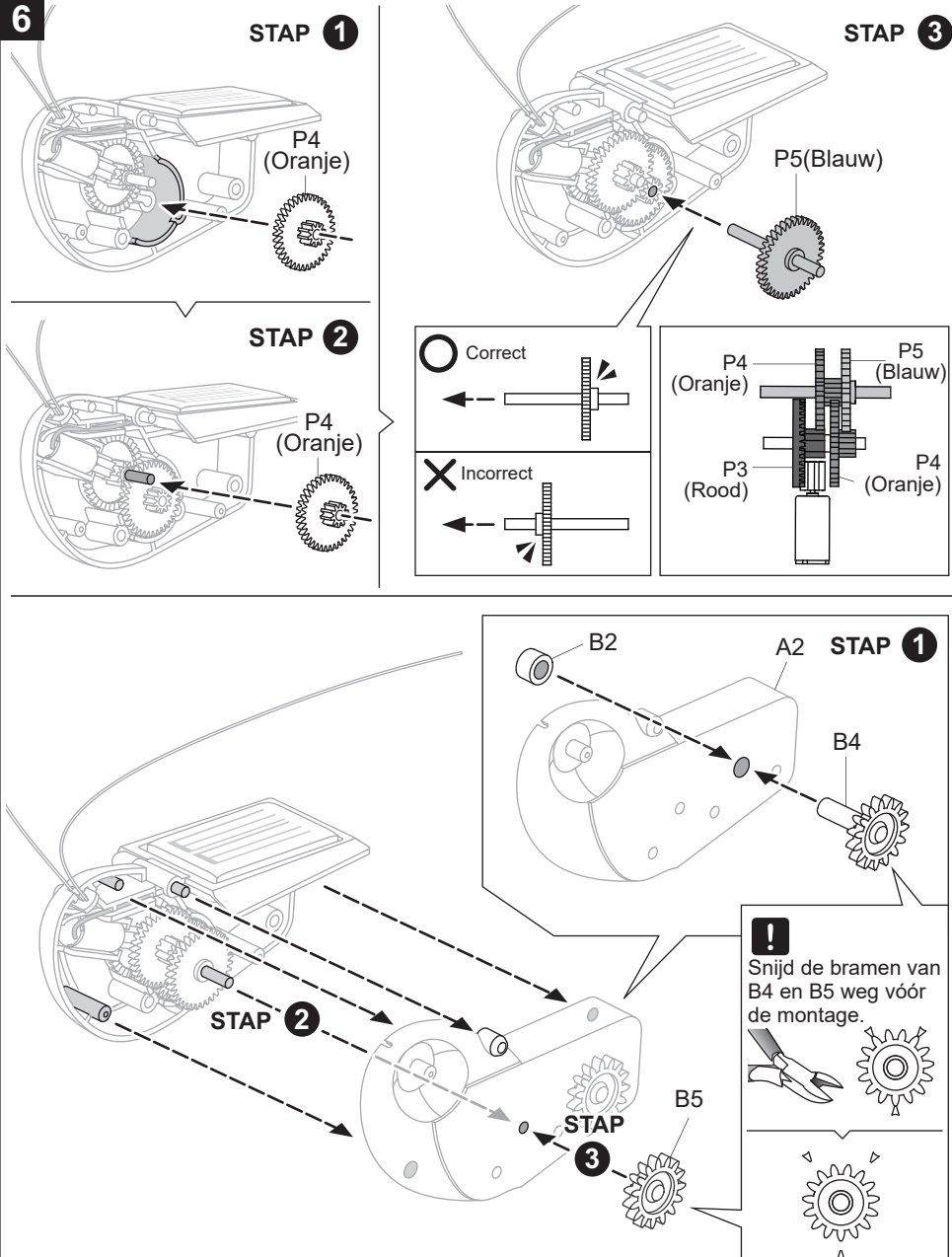
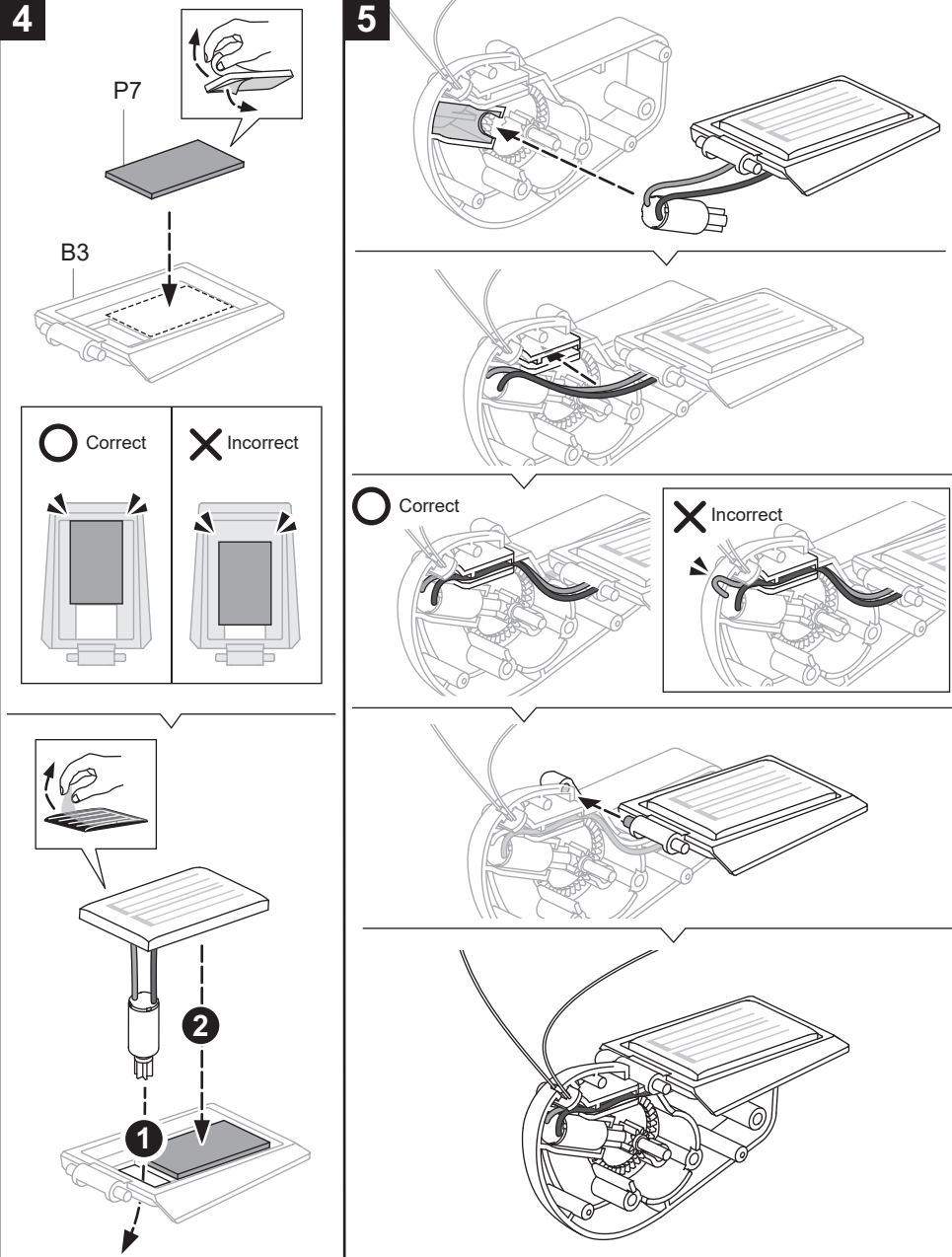
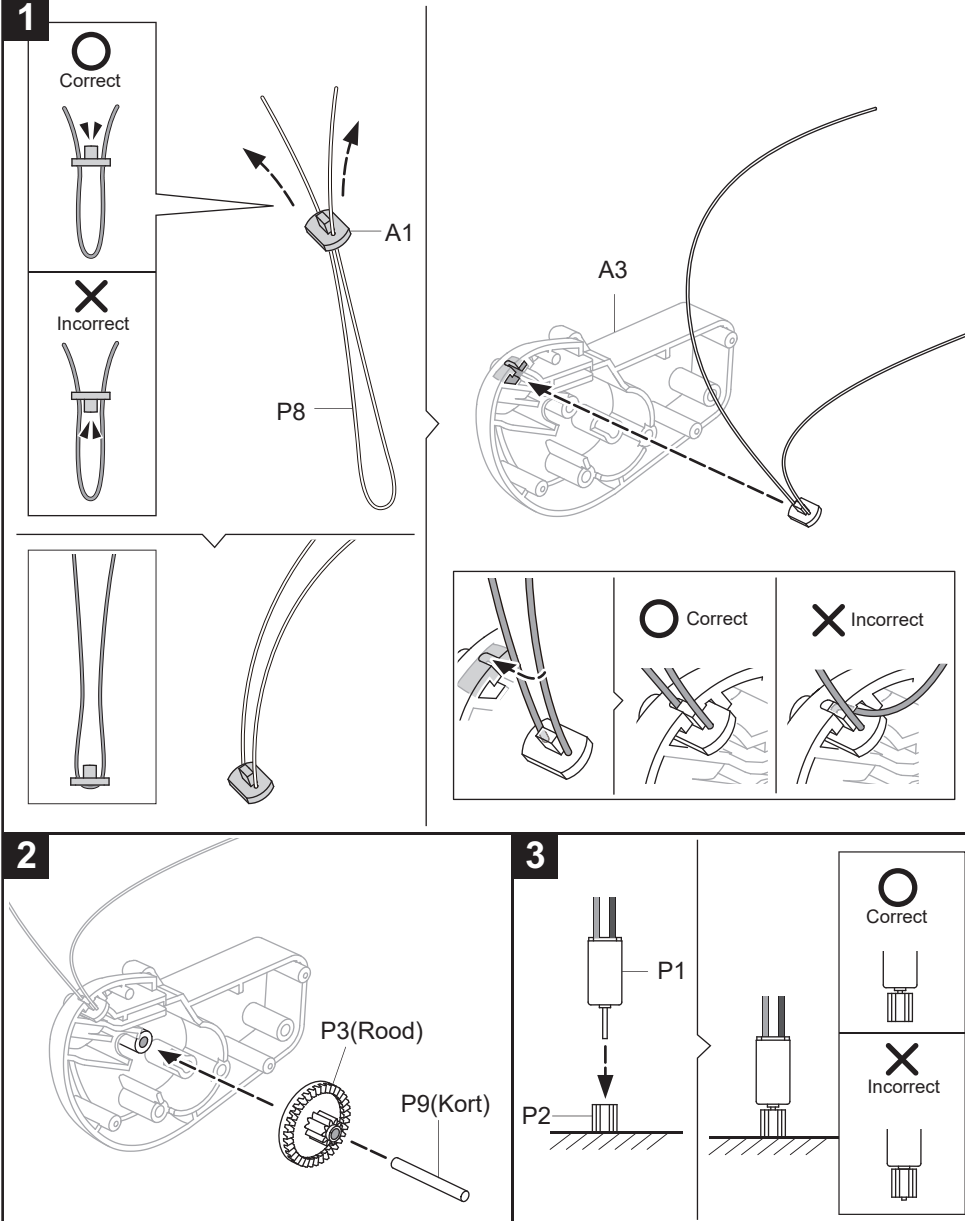


Tips

! Snijd de bramen weg vóór de montage.



Mechanische assemblage



7

A4 P10(Midden) x2

Laat de voeten in de getoonde richting wijzen

! Zeer belangrijk!

Laat de voeten in de getoonde richting wijzen

! Zeer belangrijk!

8

! Zeer belangrijk!
Let op de juiste richting vóór de montage van A5 & A6.

A5 P11(Lang) B6 A6

Laat de voeten in de getoonde richting wijzen

! Zeer belangrijk!

Laat de voeten in de getoonde richting wijzen

! Zeer belangrijk!

Onderaanzicht

Correct

Incorrect

9

Correct

Incorrect

B7x3

10

Correct

Incorrect

B8x3

11

Rechterzijde

Linkerkant

12

P6 B1

13 Actief

Het is tijd voor wat FUN!

ZONNIG
Volle energie

IN HUIS
50W & HOGER
Halogeen
Probeer mij

BEWOLKT
Laag vermogen

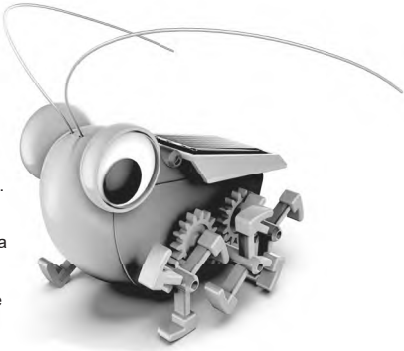
1. Neem de bug mee naar buiten en plaats hem in direct zonlicht. De bug boekt de beste resultaten wanneer hij wordt gebruikt op een zonnige dag.
2. Gebruik een halogeenlamp van 50 watt voor nog meer pret binnenshuis. Het product zal niet werken op een bewolkte dag, op locaties in de schaduw, bij indirect zonlicht of onder kunstlicht.

GAFANHOTO SOLAR

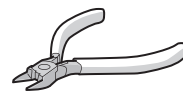
O gafanhoto solar é ideal para um projeto de bricolage na feira de ciências, depois da escola ou numa oficina de Verão, com a vantagem de aprender a teoria da transmissão mecânica e dos motores elétricos.

Com apenas 51 peças para montar, é um instrumento fantástico para os entusiastas e principiantes a partir dos 8 anos de idade, e uma porta de entrada para dar início a oportunidades de aprendizagem divertida.

Com a luz direta do sol, este pequeno inseto continuará a pavonear-se cada vez com mais vigor do que alguma vez poderia imaginar.



Ferramentas de que pode necessitar



Turquês

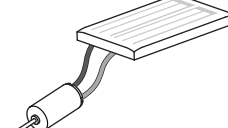
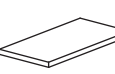


ADVERTÊNCIA:
PERIGO DE ASFIXIA
Peças pequenas
Não aconselhável a crianças
com idade inferior a 3 anos



Lista de peças mecânicas

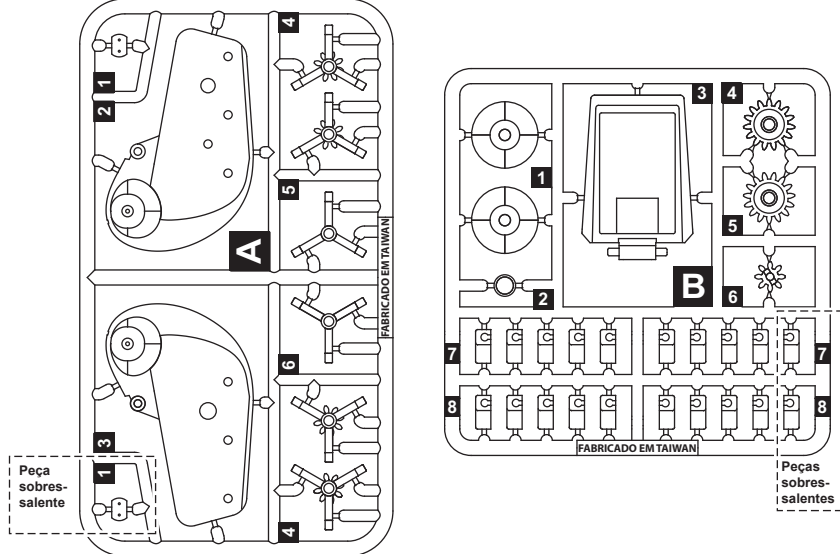
! O produto contém arestas funcionais e pontas afiadas.

P1	Painel solar com motor	QTD	P2	Engrenagem de pinhão (branco)	QTD	P3	Engrenagem (vermelho)	QTD
	1			1			1	
! Não ligar os fios à rede elétrica.								
P4	Engrenagem (cor de laranja)	QTD	P5	Engrenagem com veio (azul)	QTD	P6	Olhos	QTD
	2			2			2	
P7	Esponja	QTD	P8	Antena	QTD	P9	Eixo redondo (curto)	QTD
	1			2			2	
P10	Eixo redondo (médio)	QTD	P11	Eixo redondo (comprido)	QTD			
	2			1				

4350006831A

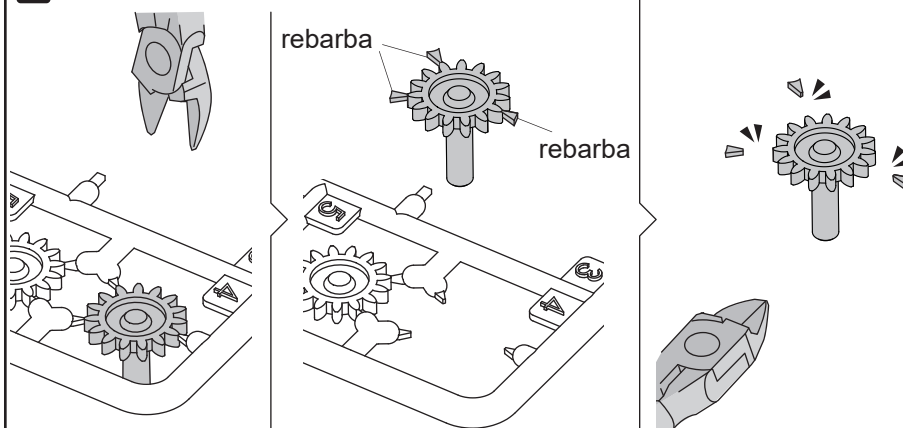
Peças de plástico

! Corte as peças de plástico quando for necessário. Não as corte antecipadamente.

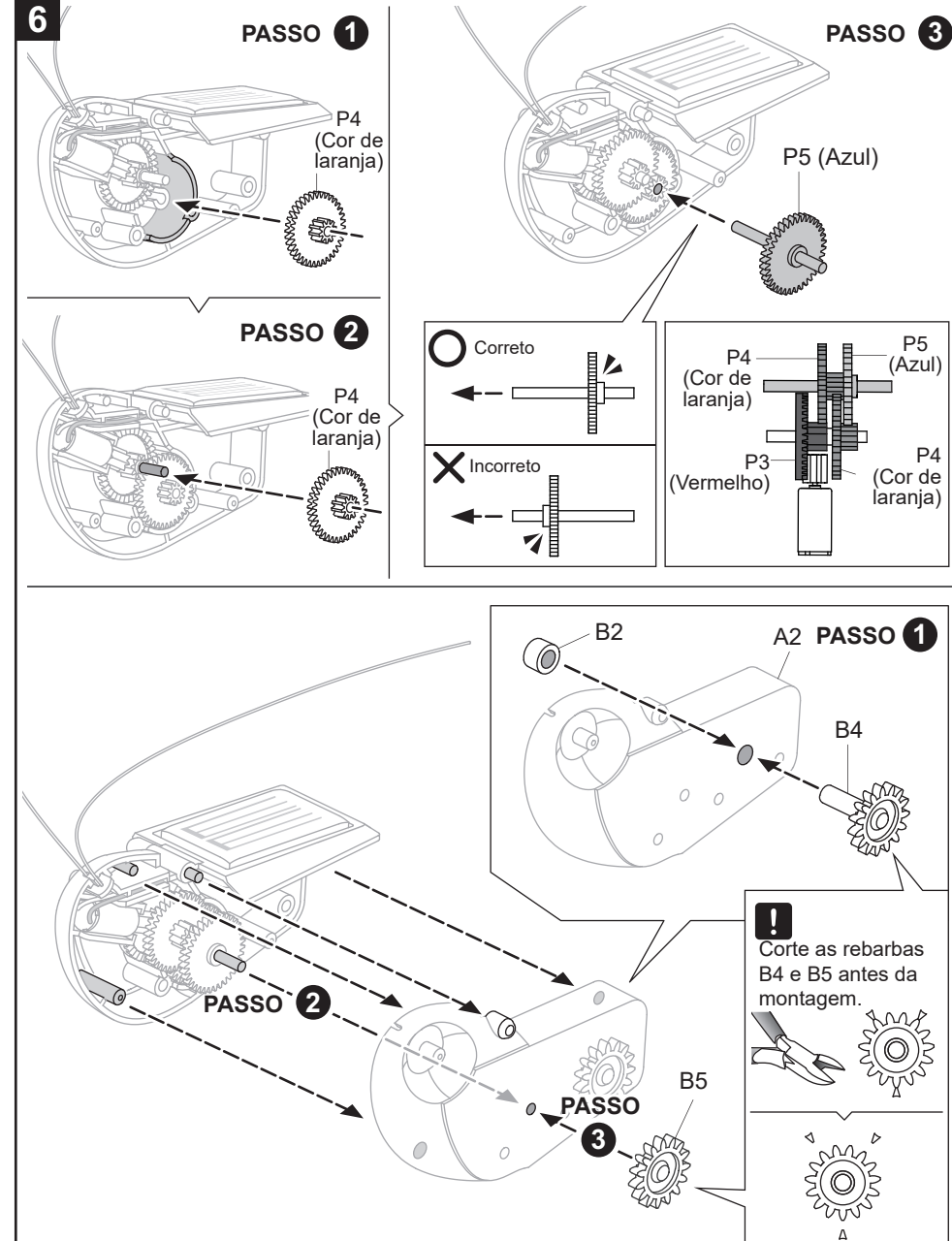
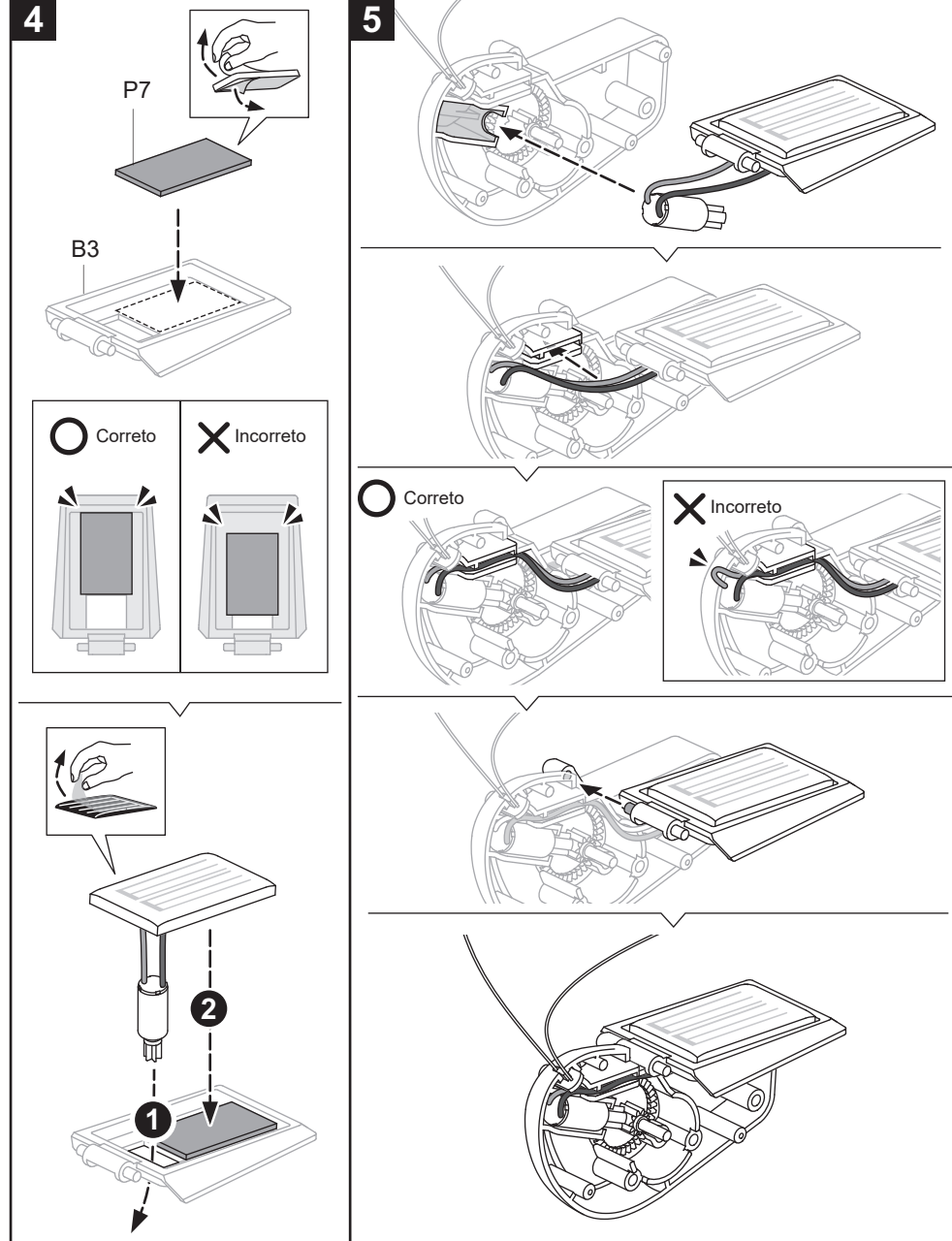
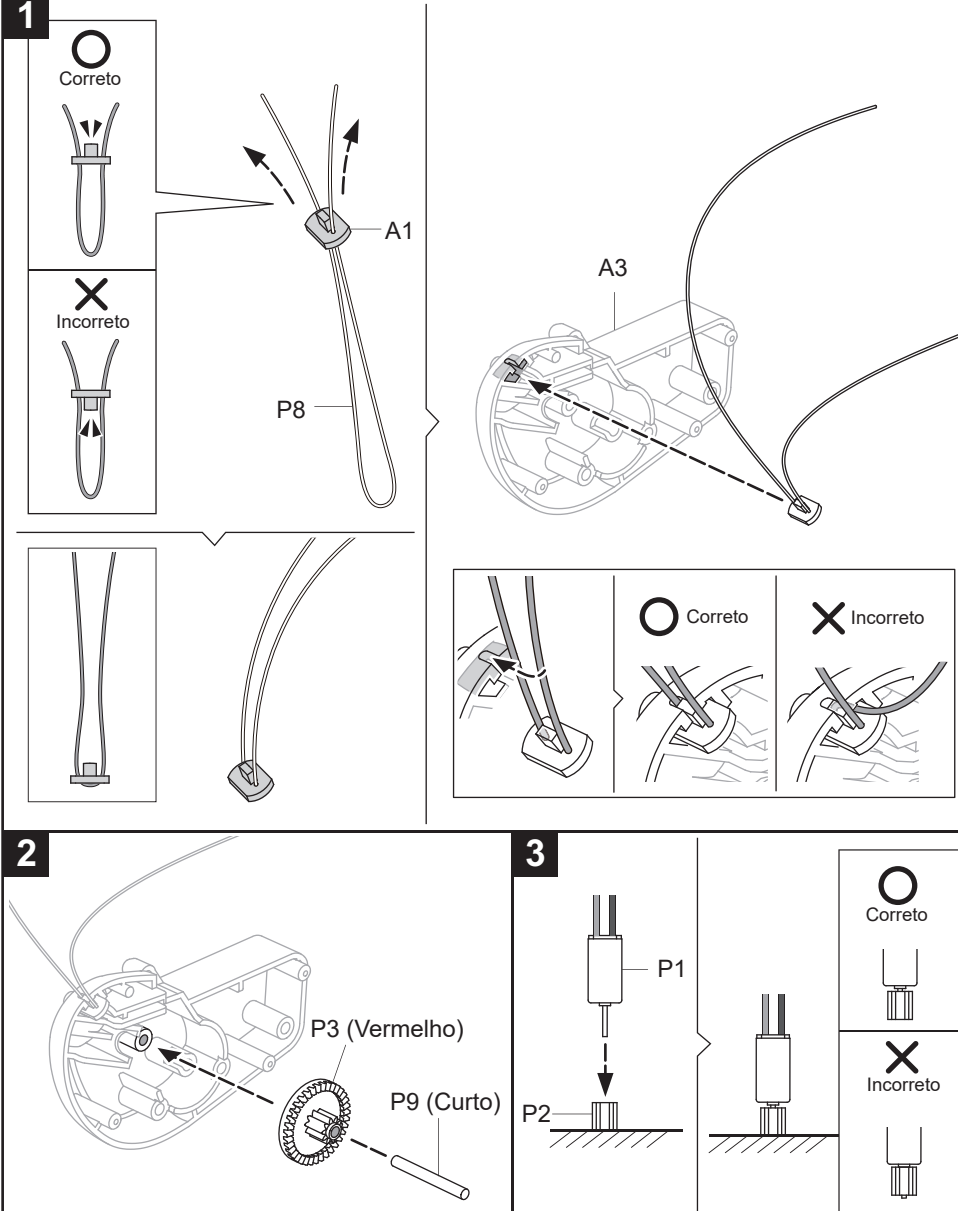


Sugestões

! Corte as rebarbas antes da montagem.



Montagem mecânica



7

P10 (Médio)

A4

x2

Aponte os pés na direção ilustrada

! Muito importante!

Aponte os pés na direção ilustrada

! Muito importante!

8

! Muito importante!
Certifique-se de que está na direção certa antes de montar a A5 e a A6.

A5

A6

P11 (Comprido)

B6

Aponte os pés na direção ilustrada

! Muito importante!

Aponte os pés na direção ilustrada

! Muito importante!

Corte as rebarbas B6 antes da montagem.

B6

Correto

Incórrto

Vista de baixo

Correto

Incórrto

9

Correto

Incórrto

B7x3

B7x3

B7x3

10

Correto

Incórrto

B8x3

B8x3

B8x3

11

Lado direito

Lado esquerdo

12

P6

B1

B1

P6

13 A funcionar

É altura de nos divertirmos!

COM SOL

EM CASA

COM NUVENS

1. Leve para o exterior e coloque sob a luz direta do sol. Obtêm-se excelentes resultados quando a operação é efetuada num dia de sol.

2. Para a diversão no interior, utilize uma lâmpada de halogéneo de 50 W. O produto não funcionará em dias nublados, locais com sombra, luz solar indireta ou sob uma luz fluorescente.