

HYDRAULIC ROBOT ARM

BRAS ROBOT HYDRAULIQUE



HYDRAULISCHER
ROBOTERARM

HYDRAULISCHE
ROBOTARM

HIDRÁULICO
BRAZO ROBÓTICO

IDRAULICO BRACCIO
ROBOT

10+

Buki
France
SCIENCES

P1

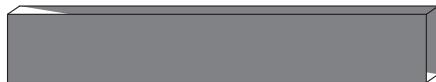
x9

**P2**

x28

**P3**

x1

**P4**

x1

**P5**

x10

**P6**

x5

**P7**

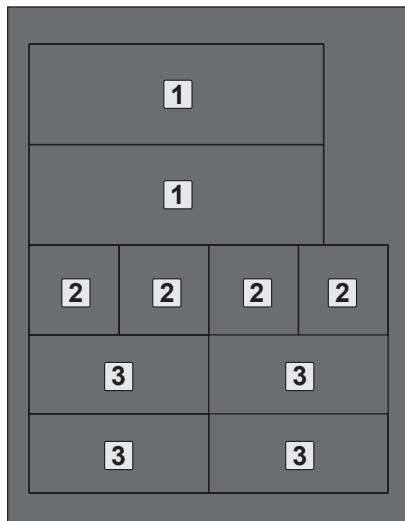
x6

**P8**

x1

**P9**

x1

**P10**

x5

**P11**

x1

**P12**

x1

**P13**

x1



x1

P14

P15

x1



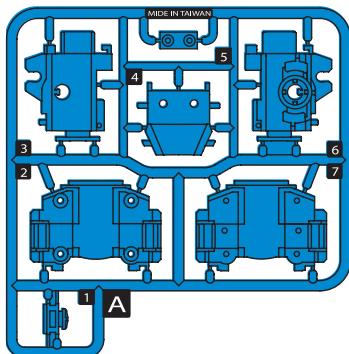
| | | |
|---|---|--|
| P1 – Vis (courte) (9 pcs) P2 – Vis (longue) (28 pcs) P3 – Barre de fer (courte) P4 – Barre de fer (longue) P5 – Plaquette de frein (10 pcs) P6 – Capuchon (petit) (5 pcs) P7 – Capuchon (gros) (6 pcs) P8 – Ventouse P9 – Revêtement P10 – Ressort (très court) (5 pcs) P11 – Ressort (court) (1 pc) P12 – Ressort (moyen) (1 pc) P13 – Ressort (long) (1 pc) P14 – Tube (5 pcs) P15 – Huile | P1 – Screw (short) (x9) P2 – Screw (long) (x28) P3 – Iron bar (short) P4 – Iron bar (long) P5 – Brake pad (x10) P6 – Cap (small) (x5) P7 – Cap (large) (x6) P8 – Suction cup P9 – Gripper pads P10 – Spring (very short) (x5) P11 – Spring (short) (x1) P12 – Spring (medium) (x1) P13 – Spring (long) (x1) P14 – Tube (x5) P15 – Oil | P1 – Kurze Schraube (9 Stück) P2 – Lange Schraube (28 Stück) P3 – Eisenstange (kurz) P4 – Eisenstange (lang) P5 – Bremsaufsatz (10 Stück) P6 – Kappe (klein) (5 Stück) P7 – Kappe (groß) (6 Stück) P8 – Saugnapf P9 – Verkleidung P10 – Feder (sehr kurz) (5 Stück) P11 – Feder (kurz) (1 Stück) P12 – Feder (mittel) (1 Stück) P13 – Feder (lang) (1 Stück) P14 – Rohr (5 Stück) P16 – Öl |
| P1 - Schroef (kort) (9 stuks) P2 - Schroef (lang) (28 stuks) P3 - IJzeren staaf (kort) P4 - IJzeren staaf (lang) P5 - Remblokje (10 stuks) P6 - Afsluitdop (klein) (5 stuks) P7 - Afsluitdop (groot) (6 stuks) P8 - Zuignap P9 - Bekleding P10 - Veer (zeer kort) (5 stuks) P11 - Veer (kort) (1 stuk) P12 - Veer (midden) (1 stuks) P13 - Veer (lang) (1 stuk) P14 - Buis (5 stuks) P15 - Olie | P1 - Surub (scurt) (x9) P2 - Surub (lung) (x28) P3 - Bara de fier (scurt) P4 - Bara de fier (lungă) P5 - Placuta de frana (x10) P6 - Capac (mic) (x5) P7 - Capac (mare) (x6) P8 - ventuza P9 - placute cu prindere P10 - Arc (foarte scurt) (x5) P11 - Arc (scurt) (x1) P12 - Arc (medie) (x1) P13 - Arc (lungă) (x1) P14 - Tub (x5) P15 - Ulei | P1 – Vite (corta) (9 pezzi) P2 – Vite (lunga) (28 pezzi) P3 – Barra di ferro (corta) P4 – Barra di ferro (lunga) P5 – Pastiglia dei freni (10 pezzi) P6 – Tappo (piccolo) (5 pezzi) P7 – Tappo (grande) (6 pezzi) P8 – Ventosa P9 – Rivestimento P10 – Molla (molto corta) (5 pezzi) P11 – Molla (corta) (1 pezzo) P12 – Molla (media) (1 pezzo) P13 – Molla (lunga) (1 pezzo) P14 – Tubo (5 pezzi) P15 – Olio |

PIESE DETASABILE

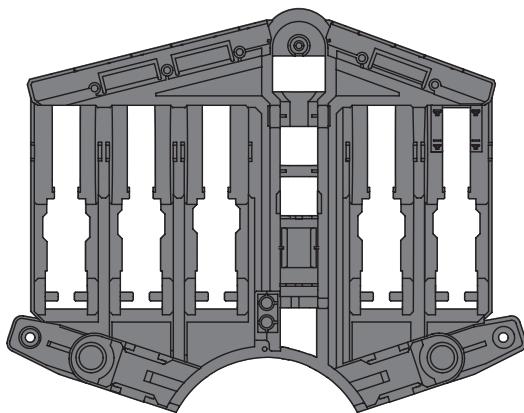
FR A DÉTACHER AU FUR ET À MESURE
EN DETACH AS NEEDED
DE WÄHREN DER MONTAGE HERAUSTRENNEN

NL OM GELEIDELIJK AAN LOS TE MAKEN
RO DETASATI PIESELE NECESARE
IT DA STACCARE MANO A MANO

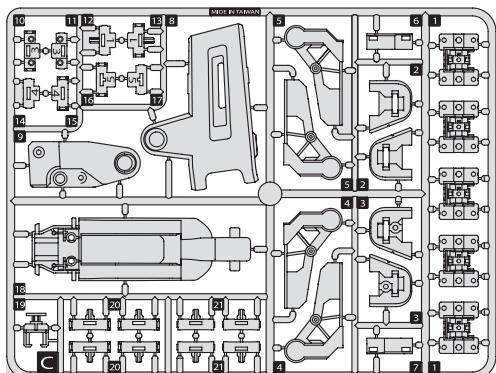
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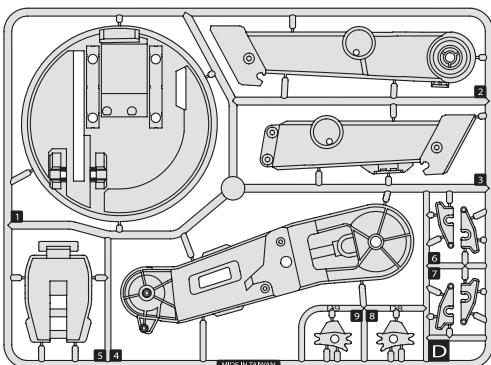
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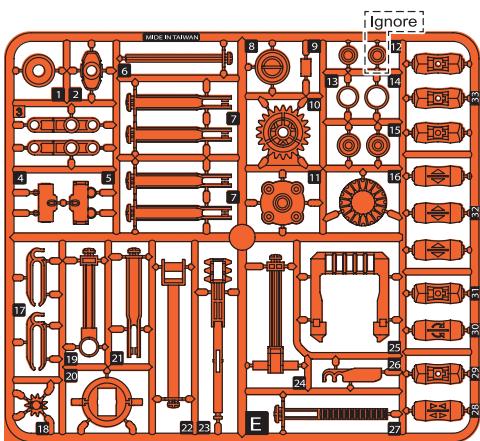
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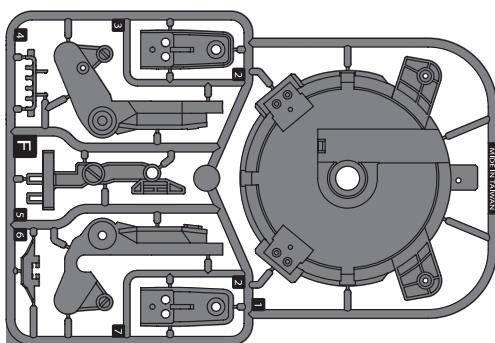
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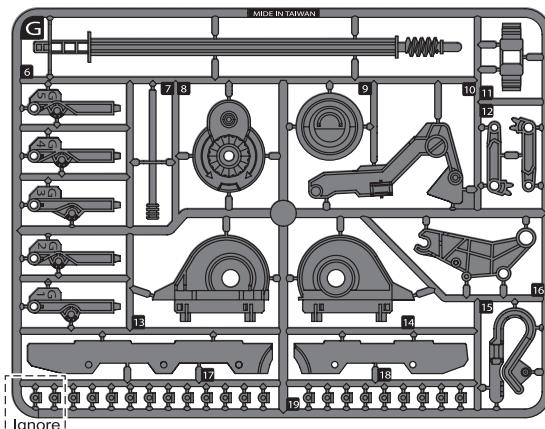
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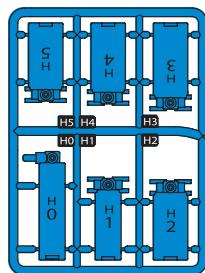
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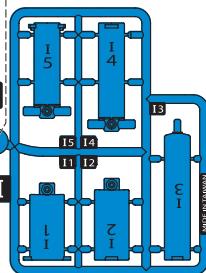
G



H



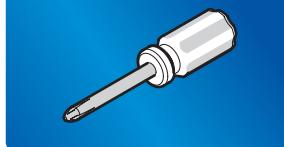
I



ALTE UTELTE NECESARE



FR PINCE COUPANTE
EN PLIERS
DE KNEIFZANGE
NL KNIPSTANG
RO CLESTE
IT PINCE COUPANTE



FR TOURNEVIS
EN SCREWDRIVER
DE SCHRAUBENDREHER
NL SCHROEVENDRAAIER
RO ȘURUBELNIȚĂ
IT CACCIAVITE



FR CISEAUX
EN SCISSORS
DE SCHERE
NL SCHAAR
RO FOARFECA
IT FORBICI



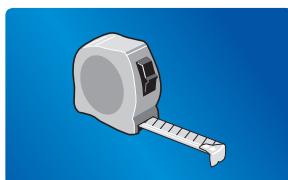
FR MARQUEUR
EN MARKER
DE MARKER
NL VILTSTIFT
RO MARKER
IT PENNARELLO



FR ESSUIE-TOUT
EN KITCHEN TOWEL
DE KÜCHENPAPIER
NL KEUKENROL
RO PROSOP DE BUCĂTARIE
IT CARTA ASSORBENTE



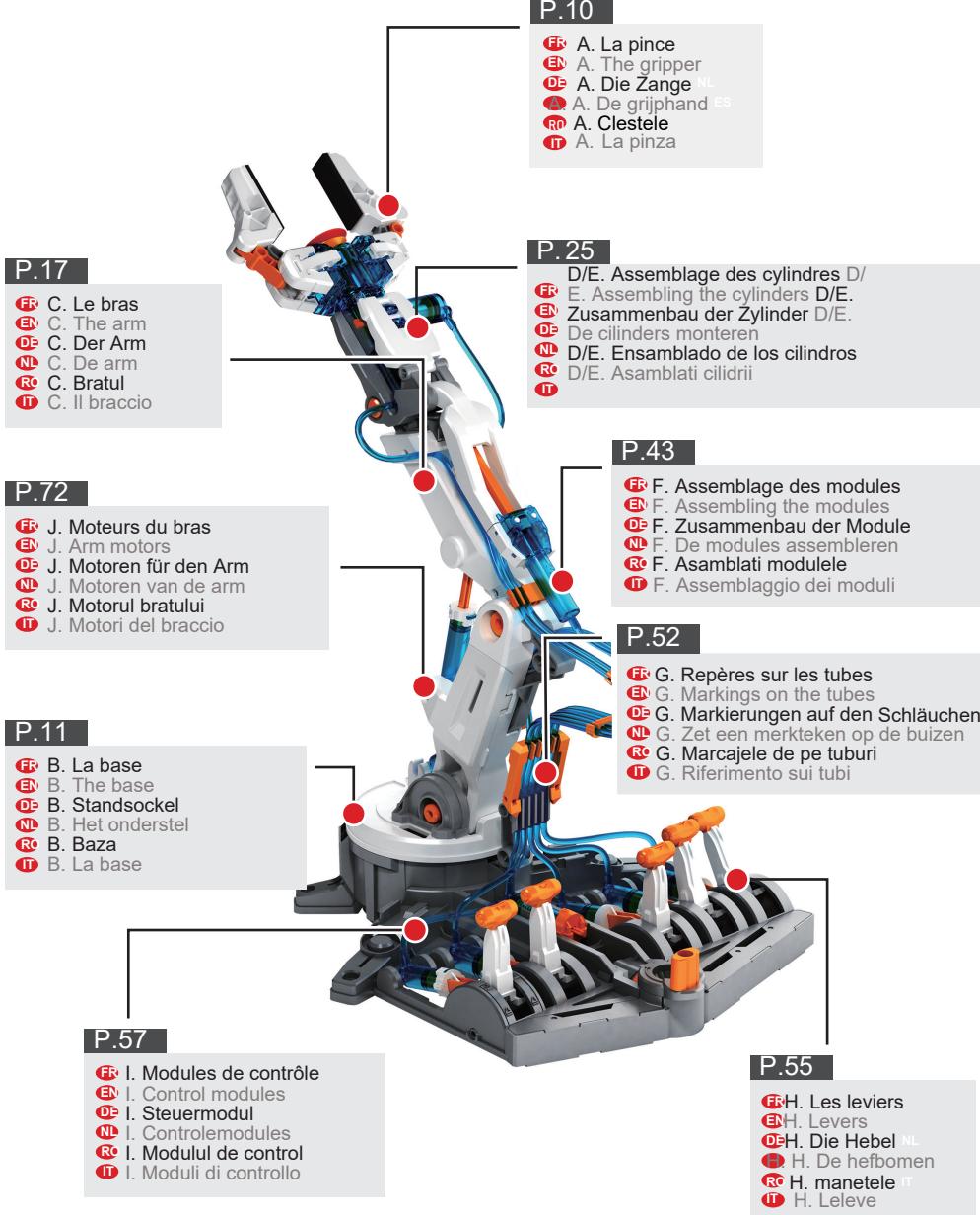
FR VERRE
EN GLASS
DE GLAS
NL EEN GLAS
RO PAHAR
IT BICCHIERE

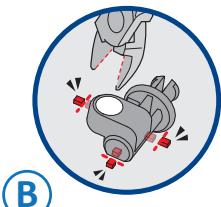


FR MÈTRE DÉROULANT
EN MEASURING TAPE
DE MASSBAND
NL ROLMAAT
RO RULETA
IT FLESSOMETRO

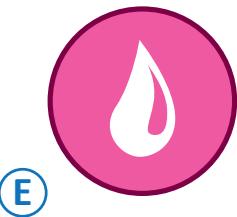


FR RÈGLE
EN RULER
DE LINEAL
NL MEETLAT
RO RIGLA
IT RIGA

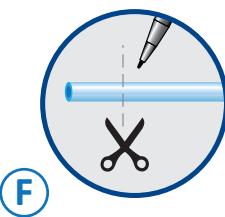


**A****B****C****D**

- FR** **A** Lis attentivement les instructions et respecte l'ordre des étapes de montage.
- B** Détache les pièces au fur et à mesure. Coupe les attaches avant d'assembler.
- C** Ce logo te conseille de demander l'aide d'un adulte pour réussir une étape.
- D** Ce logo attire ton attention sur une étape ou une information importante à ne pas louper.
- DE** **A** Lies die Anleitung aufmerksam und folge genau der Reihenfolge der Schritte.
- B** Löse während der Montage die Teile nacheinander heraus. Schneide die Befestigungsstücke vor dem Zusammenbau ab.
- C** Dieses Logo zeigt dir, wenn du für einen Schritt einen Erwachsenen um Hilfe bitten solltest.
- D** Dieses Logo macht dich auf einen Schritt oder eine wichtige Information aufmerksam, die unbedingt zu beachten ist.
- RO** **A** Cititi cu atenție instrucțiunile și urmăriți pașii de montare în ordinea corectă.
- B** Detasati piesele de care aveți nevoie. Elimină elementele din plastic înainte de montare.
- C** Acest simbol recomanda ajutorul unui adult.
- D** Acest simbol atrage atenția asupra unui pas important sau a unei informații ce trebuie urmată.
- EN** **A** Read the instructions carefully and follow the assembly steps in the right order.
- B** Detach the parts as you need them. Remove the plastic lugs before assembly.
- C** This logo advises you to ask an adult for help to complete a step.
- D** This logo draws your attention to an important step or piece of information that must be followed.
- NL** **A** Lees aandachtig de instructies en respecteer de volgorde van de montagefases.
- B** Maak de stukjes los naarmate je werk vordert. Snij de haakjes los vooraleer je de stukken monteert.
- C** Dit logo betekent dat je best hulp vraagt aan een volwassene om een fase af te werken.
- D** Dit logo vestigt je aandacht erop dat een fase of informatie belangrijk is en je die zeker niet mag overslaan.
- IT** **A** Leggi attentamente le istruzioni e rispetta l'ordine delle fasi di montaggio.
- B** Stacca i pezzi di volta in volta. Taglia le parti di fissaggio prima di assemblare.
- C** Questo singolo ti consiglia di chiedere l'aiuto ad un adulto per portare a termine una fase.
- D** Questo simbolo attira la tua attenzione su una fase o un'informazione importante che non deve essere saltata o ignorata.



E



F

- FR** **E** Certaines pièces doivent être huilées. Sois très précautionneux et respecte les étapes. Tout est expliqué à la page 25.
- F** Les tubes fournis devront être coupés. Suis bien les étapes de la page 42.

- DE** **E** Einige Teile müssen geölt werden. Gehe dabei sehr vorsichtig und in der Reihenfolge aller Schritte vor. Alles ist auf Seite 25 erklärt.
- E** Die mitgelieferten Rohre müssen zugeschnitten werden. Folge dafür den Schritten auf der Seite 42.

- RO** **E** Unele piese trebuie unse. Fiti foarte atenti si efectuați pași în ordinea corecta. Totul este explicat la pagina 25.

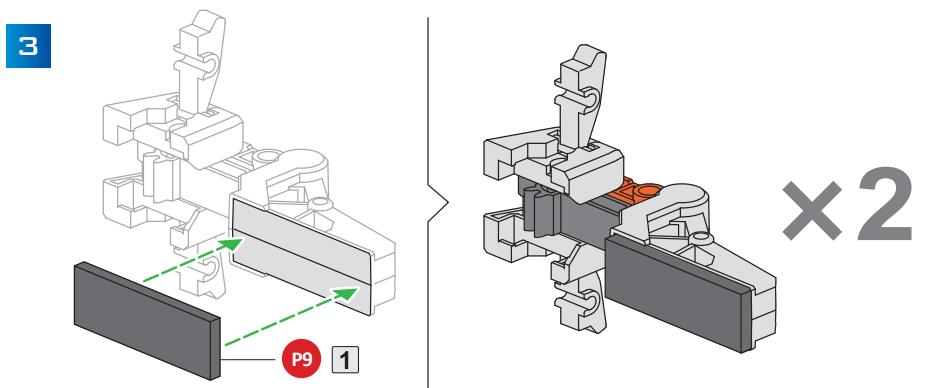
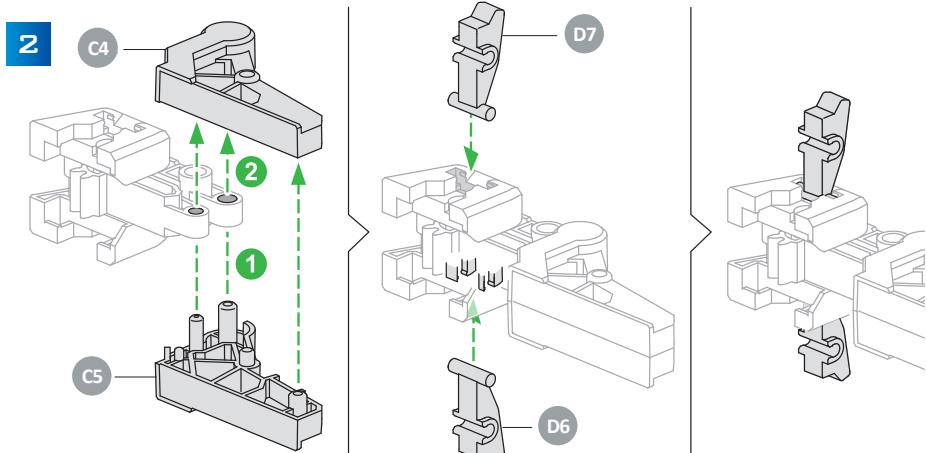
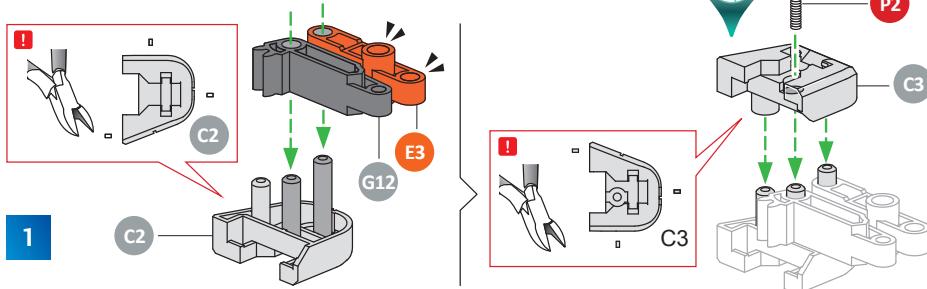
- F** Tururile incluse trebuie tăiate. Urmati cu atentie pașii de la pagina 42.

- EN** **E** Certain parts need to be oiled. Be very careful and follow the steps in order. Everything is explained on page 25.
- F** The tubes supplied need to be cut. Carefully follow the steps on page 42.
- NL** **E** Bepaalde onderdelen moeten vaak worden geolied. Doe dit heel voorzichtig en volg de verschillende stappen. De uitleg vind je op bladzijde 25.
- F** Je zal de buizen uit het pakket moeten doorsnijden. Volg hierbij goed de verschillende stappen op bladzijde 42.

- IT** **E** Alcuni pezzi devono essere lubrificati. Usa molta precauzione e rispetta i passaggi. È tutto spiegato a pagina 25.
- F** I tubi forniti devono essere tagliati. Segui bene i passaggi che si trovano a pagina 42.

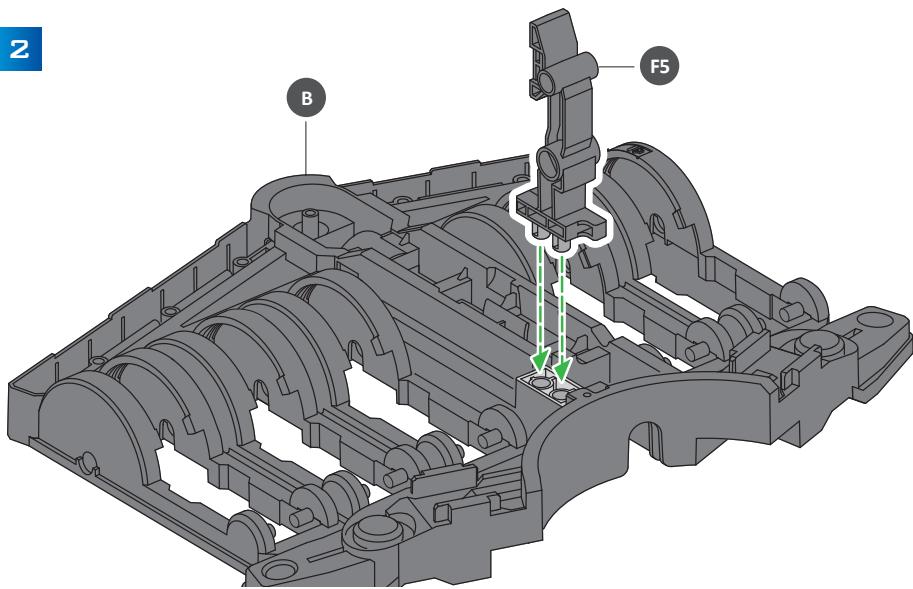
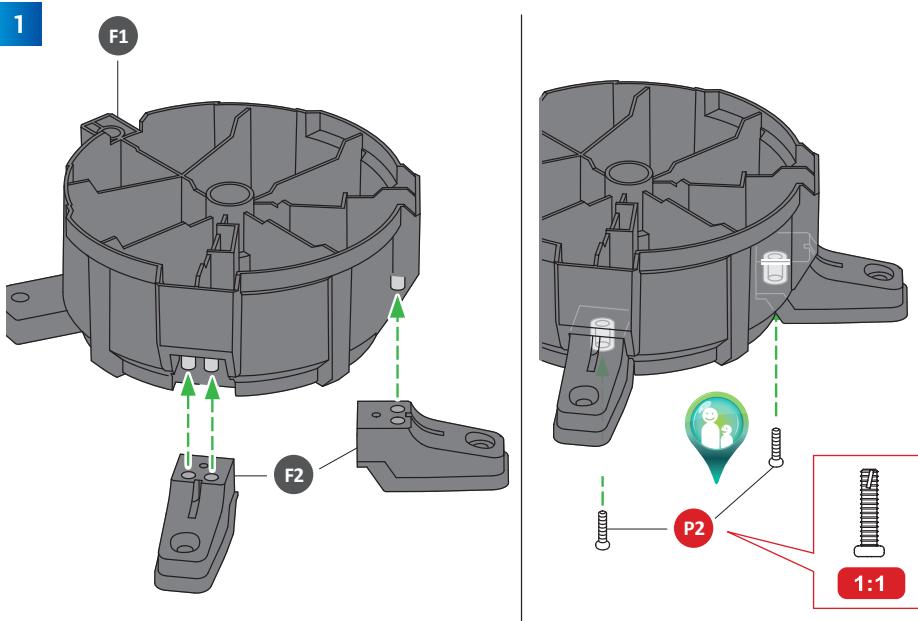


! FR Découpe proprement EN Cut out carefully
DE Wie abgebildet ausschneiden NL Snij netjes uit.
RO Taiati cu atenție IT Taglia correttamente

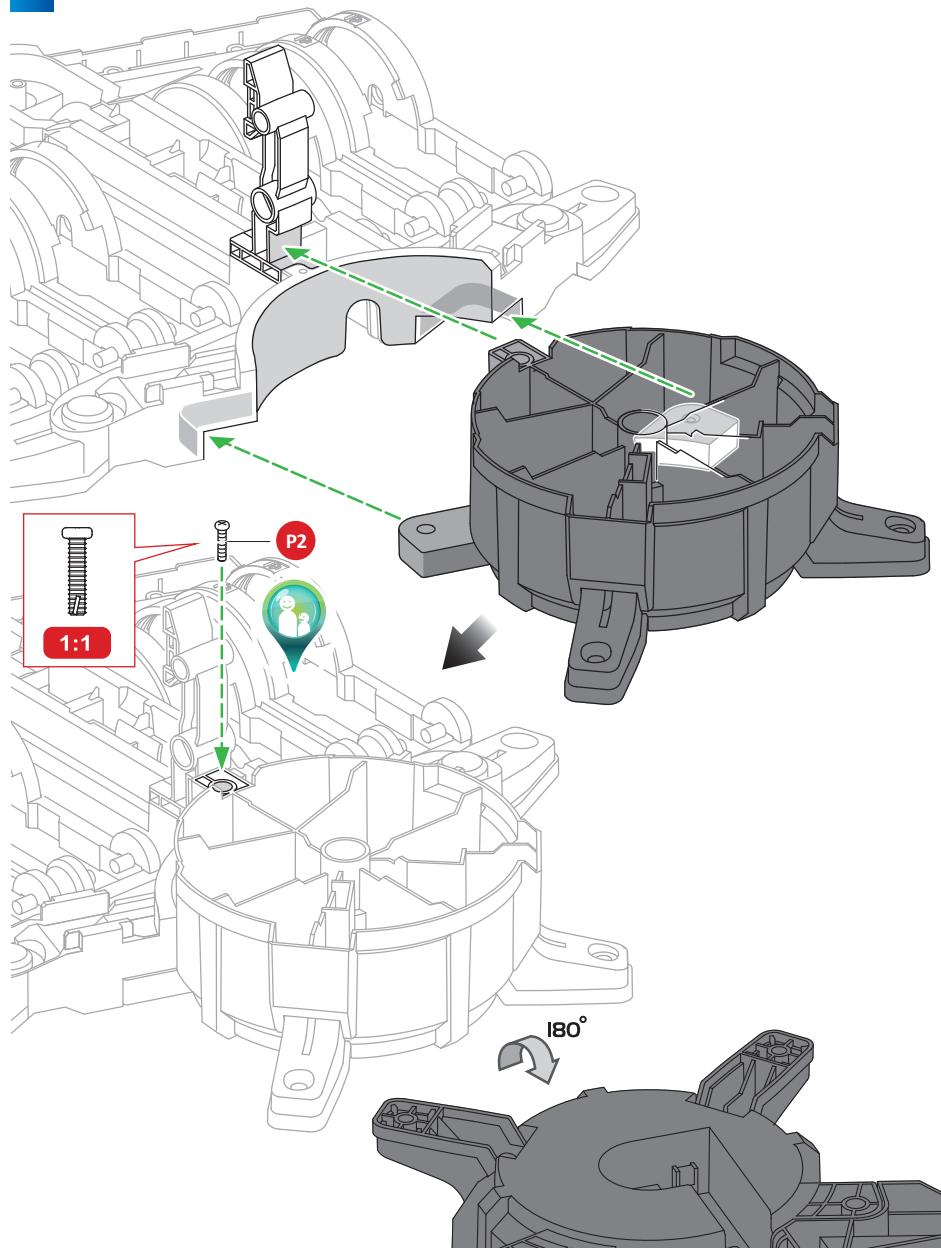


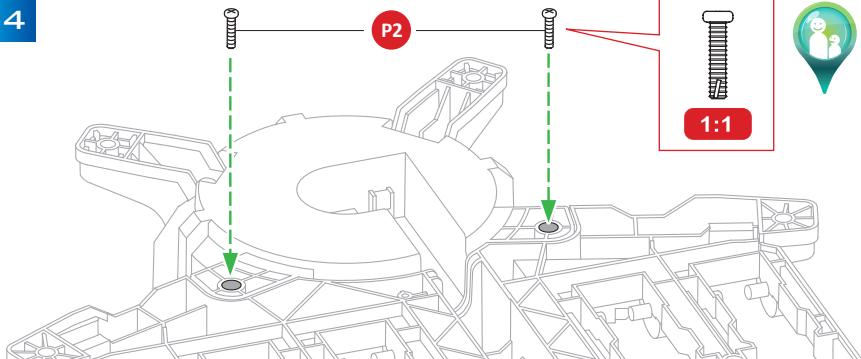
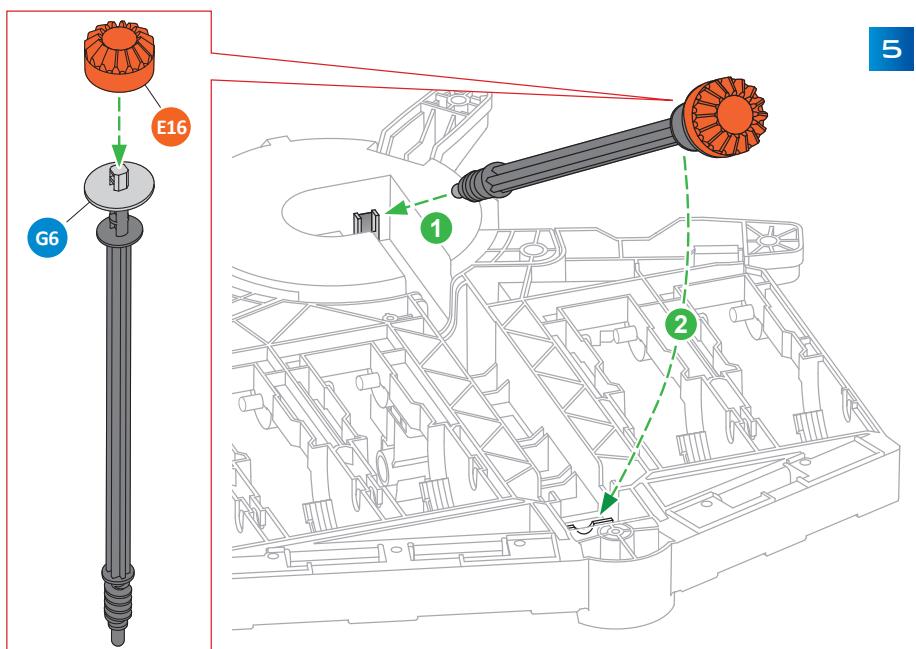
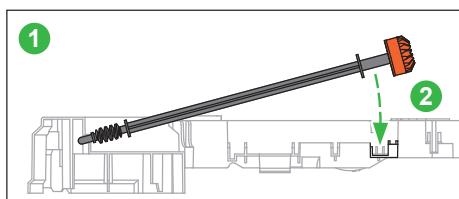
B

BAZA

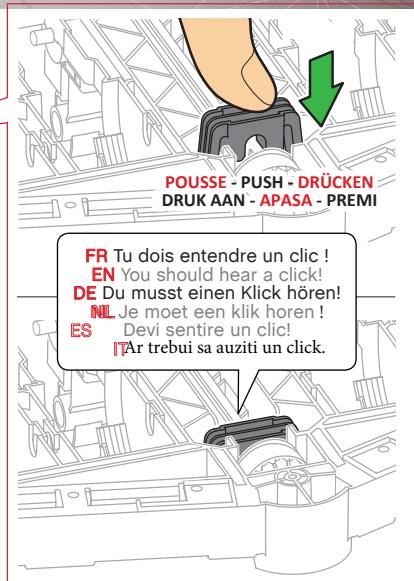
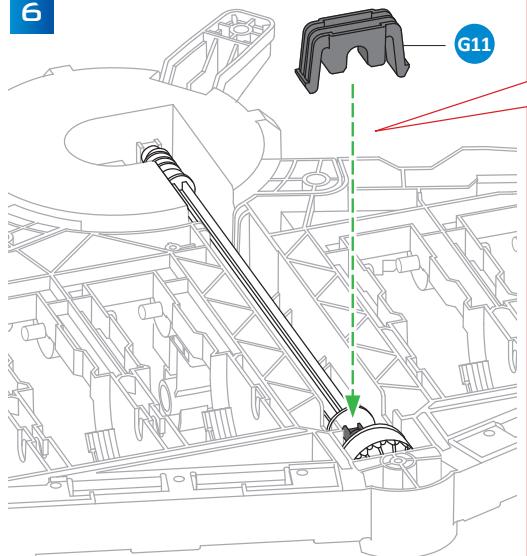


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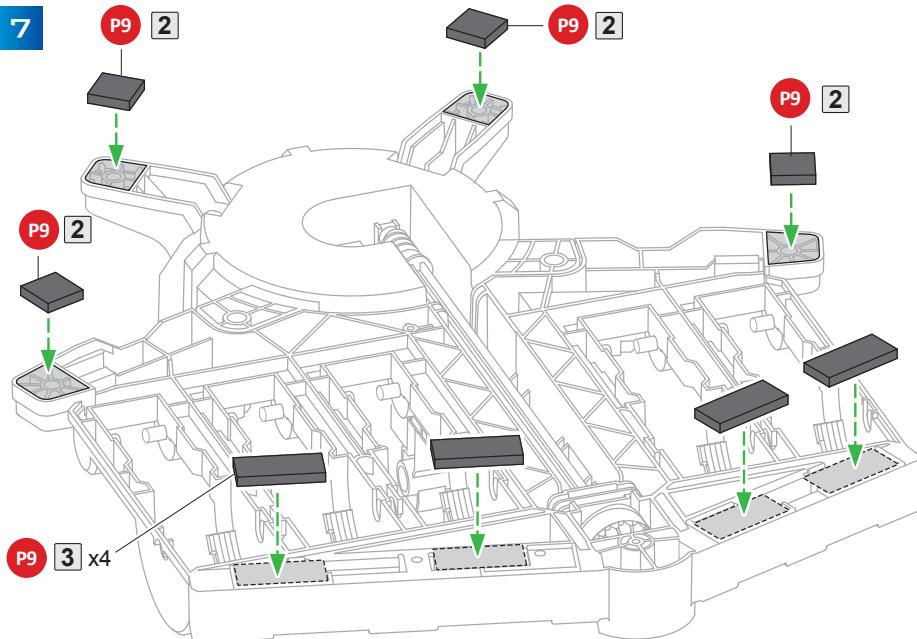


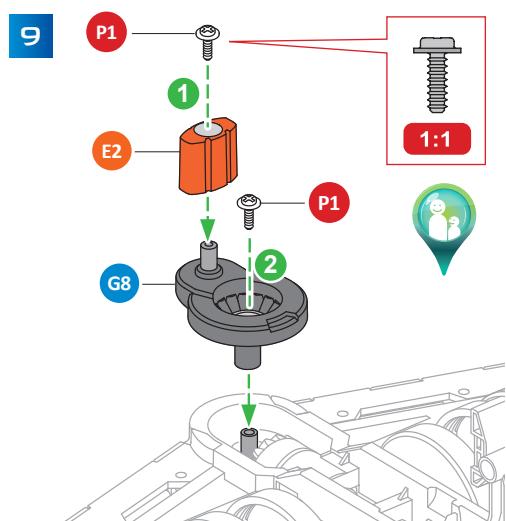
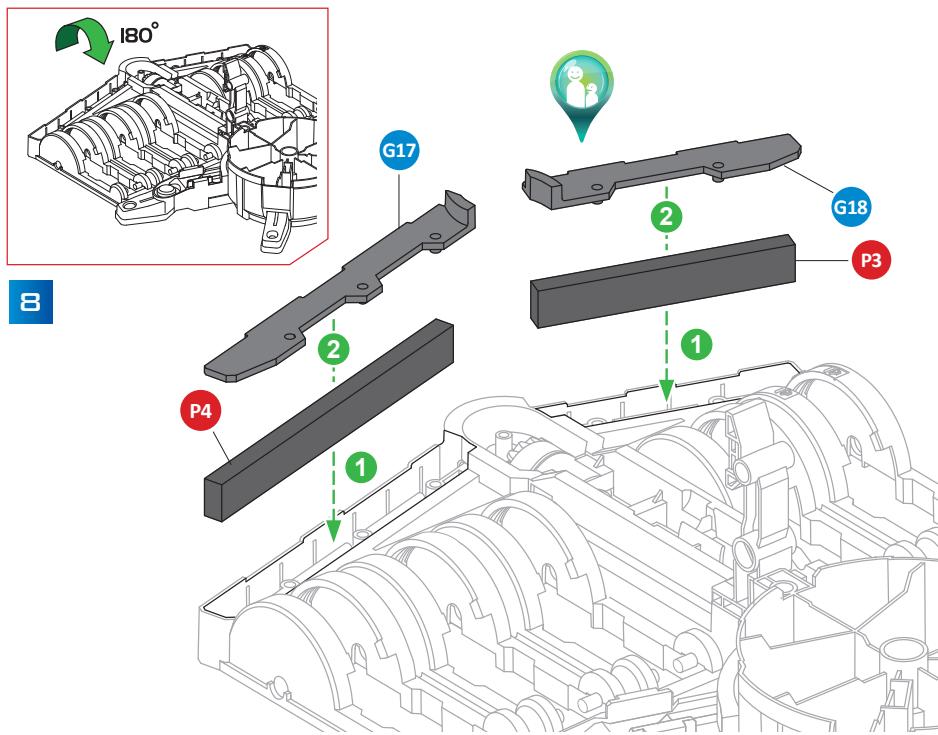
4**5****1**

6



7



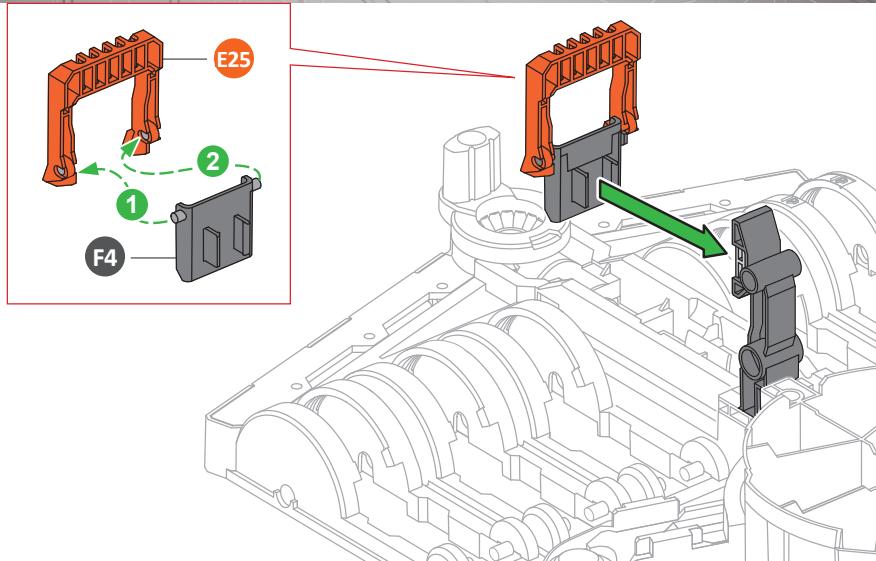


RETOURNE - TURN - UMDREHEN
DRAAI OM - ROTITI - GIRA

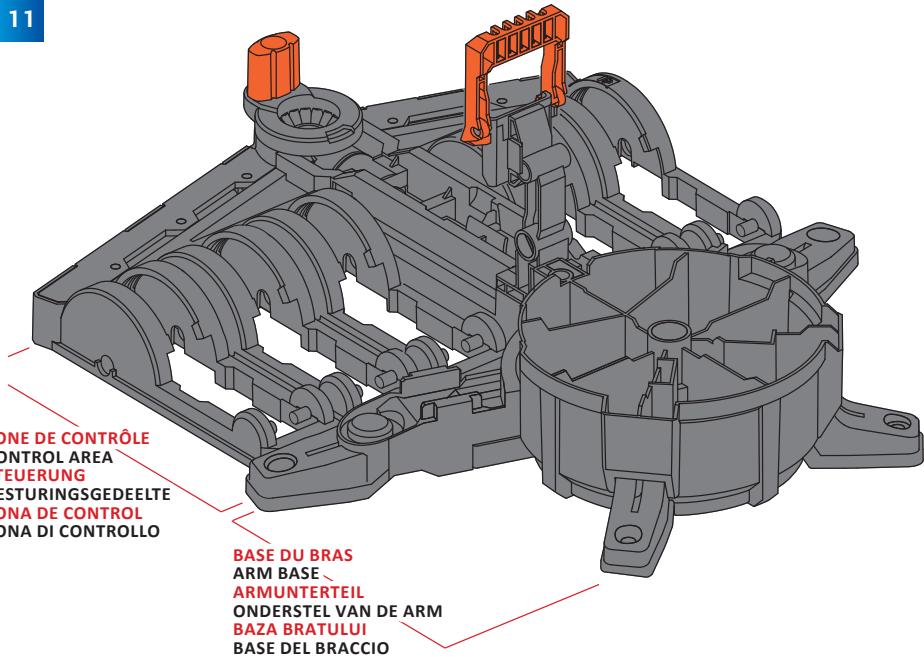


FR La pièce doit tourner librement
EN The part should rotate freely
DE Das Teil muss sich frei bewegen
NL Het onderdeel moet vrij kunnen draaien
RO Aceasta piesă ar trebui să se rotească liber.
IT Il pezzo deve girare liberamente

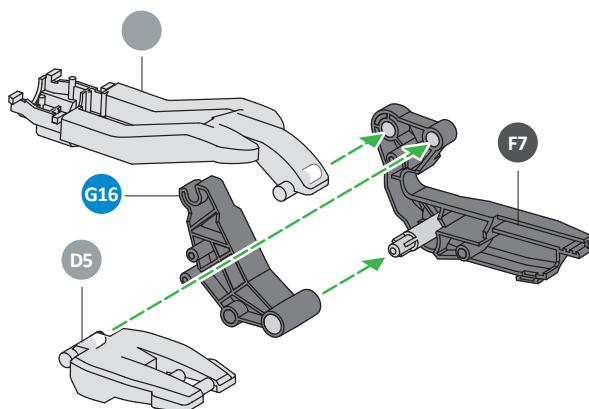
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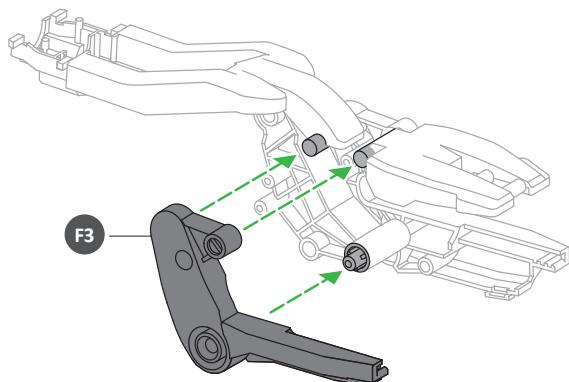
11



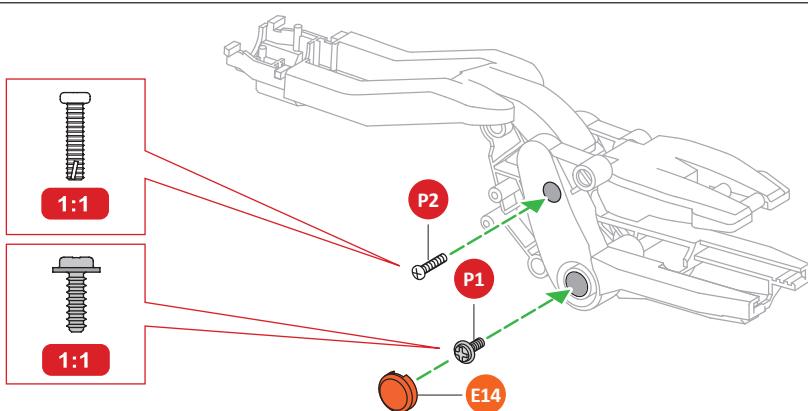
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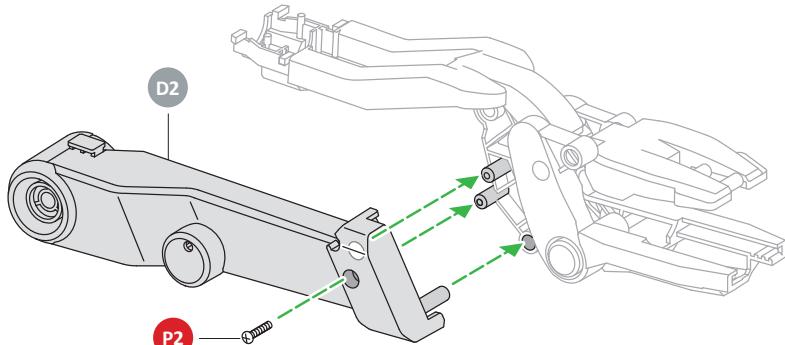
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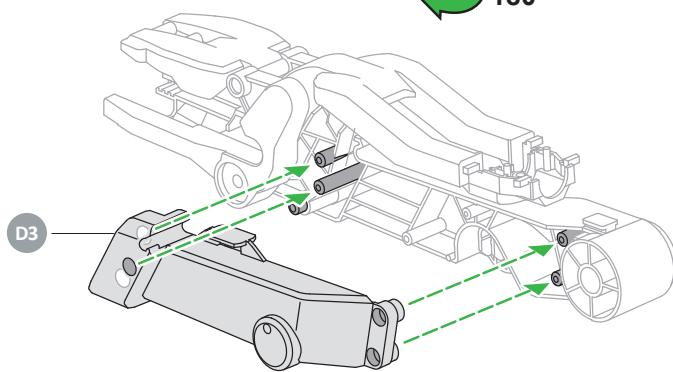
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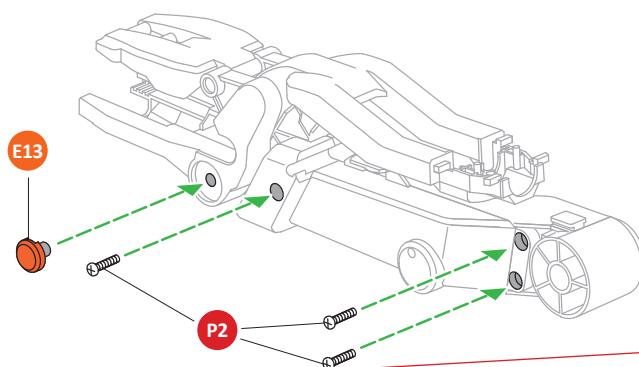
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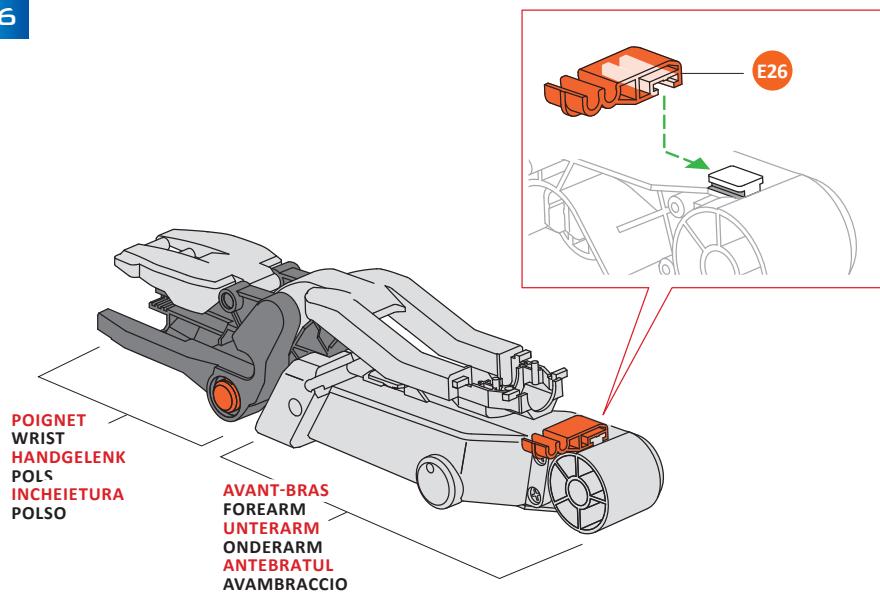
180°



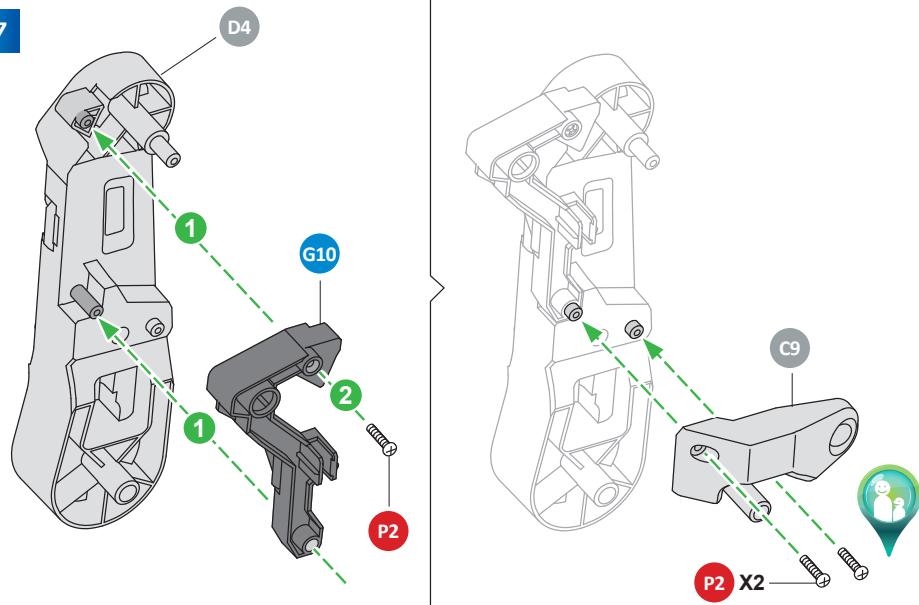
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6



7

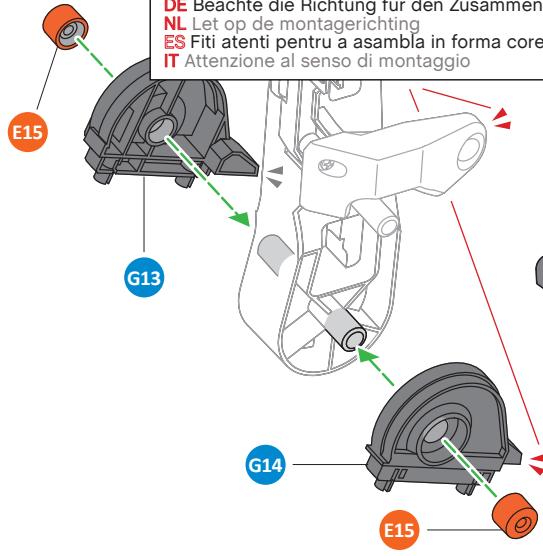


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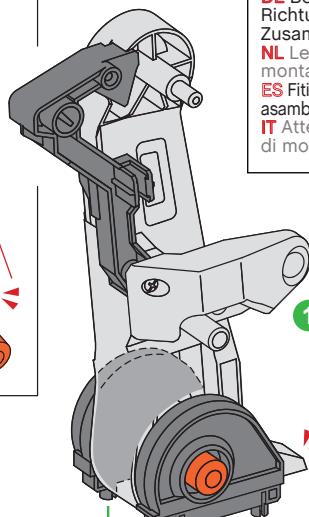
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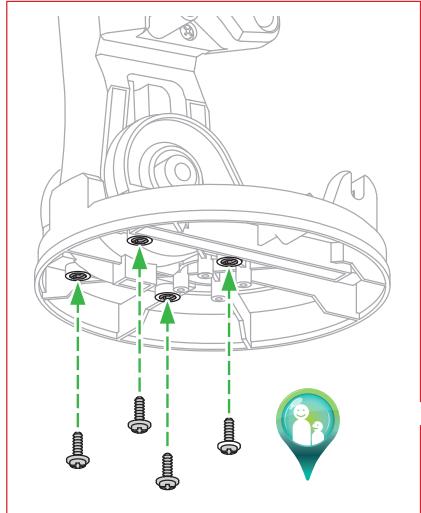
FR Attention au sens de montage
EN Take care to assemble the right way round
DE Beachte die Richtung für den Zusammenbau
NL Let op de montagerichting
ES Fíti atentí pentru a asambla in forma corecta.
IT Attenzione al senso di montaggio



FR Attention au sens de montage
EN Take care to assemble the right way round
DE Beachte die Richtung für den Zusammenbau
NL Let op de montagerichting
ES Fíti atentí pentru a asambla in forma corecta.
IT Attenzione al senso di montaggio



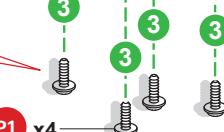
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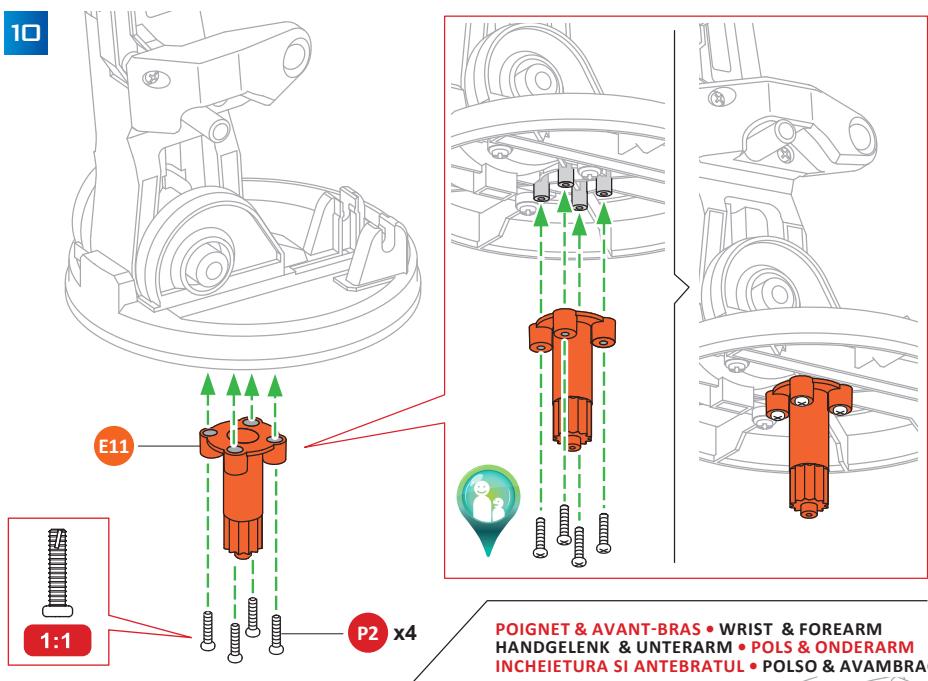
D1

P1 x4

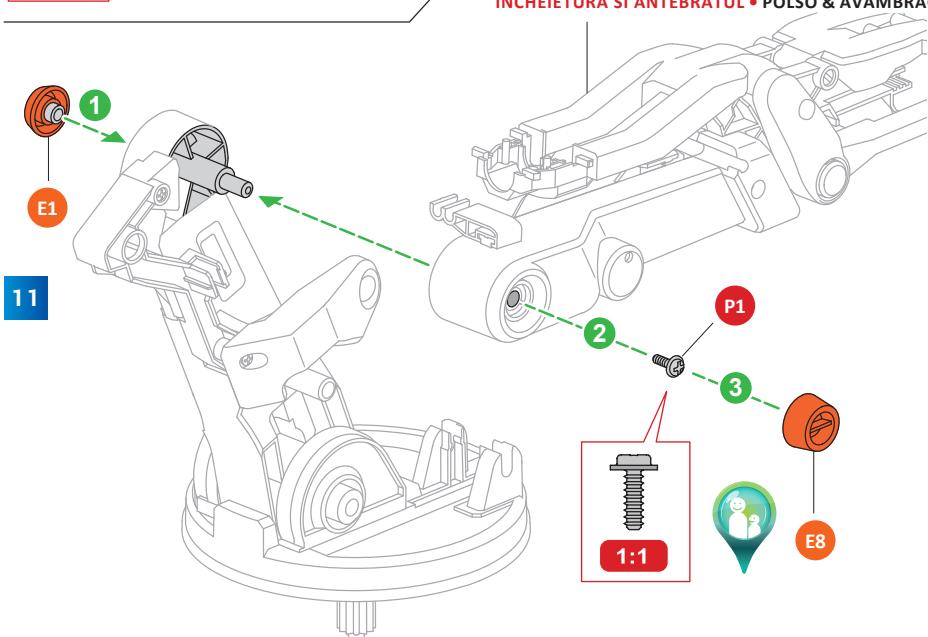
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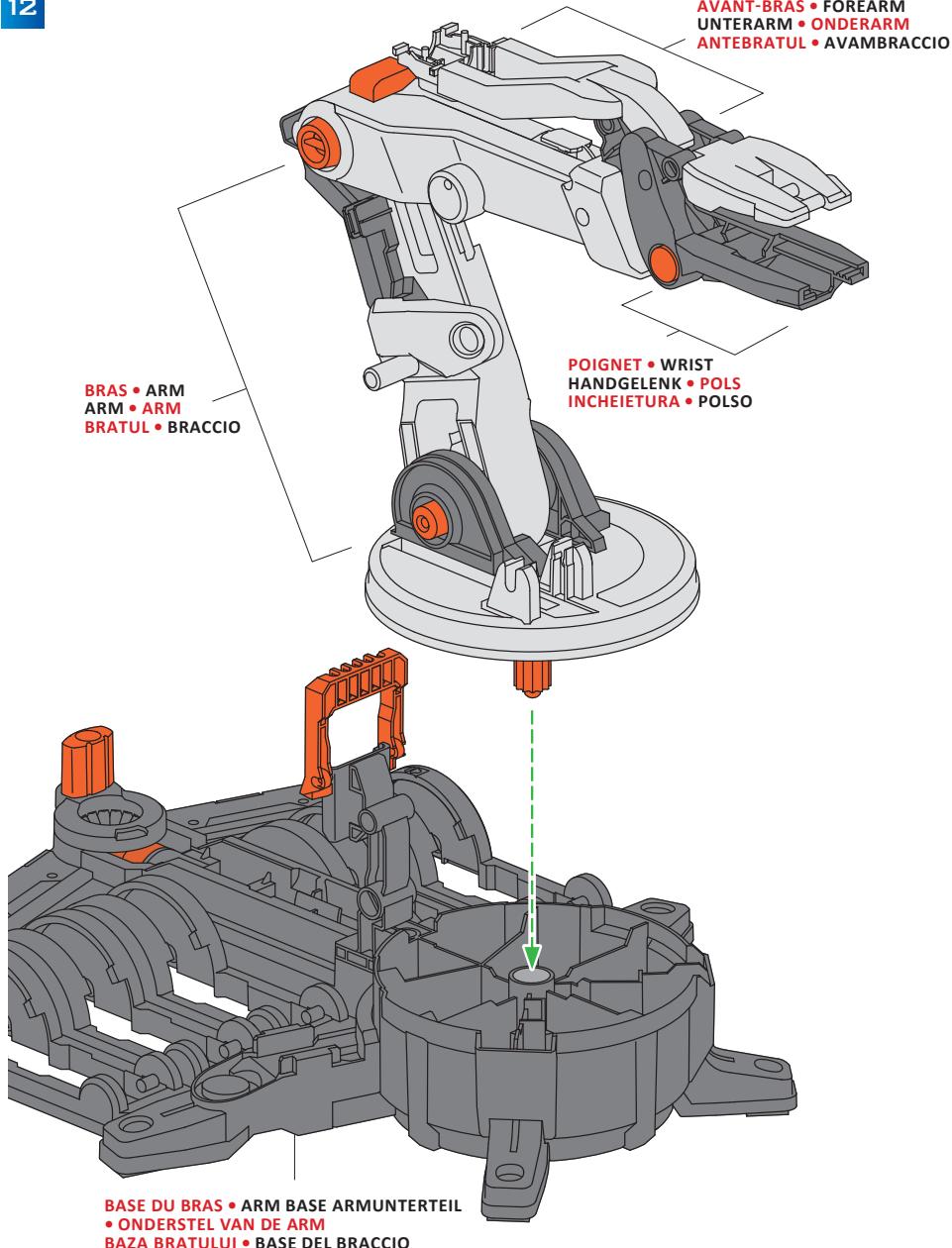


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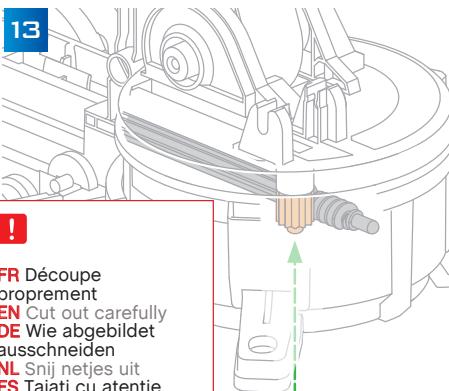


11





13



E10

P1



FR Attention au sens de montage

EN Take care to assemble the right way round

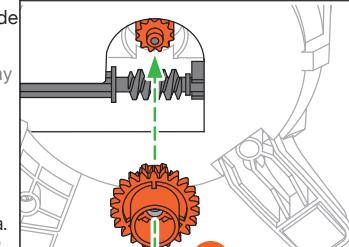
DE Beachte die Richtung für den Zusammenbau

NL Let op de montagerichting

ES Fíti atentí pentru a asambla în forma corecta.

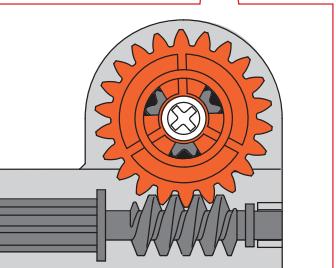
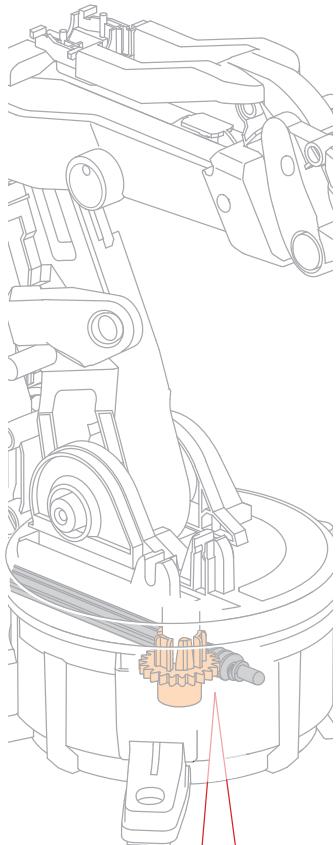
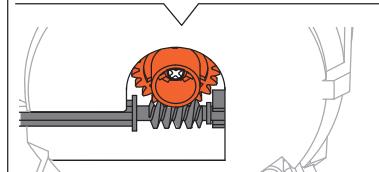
IT Attenzione al senso di montaggio

**VUE DU DESSOUS • BOTTOM VIEW
ANSICHT VON UNTEREN • BOVENAANZICHT
VEDERE DE jos • VISTA DALL'ALTO**



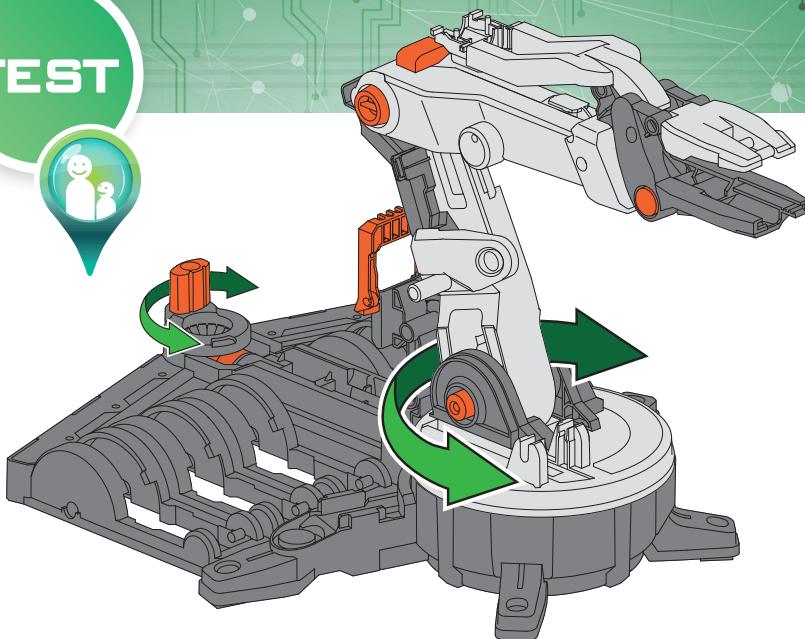
E10

P1



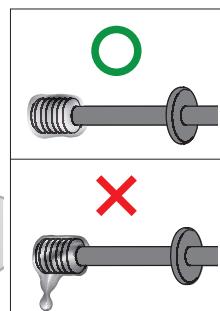
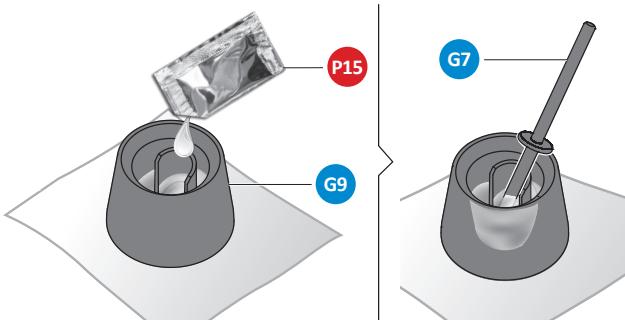
**VUE DU DESSOUS • BOTTOM VIEW
ANSICHT VON UNTEREN • BOVENAANZICHT
VEDERE DE jos • VISTA DALL'ALTO**

TEST



?

CUM SA APPLICATI ULEIUL?



FR L'huile est utilisée pour assurer des mouvements fluides.

EN Oil is used to ensure that parts move smoothly.

DE Das Öl ist nötig, um die flüssige Bewegung der Teile zu sichern.

NL De olie moet ervoor zorgen dat de bewegingen vloeind gebeuren.

ES Uleiul asigura miscarea lina a pieselor.

IT L'olio viene utilizzato per assicurare dei movimenti fluidi.



FR Cet icône signifie où l'huile doit être appliquée.
Fais cela soigneusement.

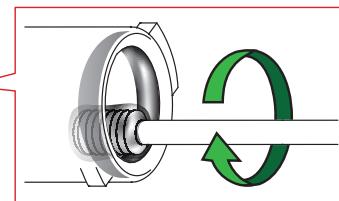
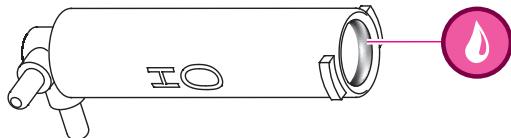
EN His icon shows where oil needs to be applied.
Apply it carefully.

DE Dieses Symbol zeigt an, wo Öl aufzutragen ist.
Arbeite dabei sehr sorgfältig.

NL Dit icoon geeft aan waar de olie moet worden
aangebracht. Doe dat heel voorzichtig.

ES Acest simbol arata unde trebuie aplicat uleiul.
Aplicati-l cu atentie.

IT Questo simbolo indica il punto in cui deve essere
applicato l'olio. Fai questa operazione con cura.

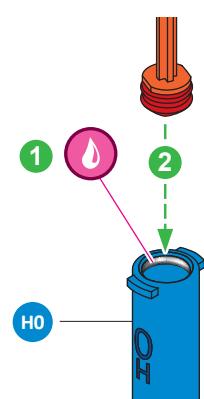
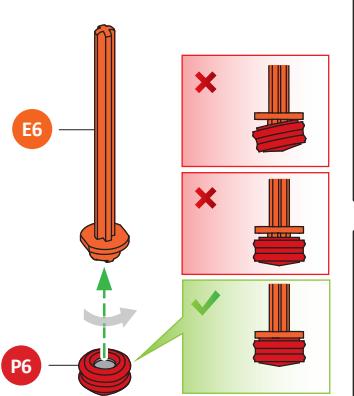


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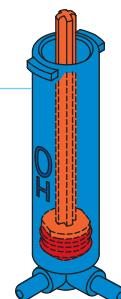
• CILINDRUL H

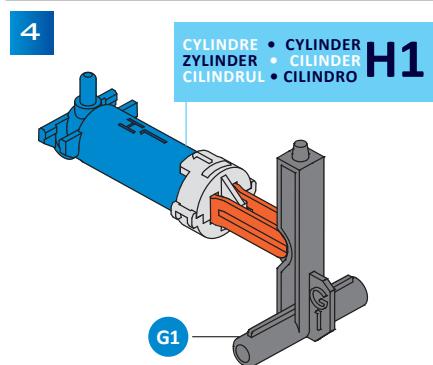
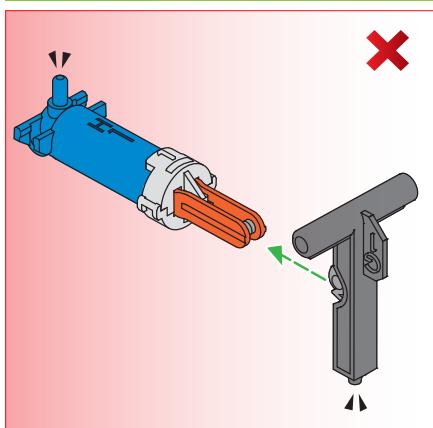
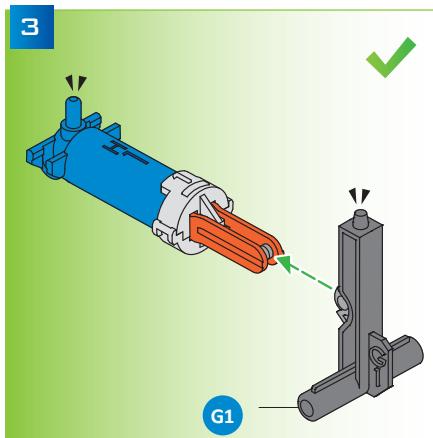
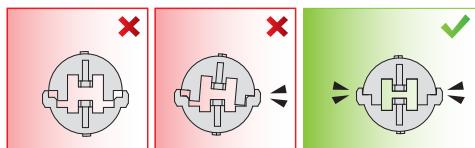
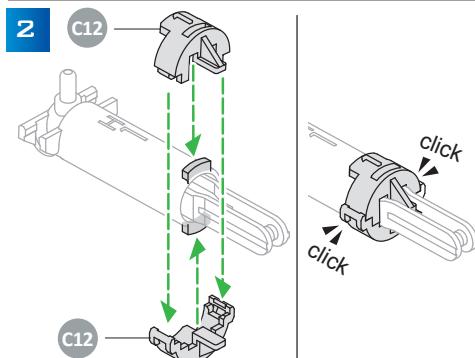
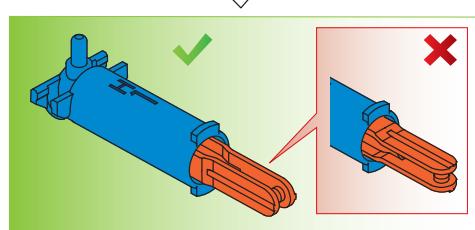
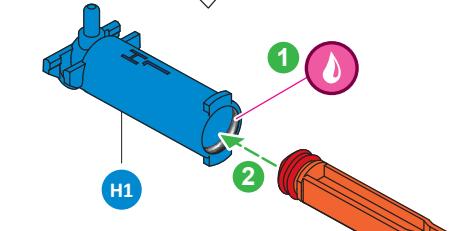
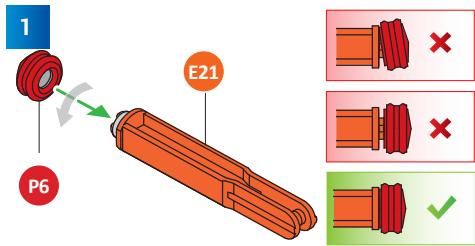
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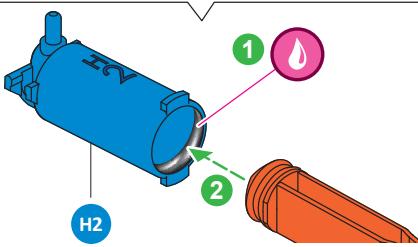
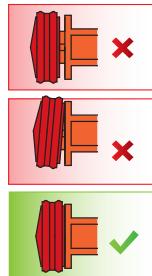
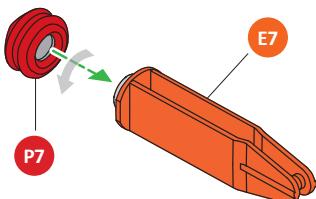
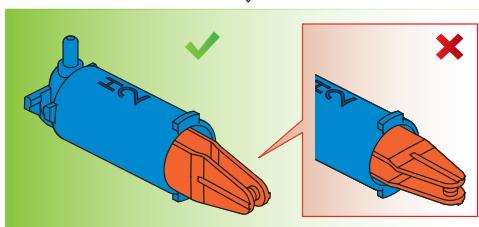
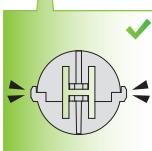
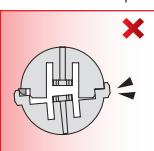
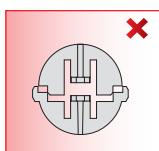
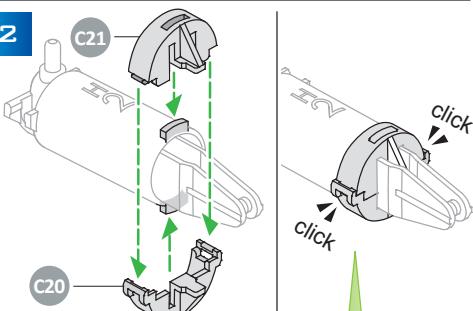
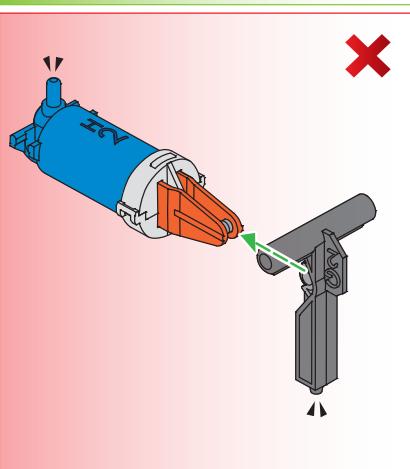
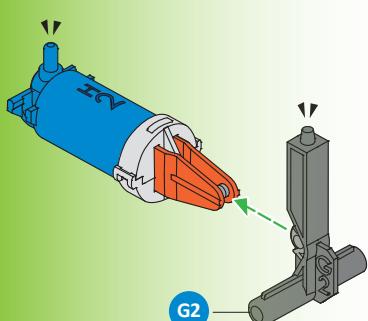
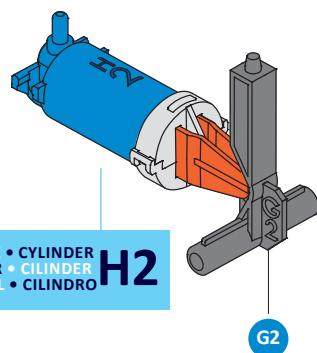
H0



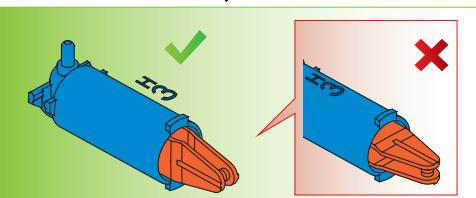
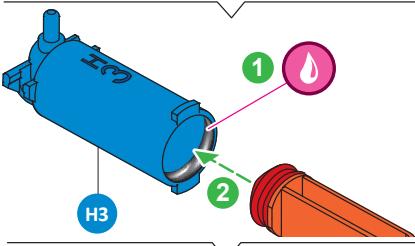
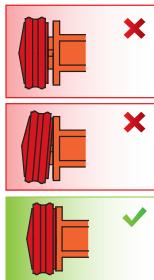
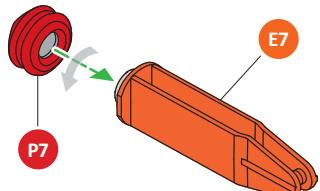
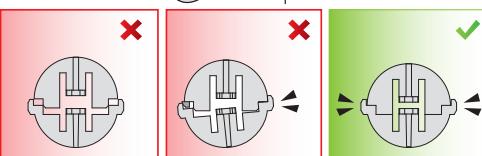
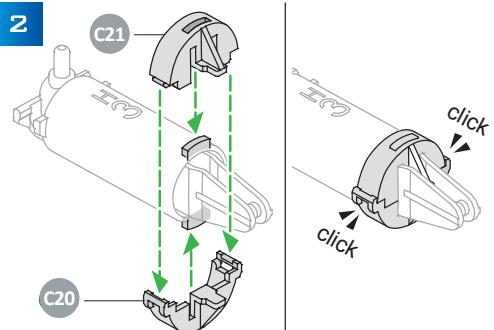
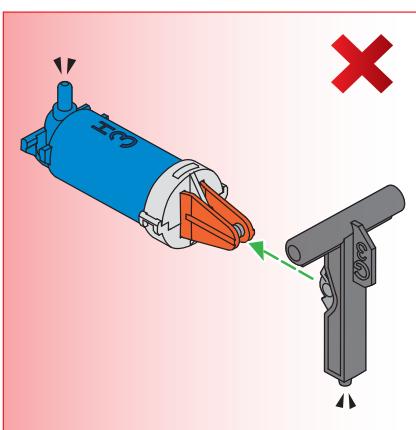
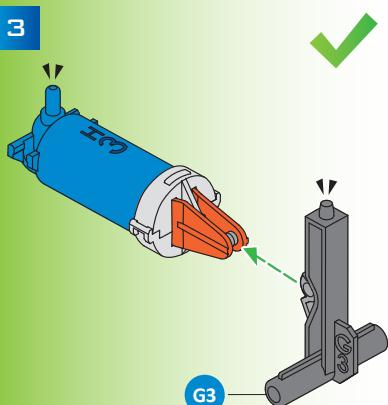
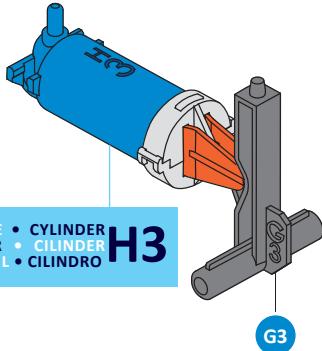
CYLINDE • CYLINDER
ZYLINDER • CILINDER
CILINDRUL • CILINDRO **H0**





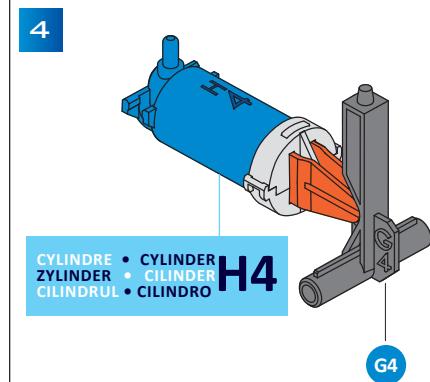
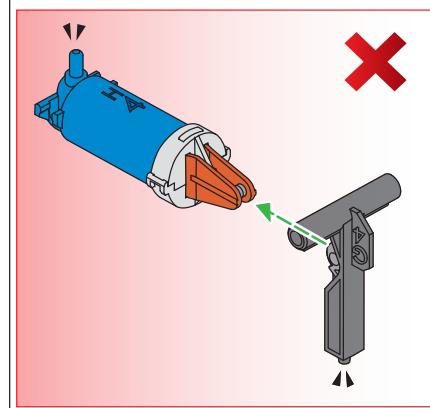
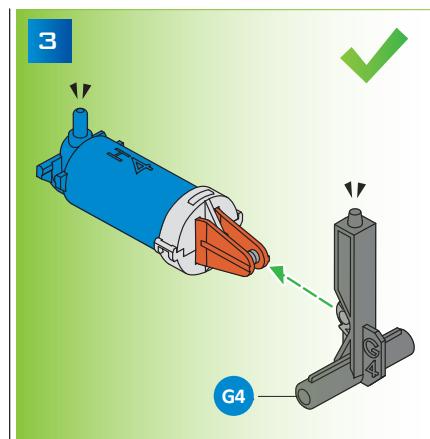
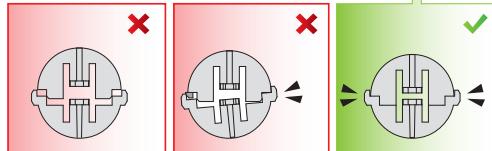
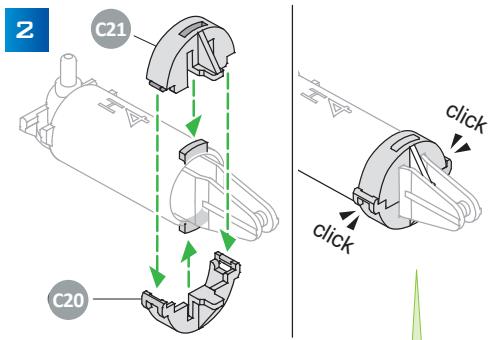
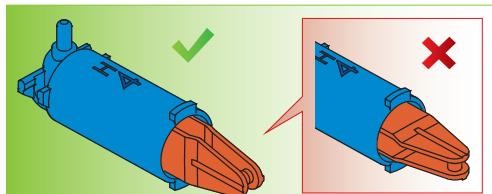
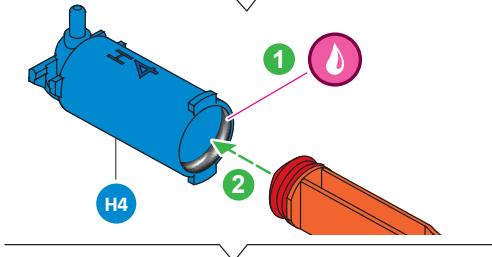
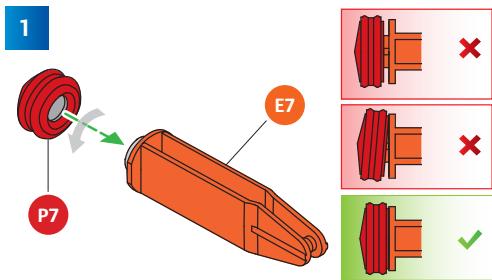
1**1****H2****2****3****4**

CYLINDE • CYLINDER
ZYLINDER • CILINDER
CILINDRUL • CILINDRO **H2**

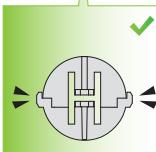
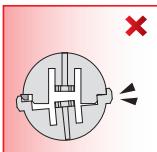
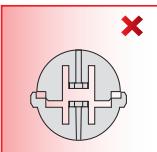
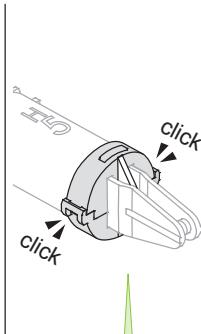
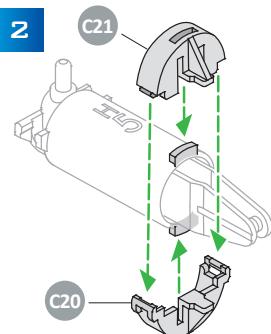
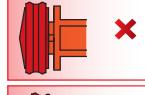
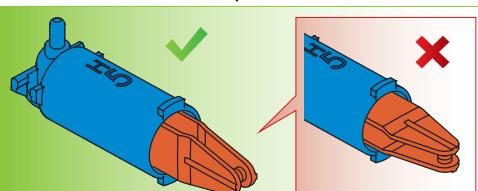
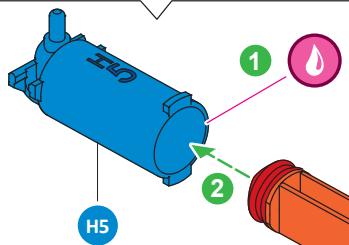
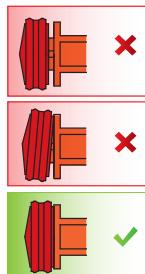
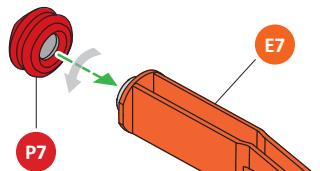
1**2****3****4**

CYLINDE • CYLINDER
 ZYLINDER • CILINDER
 CILINDRUL • CILINDRO

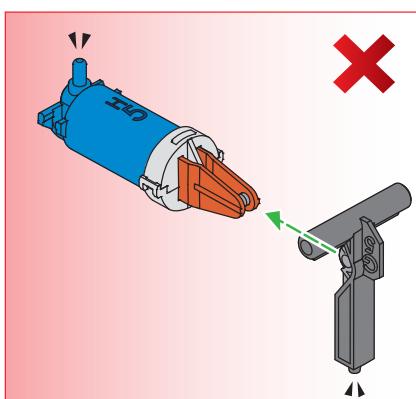
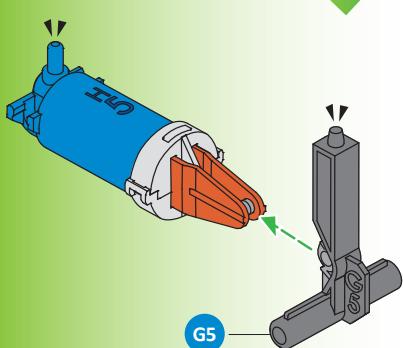
H3



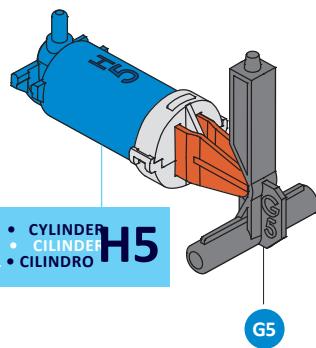
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3



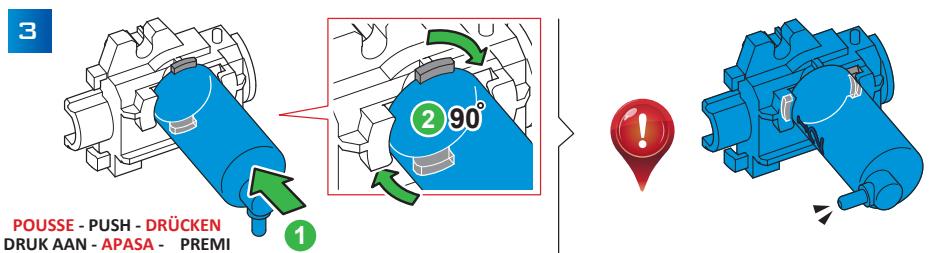
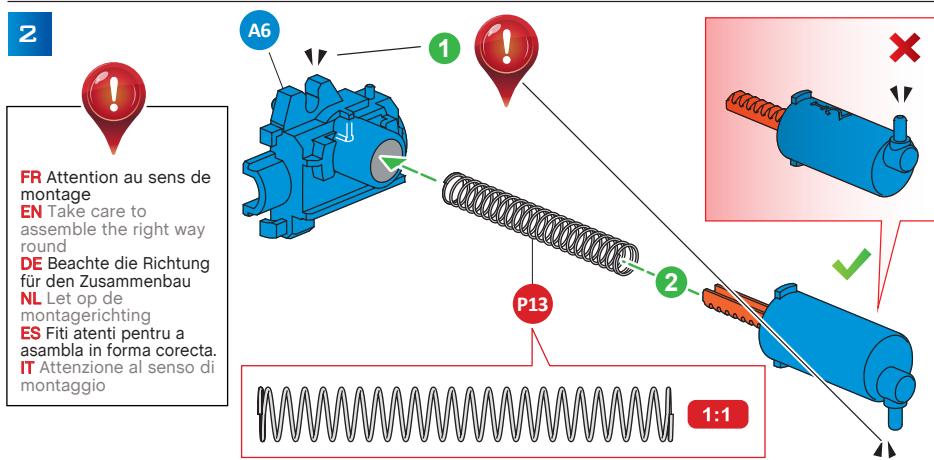
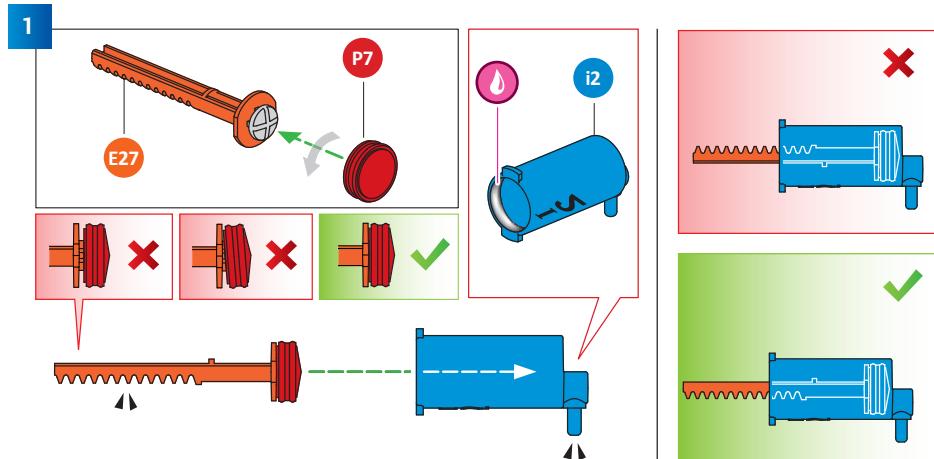
4



CYLINDE • CYLINDER
ZYLLDER • CILINDER
CILINDRUL • CILINDRO

H5

G5

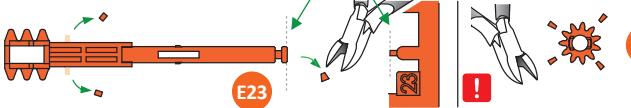


4



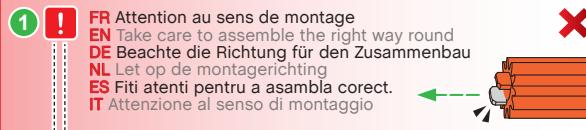
FR Découpe proprement
EN Cut out carefully
DE Wie abgebildet ausschneiden
NL Snij netjes uit.
ES Tajați cu atenție
IT Taglia correttamente

FR Couper ici **EN** Cut here
DE Hier abschneiden **NL** Knip hier
ES Cortar en estos puntos **IT** Tagliati qui (RO)

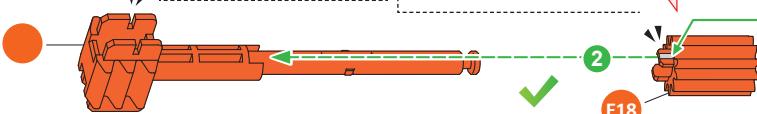


E18

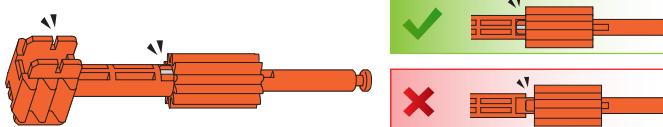
FR Fente ouverte vers le haut
EN Slot with the opening upwards
DE Spalt nach oben offen
NL Opening naar boven gericht
ES Piesa cu deschiderea in sus
IT Fessura aperta verso l'alto



1

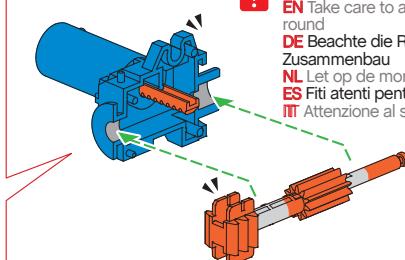
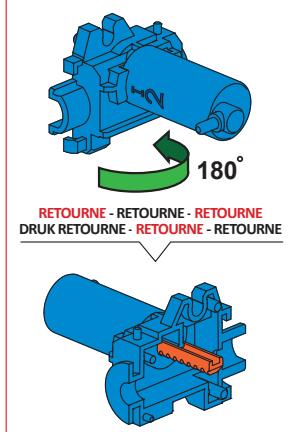
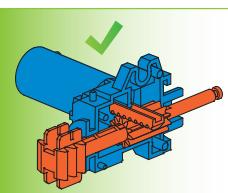
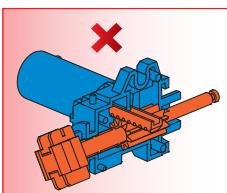
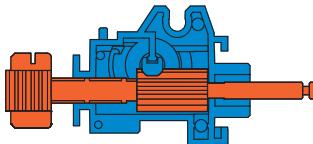
**FR** Attention au sens de montage**EN** Take care to assemble the right way round**DE** Beachte die Richtung für den Zusammenbau**NL** Let op de montagerichting**ES** Fita atenți pentru a asambla corect.**IT** Attenzione al senso di montaggio

E18

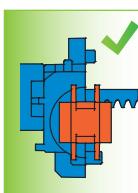
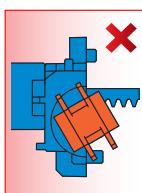


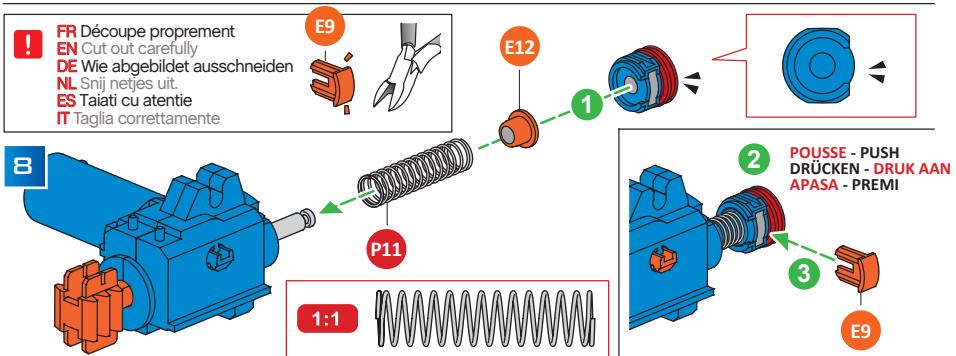
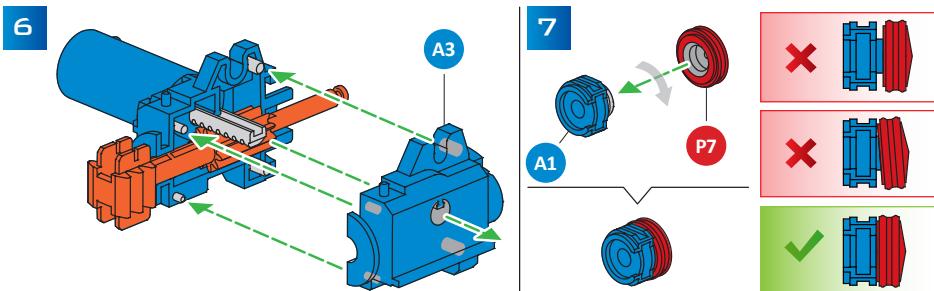
FR Petite rainure vers le haut
EN Small groove upwards
DE Kleine Einkerbung nach oben
NL Kleine groef naar boven gericht
ES Santul mic in sus
IT Piccola scanalatura rivolta verso l'alto

5

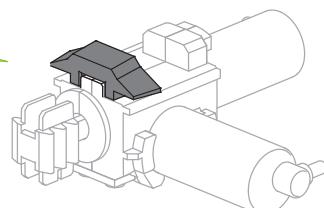
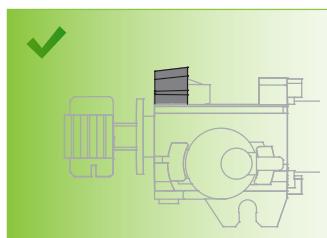
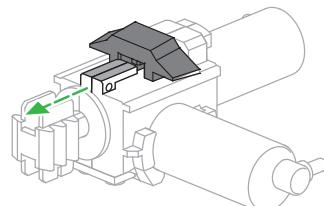
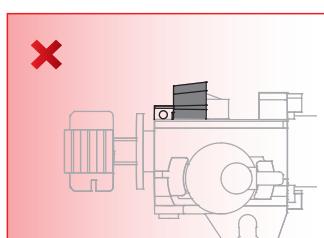
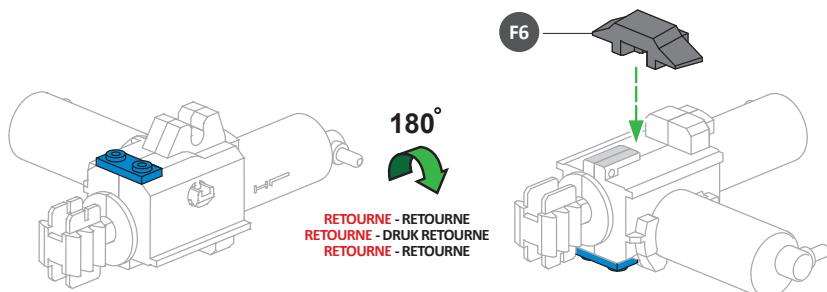
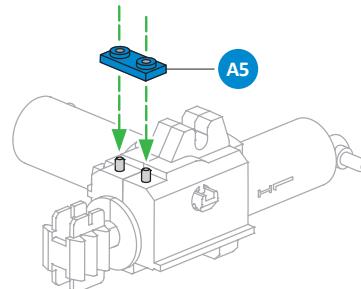
**FR** Attention au sens de montage
EN Take care to assemble the right way round**DE** Beachte die Richtung für den Zusammenbau**NL** Let op de montagerichting**ES** Fita atenți pentru a asambla corect.**IT** Attenzione al senso di montaggio

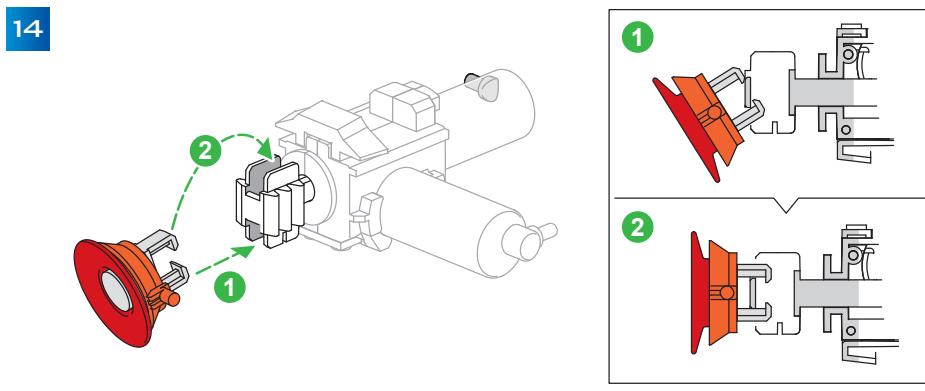
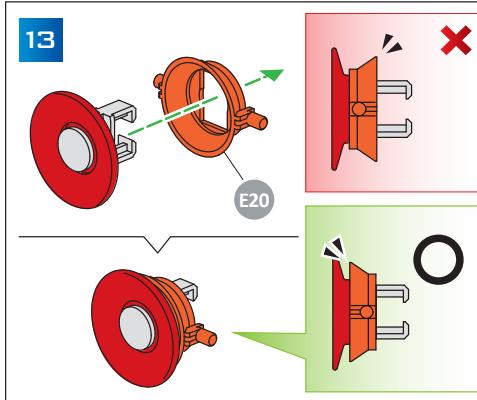
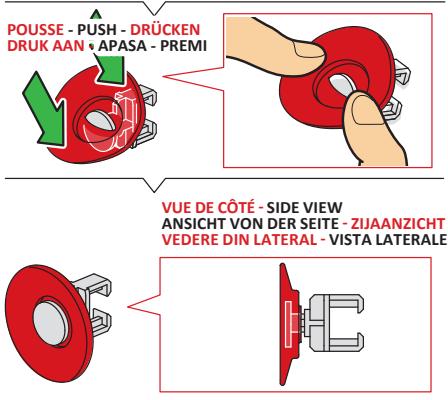
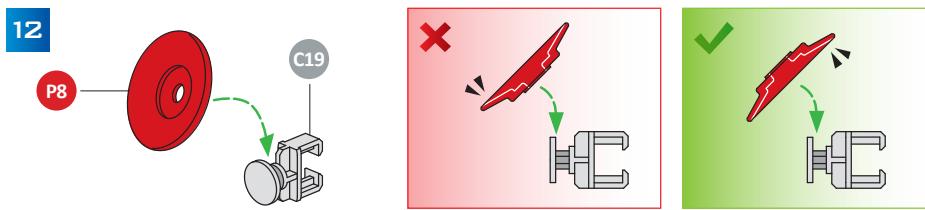
VUE DE FACE
FRONT VIEW
ANSICHT VON VORN
VOORANZICHT
VEDERE DIN FATA
VISTA DA DAVANTI



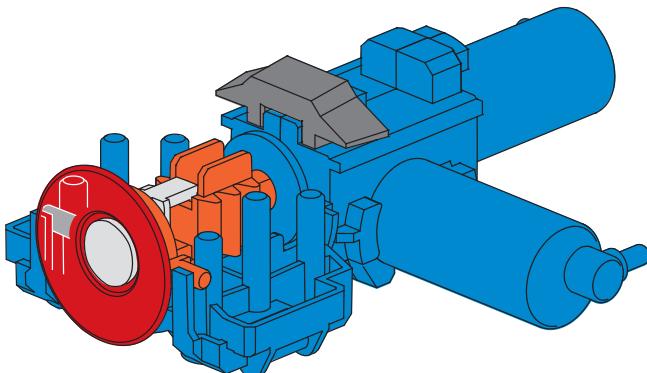
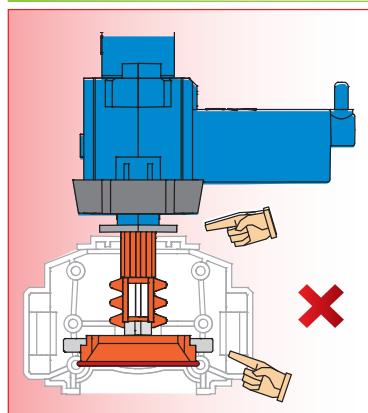
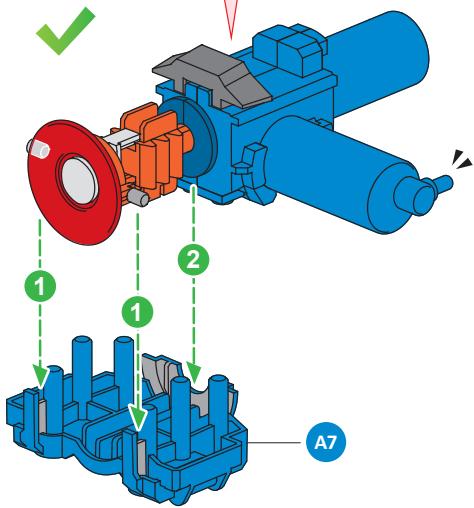
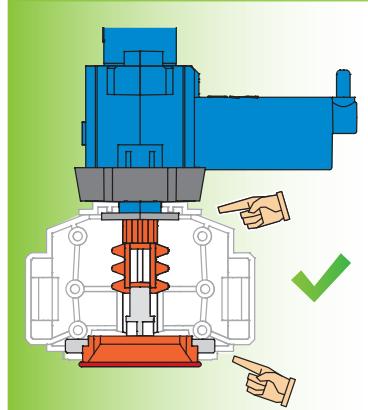
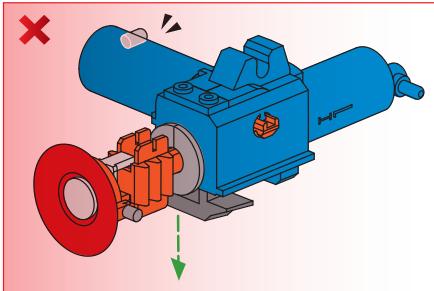


11





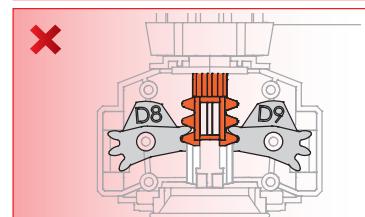
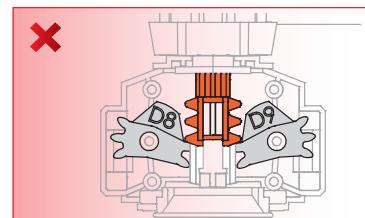
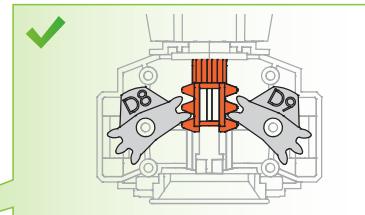
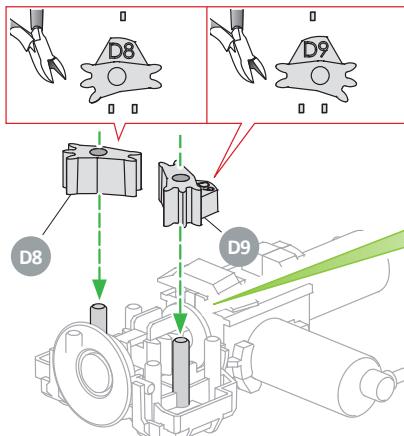
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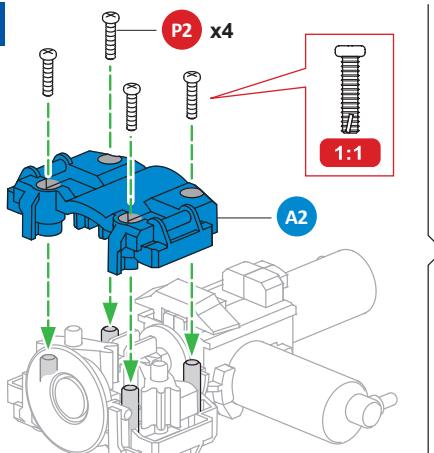
16

! FR Découpe proprement EN Cut out carefully
 DE Wie abgebildet ausschneiden NL Snij netjes uit.
 ES Tati cu atentie IT Taglia correttamente

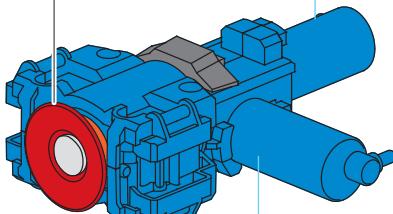
TRES IMPORTANT! - VERY IMPORTANT!
 SEHR WICHTIG! - HEEL BELANGRIJK!
 FOARTE IMPORTANT! - MOLTO IMPORTANTE!



17

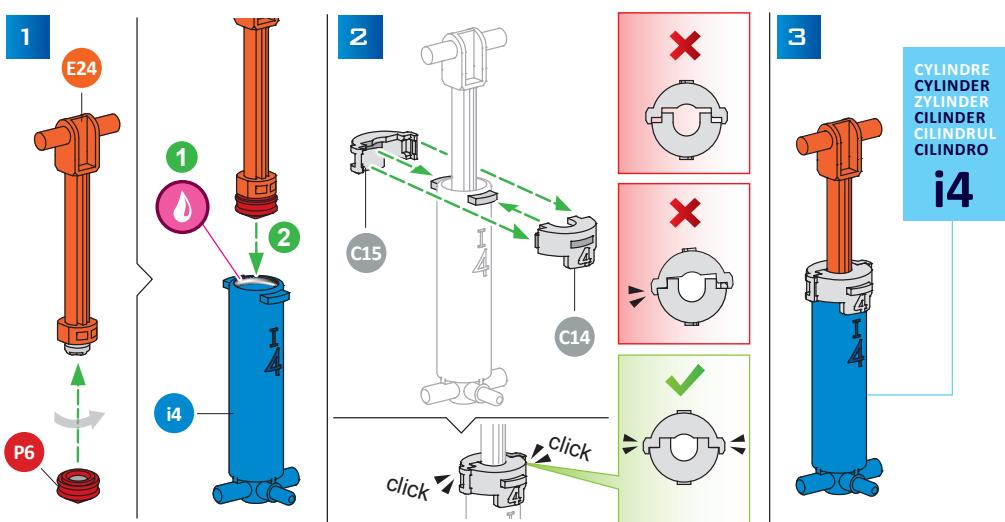
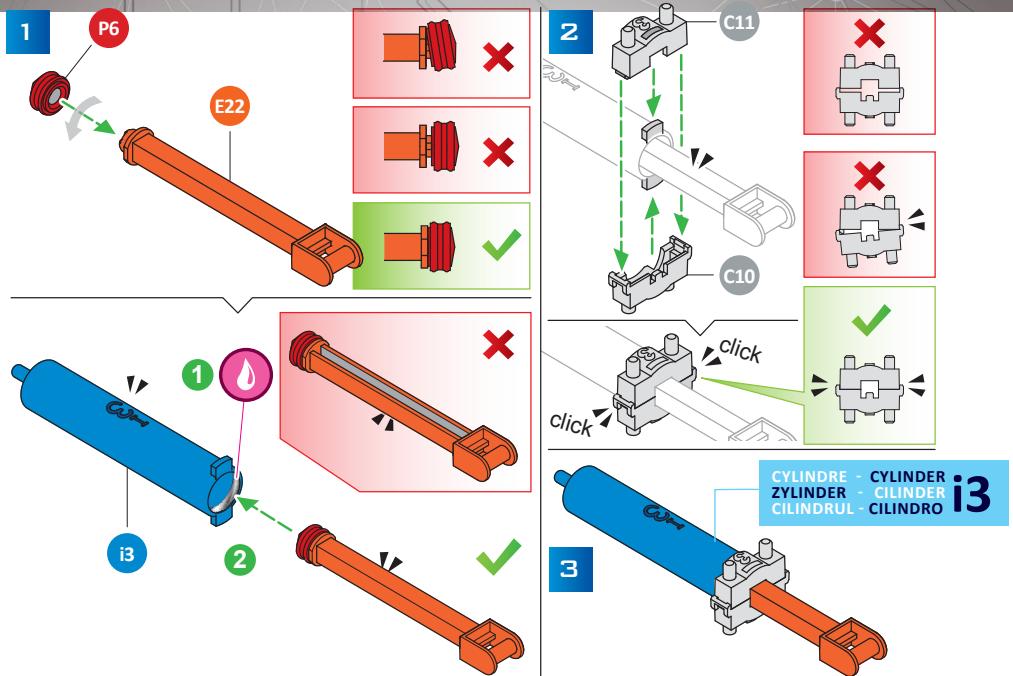


VENTOUSE - SUCTION
CUP SAUGNAPF -
ZUIGNAP
VENTUZA - VENTOSA

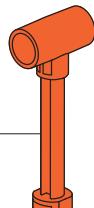


CYLINDERE • CYLINDER
ZYLLINDER • CILINDER
CILINDRUL • CILINDRO **i1**

CYLINDERE • CYLINDER
ZYLLINDER • CILINDER
CILINDRUL • CILINDRO **i2**

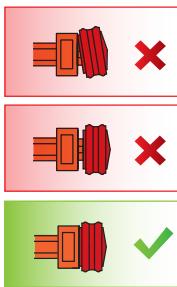


1



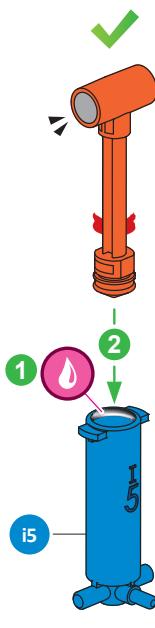
E19

P6



!

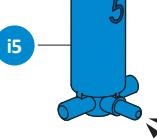
FR Attention au sens de montage
EN Take care to assemble the right way round
DE Beachte die Richtung für den Zusammenbau
NL Let op de montagerichting
ES Fíti atentí pentru a asambla in forma corecta.
IT Attenzione al senso di montaggio



1

2

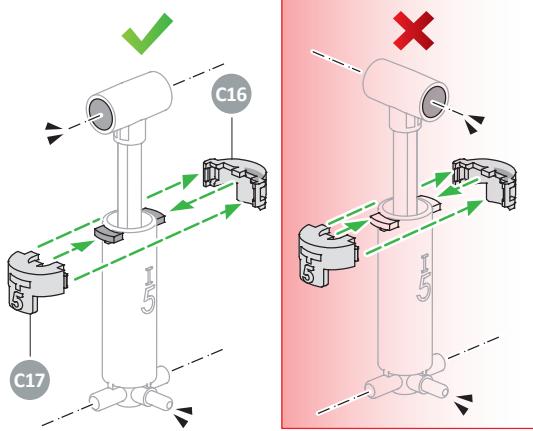
i5



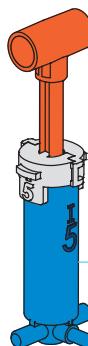
2

!

FR Attention au sens de montage
EN Take care to assemble the right way round
DE Beachte die Richtung für den Zusammenbau
NL Let op de montagerichting
ES Fíti atentí pentru a asambla in forma corecta.
IT Attenzione al senso di montaggio



3

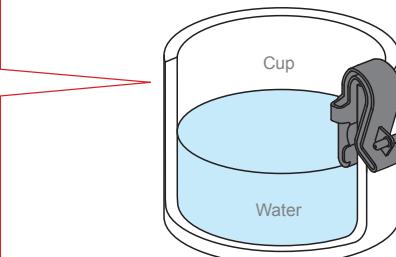
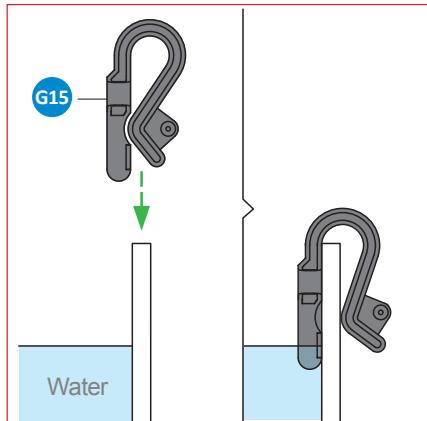


CYLINDE • CYLINDER
 ZYLINDER • CILINDER
 CILINDRUL • CILINDRO **i5**



CUM SA UMPLETI CILNDRELE?

1

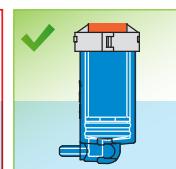
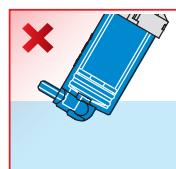
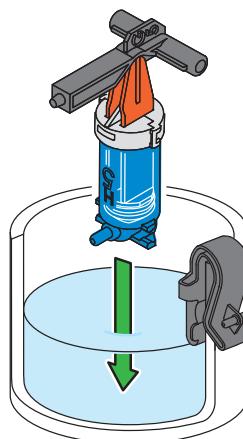
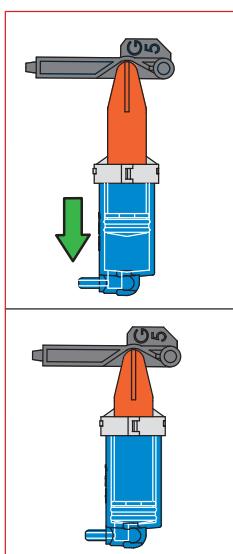


REMPLES À MOITIÉ - FILL HALFWAY
ZUR HÄLFTE FÜLLEN - VUL ZE VOOR DE HELFT
UMPLETI PE JUMATATE - RIEMPILI A METÀ

2

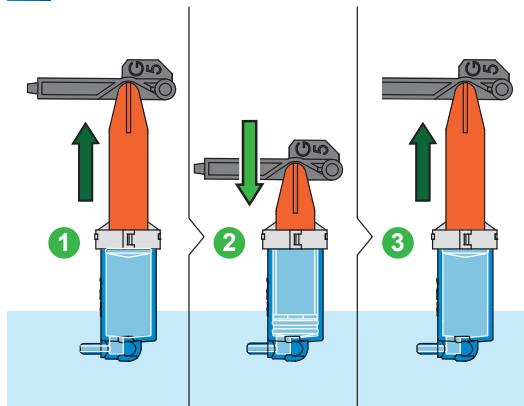


FR Appuie sur le piston jusqu'en bas
EN Press the piston to the bottom
DE Den Kolben bis nach unten drücken
NL Druk de zuiger neer
ES Apasati pistonul pana la capat
IT Premi il pistone fino in fondo



CUM SA UMLETI CILINDRII?

3



- 1 Remonte le piston jusqu'en haut
- 2 Appuie sur le piston jusqu'en bas
- 3 Refais les étapes 1 et 2 plusieurs fois pour remplir le cylindre

- 1 Raise the piston back to the top
- 2 Press the piston to the bottom
- 3 Repeat steps 1 and 2 several times to fill the cylinder

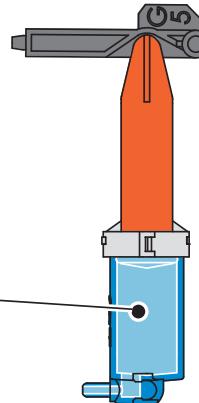
- 1 Den Kolben nach oben ziehen
- 2 Den Kolben bis nach unten drücken
- 3 Die Schritte 1 und 2 mehrmals wiederholen, bis der Zylinder gefüllt ist

- 1 Trek de zuiger terug omhoog
- 2 Druk de zuiger neer
- 3 Herhaal stappen 1 en 2 tot de cilinder vol is

- 1 Ridicati pistonul înapoi sus
- 2 Apasăți pistonul jos, pana la capăt
- 3 Repetăți primii doi pași de câteva ori pentru a umple cilindrul.

- 1 Fai risalire il pistone fino in alto
- 2 Premi il pistone fino in fondo
- 3 Ripeti i passaggi 1 e 2 più volte per riempire il cilindro

4



FR Lorsque tu verras ce logo, il faudra remplir les cylindres comme indiqué sur ces pages.

EN When you see this logo, fill the cylinders as shown on these pages.

DE Wenn du dieses Logo siehst, sollst du die Zylinder wie hier gezeigt füllen.

NL Als je dit logo ziet, betekent dat dat je de cilinders moet vullen zoals hierboven staat beschreven.

ES Cand vedeti acest simbol, umpleti cilindrul asa cum este afisat in aceste pagini

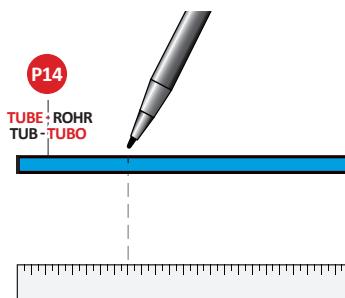
IT Quando vedrai questo logo, sarà necessario riempire i cilindri come indicato su queste pagine.



CUM SA TAIATI TUBURILE?

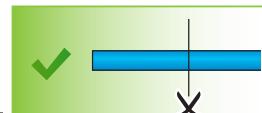
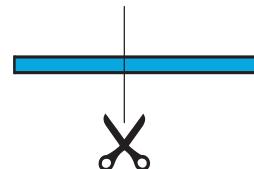
1

MESURE ET MARQUE - MEASURE AND MARK
ABMESSEN UND MARKIEREN - MEETEN MAAK EN
MASURATI SI NOTATI - MISURA E SEGNA



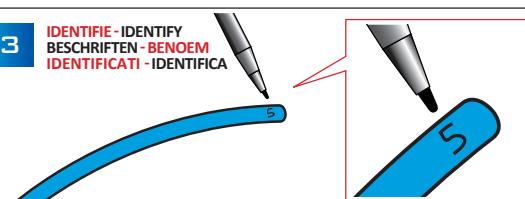
2

COUPE - CUT
ABSCHNEIDEN - KNIP
TAIE - TAGLIA



3

IDENTIFIE - IDENTIFY
BESCHRIFTEN - BENOEDEM
IDENTIFICATI - IDENTIFICA



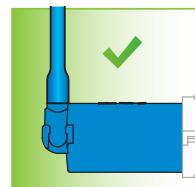
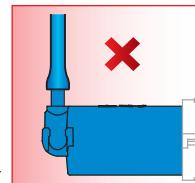
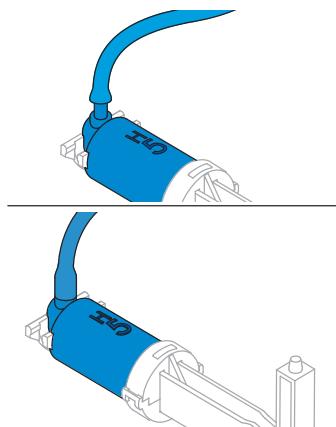
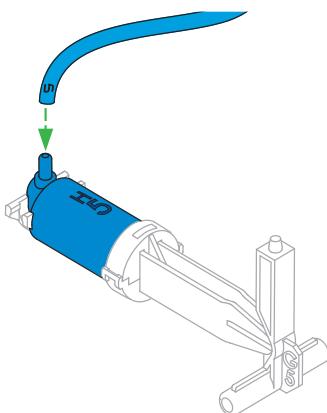
4

! FR Utilise le même P14 pour faire le tube 0 et le tube 1 - **EN** Use the same P14 for tube 0 and tube 1
DE Die Schläuche 0 und 1 aus dem gleichen Stück P14 schneiden - **NL** Gebruik dezelfde P14 voor buizen 0 en 1
ES Folositi acelasi element P14 pentru tubul 1 si 2 - **IT** Utilizza lo stesso P14 per fare il tubo 0 e il tubo 1

| | | | |
|--|---------------------|--|--|
| TUBE • ROHR BUIS • TUBO 0 | 8cm (3.15 inches) | | |
| TUBE • ROHR BUIS • TUBO 1 | 50cm (19.69 inches) | | |
| TUBE • ROHR BUIS • TUBO 2 | 56cm (22.05 inches) | | |
| TUBE • ROHR BUIS • TUBO 3 | 38cm (14.96 inches) | | |
| TUBE • ROHR BUIS • TUBO 4 | 42cm (16.54 inches) | | |
| TUBE • ROHR BUIS • TUBO 5 | 53cm (20.87 inches) | | |



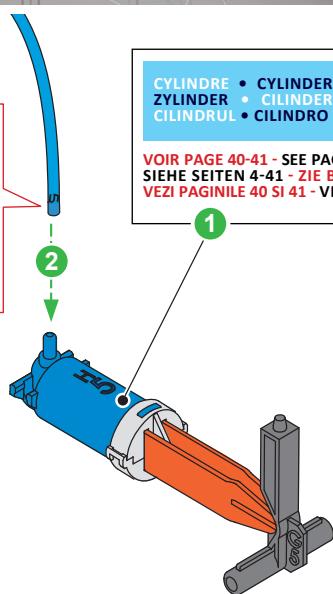
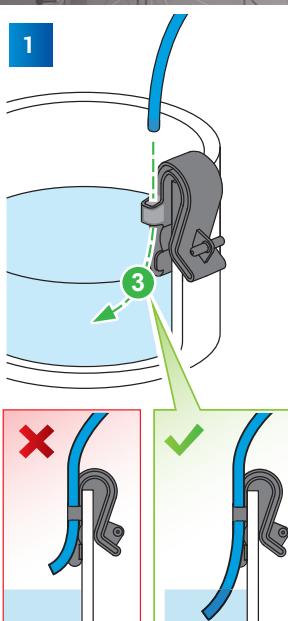
CUM SE CONECTEAZĂ TUBURILE?



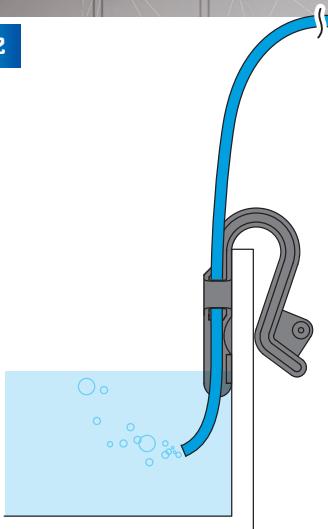
F

ASAMBLAREA MODULELOR

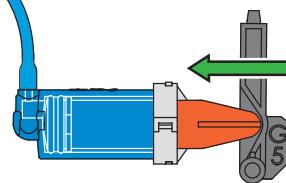
H5 cu 15



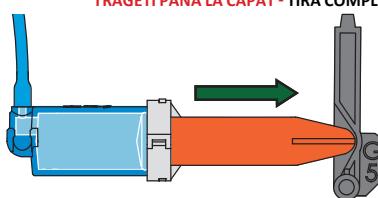
2



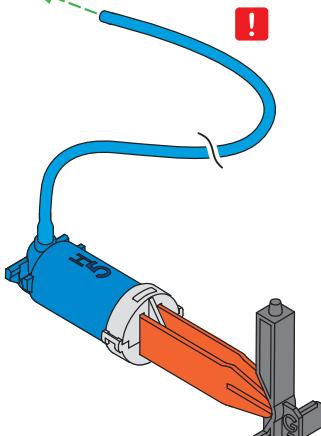
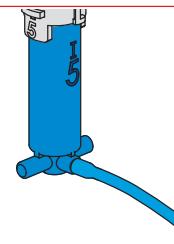
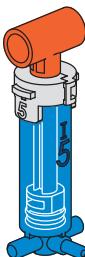
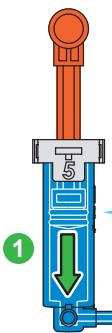
POUSSE JUSQU'AU BOUT - PUSH ALL THE WAY IN
BIS ZUM ANSCHLAG HINEINDRÜCKEN - DRUK VOLLEDIG IN
APASATI PANA LA CAPAT - PREMI FINO IN FONDO



TIRE ENTIÈREMENT - PULL ALL THE WAY OUT
VOLLSTÄNDIG HERAUSZIEHEN - TREK VOLLEDIG UIT
TRAGETI PANA LA CAPAT - TIRA COMPLETAMENTE



3



FR Appuie sur le piston jusqu'en bas
EN Press the piston to the bottom
DE Den Kolben bis nach unten drücken
NL Druk de zuiger neer
ES Apasati pistonul pana la capat

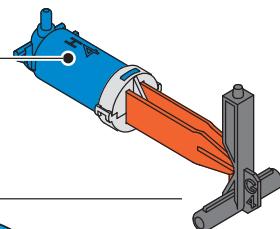
IT Premi il pistone fino in fondo

1

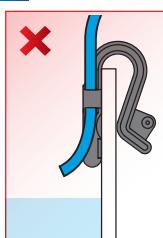
CYLINDE • CYLINDER
ZYLINDER • CILINDER
CILINDRU • CILINDRO **H4**



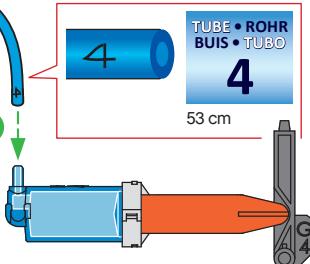
**VOIR PAGE 40-41 - SEE PAGES 40-41
SIEHE SEITEN 4-41 - ZIE BLADZIDE 40-41
VEZI PAGINILE. 40 SI 41 - VEDI PAGINA 40-41**



2



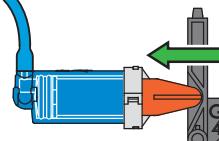
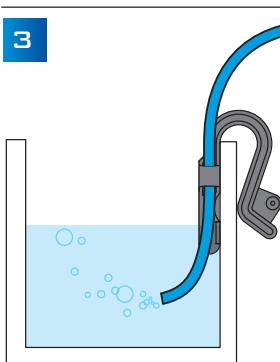
1



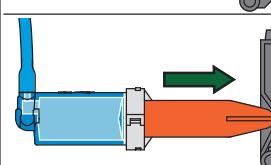
53 cm

TUBE • ROHR
BUIS • TUBO
4

3

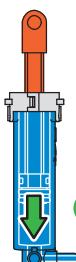


POUSSE JUSQU'AU BOUT
PUSH ALL THE WAY IN
BIS ZUM ANSCHLAG HINEINDRÜCKEN
DRUK VOLLEDIG IN
APASATI PANA LA CAPAT
PREMI FINO IN FONDO

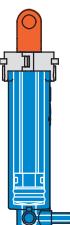


TIRE ENTIÈREMENT
PULL ALL THE WAY OUT
VOLLSTÄNDIG HERAUSZIEHEN
TREK VOLLEDIG UIT
TRAGETI PANA LA CAPAT
TIRA COMPLETAMENTE

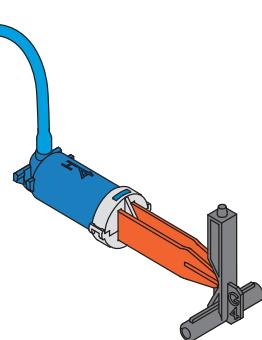
4



CYLINDE
CYLINDER
ZYLINDER
CILINDER
CILINDRU
CILINDRO
i4

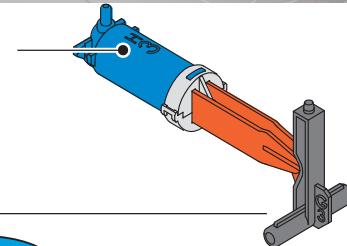
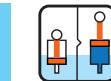


FR Appuie sur le piston jusqu'en bas
EN Press the piston to the bottom
DE Den Kolben bis nach unten drücken
NL Druk de zuiger neer
ES Apasati pistonul pana la capat
IT Premi il pistone fino in fondo



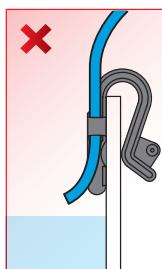
1

CYLINDE • CYLINDER
ZYLLDER • CILINDER
CILINDRUL • CILINDRO

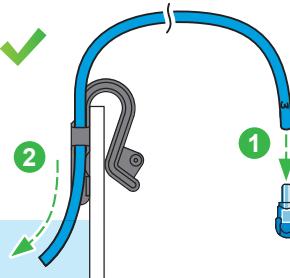


VOIR PAGE 40-41 - SEE PAGES 40-41
SIEHE SEITEN 4-41 - ZIE BLADZIJDE 40-41
VEZI PAGINILE 40 SI 41 - VEDI PAGINA 40-41

2



2

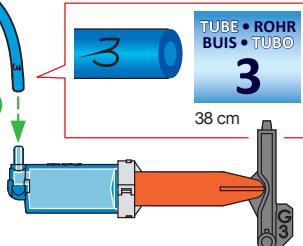


1

TUBE • ROHR
BUIS • TUBO

3

38 cm

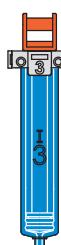


3

POUSSE JUSQU'AU BOUT
PUSH ALL THE WAY IN
BIS ZUM ANSCHLAG HINEINDRÜCKEN
DRUK VOLLEDIG IN
APASATI PANA LA CAPAT
PREMI FINO IN FONDO

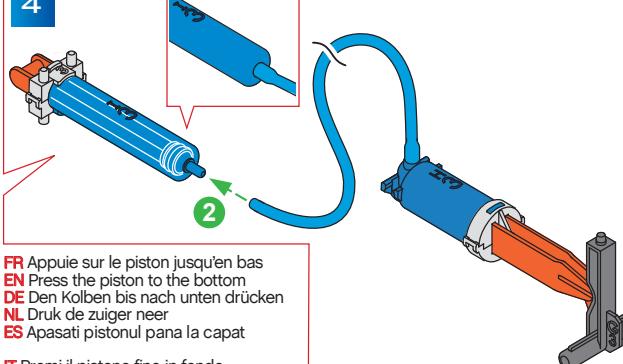
TIRE ENTIÈREMENT
PULL ALL THE WAY OUT
VOLLSTÄNDIG HERAUSZIEHEN
TREK VOLLEDIG UIT
TRAGETI PANA LA CAPAT
TIRA COMPLETAMENTE

4



FR Appuie sur le piston jusqu'en bas
EN Press the piston to the bottom
DE Den Kolben bis nach unten drücken
NL Druk de zuiger neer
ES Apasati pistonul pana la capat

IT Premi il pistone fino in fondo

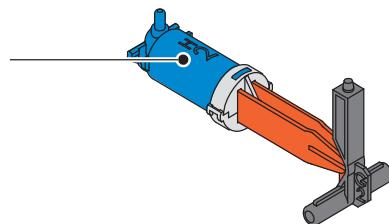


1

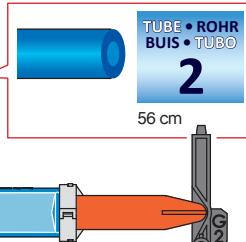
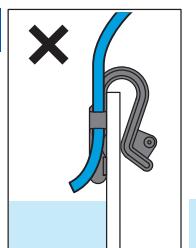
CYLINDE • CYLINDER
ZYLLIDER • CILINDER
CILINDRUL • CILINDRO



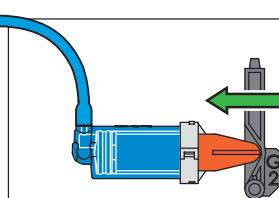
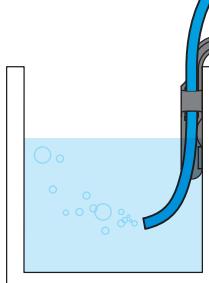
VOIR PAGE 40-41 - SEE PAGES 40-41
SIEHE SEITEN 4-41 - ZIE BLADZIJDE 40-41
VEZI PAGINILE 40 SI 41 - VEDI PAGINA 40-41



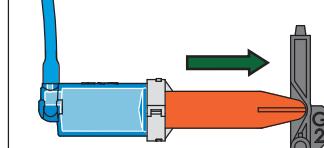
2



3



POUSSE JUSQU'AU BOUT
PUSH ALL THE WAY IN
BIS ZUM ANSCHLAG HINEINDRÜCKEN
DRUK VOLLEDIG IN
APASATI PANA LA CAPAT
PREMI FINO IN FONDO

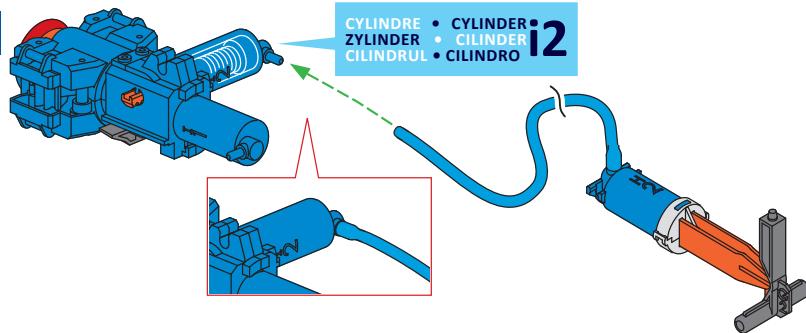


TIRE ENTIÈREMENT
PULL ALL THE WAY OUT
VOLLSTÄNDIG HERAUSZIEHEN
TREK VOLLEDIG UIT
TRAGETI PANA LA CAPAT
TIRA COMPLETAMENTE

4

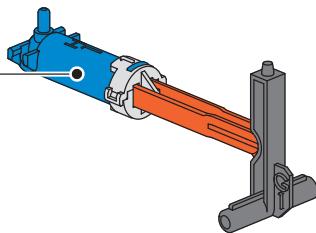
CYLINDE • CYLINDER
ZYLLIDER • CILINDER
CILINDRUL • CILINDRO

i2



1

CYLINDE • CYLINDER
ZYLLIDER • CILINDER
CILINDRUL • CILINDRO **H1**



VOIR PAGE 40-41 - SEE PAGES 40-41
SIEHE SEITEN 4-41 - ZIE BLADZIJDE 40-41 VEZI
PAGINILE 40 SI 41 - VEDI PAGINA 40-41

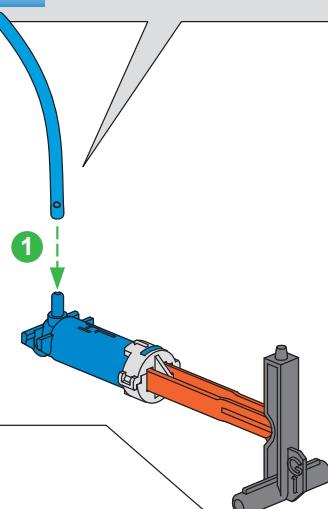
2

TUBE • ROHR
BUIS • TUBO

0

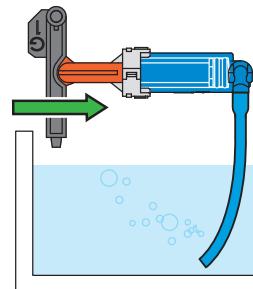
1:1

8cm

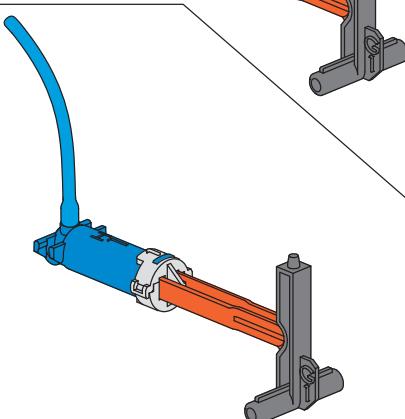


2

POUSSE JUSQU'AU BOUT
PUSH ALL THE WAY IN
BIS ZUM ANSCHLAG HINEINDRÜCKEN
DRUK VOLLEDIG IN
APASATI PANA LA CAPAT
PREMI FINO IN FONDO

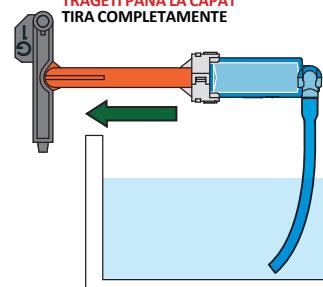


3



3

TIRE ENTIÈREMENT
PULL ALL THE WAY OUT
VOLLSTÄNDIG HERAUSZIEHEN
TREK VOLLEDIG UIT
TRAGETI PANA LA CAPAT
TIRA COMPLETAMENTE



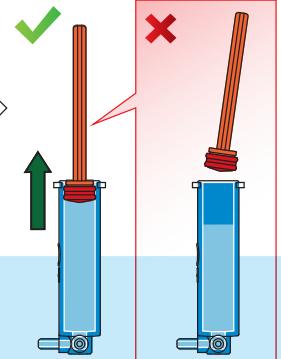
4

POUSSÉ JUSQU'AU BOUT
PUSH ALL THE WAY IN
BIS ZUM ANSCHLAG
HINEINDRÜCKEN DRUK
VOLLEDIG IN
APASATI PANA LA CAPAT
PREMI FINO IN FONDO

CYLINDE
CYLINDER
ZYLINDER
CILINDER
CILINDRO
CILINDRO

H0

TIRE ENTIÈREMENT
PULL ALL THE WAY OUT
VOLLSTÄNDIG HERAUSZIEHEN
TREK VOLLEDIG UIT
TRAGETI PANA LA CAPAT
TIRA COMPLETAMENTE

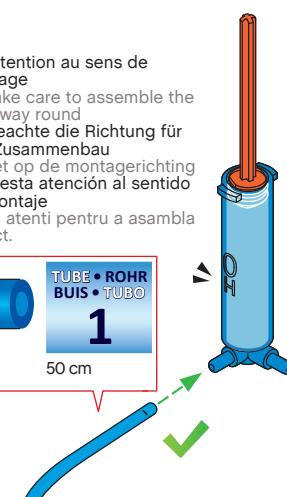


FR Attention au sens de
montage
EN Take care to assemble the
right way round
DE Beachte die Richtung für
den Zusammenbau
NL Let op de montagerichting
ES Presta atención al sentido
de montaje
IT Fiti atenti pentru a asambla
corect.

TUBE • ROHR
BUIS • TUBO

1

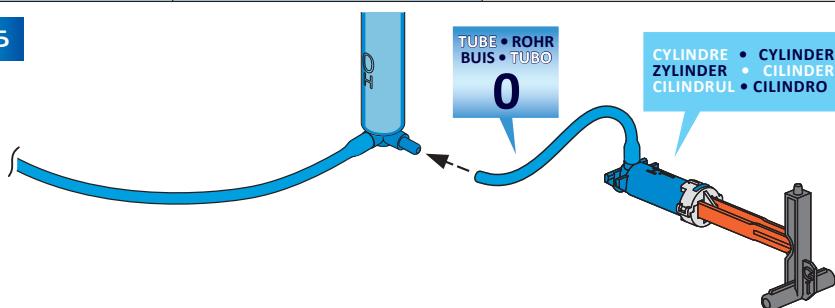
50 cm

**5**

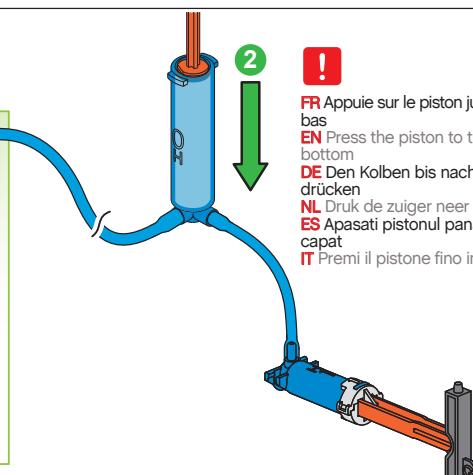
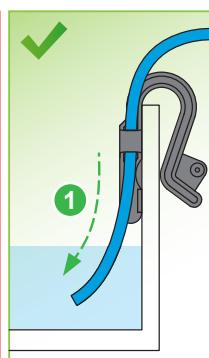
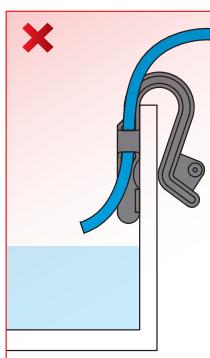
TUBE • ROHR
BUIS • TUBO

0

CYLINDE • **CYLINDER**
ZYLINDER • **CILINDER**
CILINDRUL • **CILINDRO**

H1**6**

FR Appuie sur le piston jusqu'en
bas
EN Press the piston to the
bottom
DE Den Kolben bis nach unten
driicken
NL Druk de zuiger neer
ES Apasati pistonul pana la
capat
IT Premi il pistone fino in fondo



7

P12

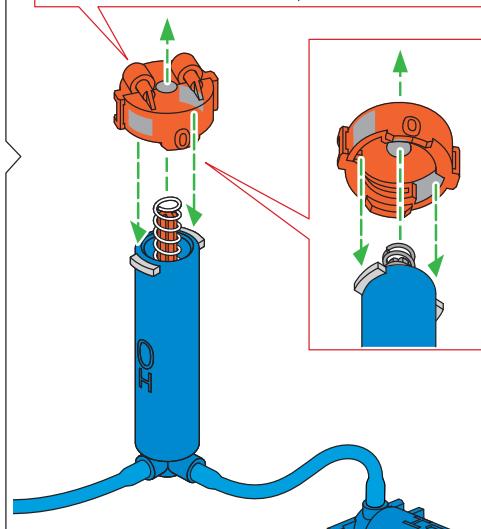
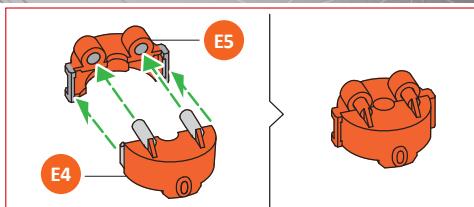
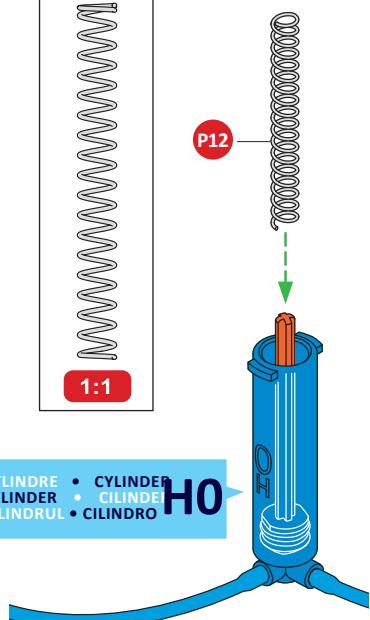


P12

1:1

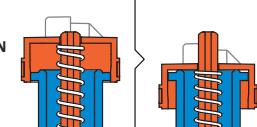
CYLINDE
• CYLINDER
ZYLLDER • CILINDER
CILINDRUL • CILINDRO

H0

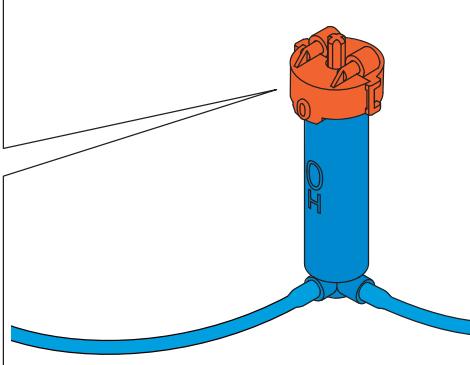
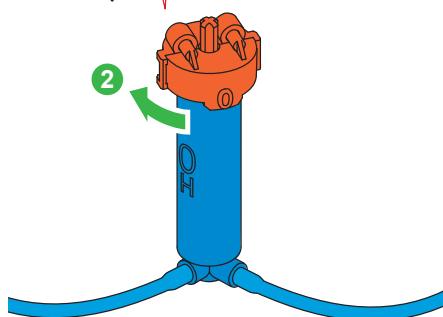


8

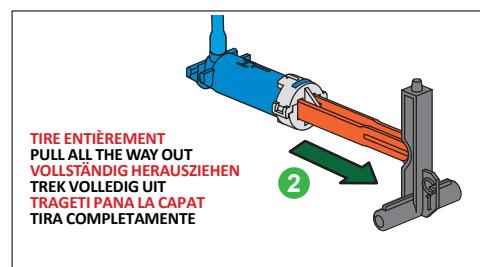
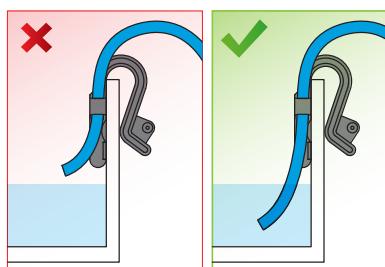
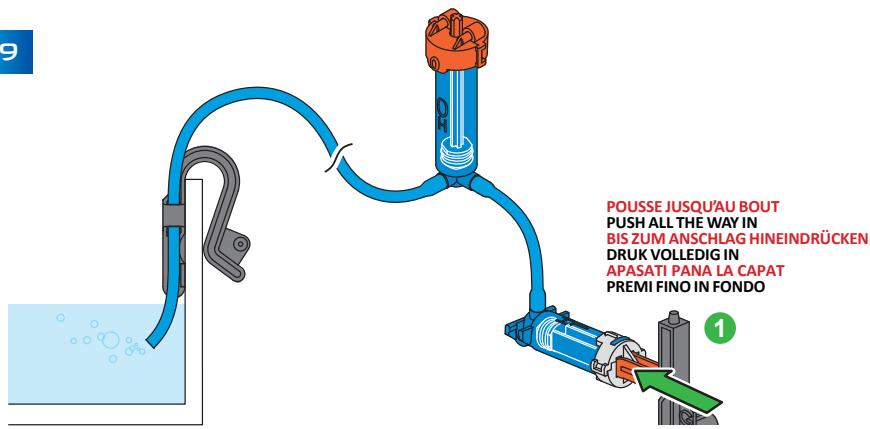
1 POUSSÉ
PUSH
DRÜCKEN
DRUK AAN
APASA
PREMI



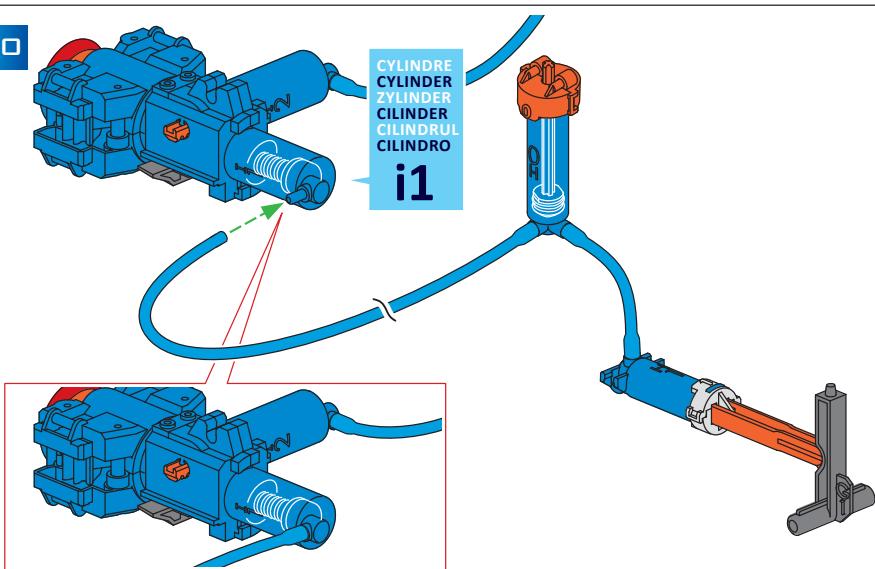
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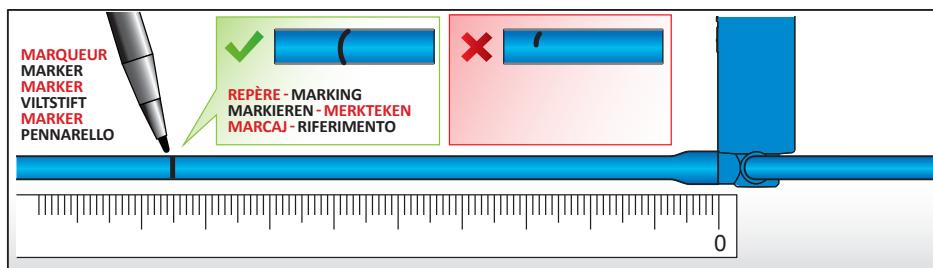


9

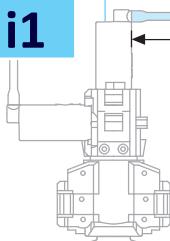


10

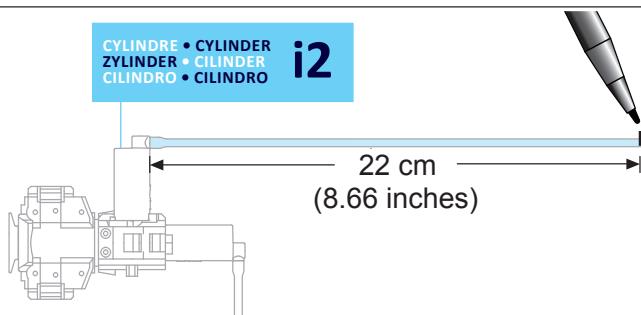




CYLINDE
CYLINDER
ZYLLINDER
CILINDER
CILINDRO
CILINDRO



LES SCHÉMAS NE SONT PAS À L'ÉCHELLE
THE DIAGRAMS ARE NOT TO SCALE
DIE ABBILDUNGEN SIND NICHT MASSTABSGERECHT
DE SCHEMA'S ZIJN NIET OP SCHAL GETEKEND
SCHEMLE NU SUNT LA SCARA REALA
GLI SCHEMI NON SONO IN SCALA

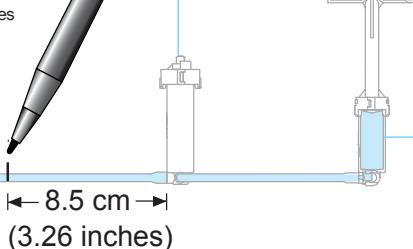


TUBE • ROHR
BUIS • TUBO
1

50 cm
16.69 inches

CYLINDE • CYLINDER
ZYLLINDER • CILINDER
CILINDRO • CILINDRO

H0



CYLINDE • CYLINDER
ZYLLINDER • CILINDER
CILINDRO • CILINDRO

H1

TUBE • ROHR
BUIS • TUBO
2

56 cm
22.05 inches

CYLINDE • CYLINDER
ZYLLINDER • CILINDER
CILINDRO • CILINDRO

H2

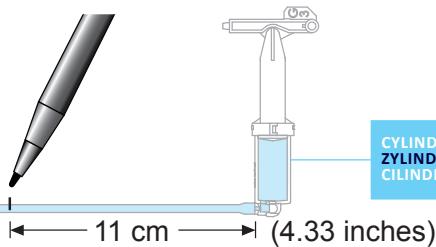
13.5 cm
(5.31 inches)

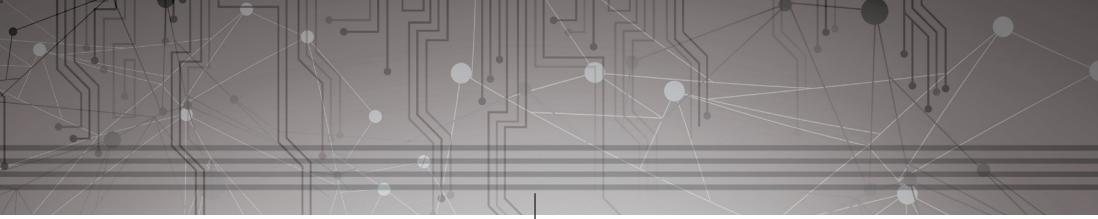
TUBE • ROHR
BUIS • TUBO
3

38 cm
14.96 inches

CYLINDE • CYLINDER
ZYLLINDER • CILINDER
CILINDRO • CILINDRO

H3





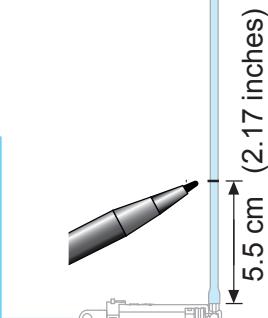
H4

CYLINDE • CYLINDER
ZYLLINDER • CILINDER
CILINDRO • CILINDRO

4

TUBE • ROHR
BUIS • TUBO

42 cm
16.54 inches



i4

CYLINDE • CYLINDER
ZYLLINDER • CILINDER
CILINDRO • CILINDRO

13.5 cm
(5.31 inches)

5.5 cm (2.17 inches)

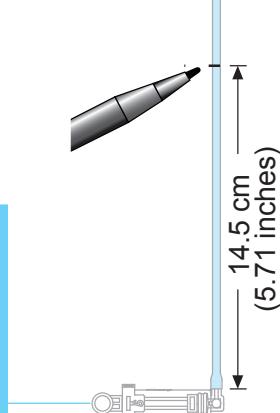
H5

CYLINDE • CYLINDER
ZYLLINDER • CILINDER
CILINDRO • CILINDRO

4

TUBE • ROHR
BUIS • TUBO

42 cm
16.54 inches



i5

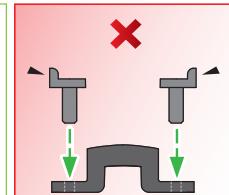
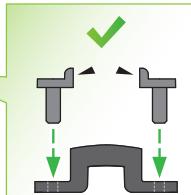
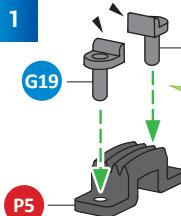
CYLINDE • CYLINDER
ZYLLINDER • CILINDER
CILINDRO • CILINDRO

15.5 cm
(6.10 inches)

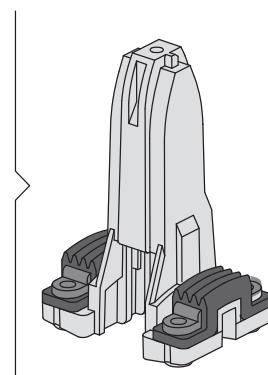
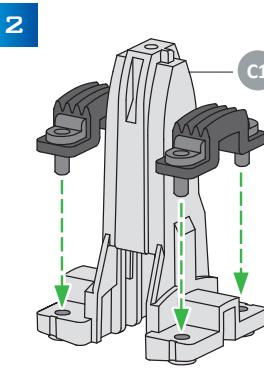
14.5 cm
(5.71 inches)



FR Important : Lave et sèche tes mains avant de manipuler les **P5**.
EN Important: wash and dry your hands before handling the **P5**.
DE Wichtig: Vor dem Hantieren mit P5 die Hände waschen und abtrocknen
NL Belangrijk: Was en droog je handen goed vooraleer je de **P5** vastneemt
ES Nota importante: Spalati-va si uscati-va mainile inainte de a monta piesa P5
IT Importante: Prima di manipolare i **P5**, lava e asciuga le mani.
IT Importante:



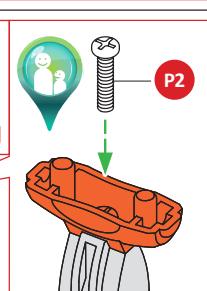
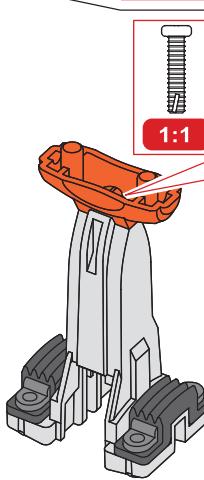
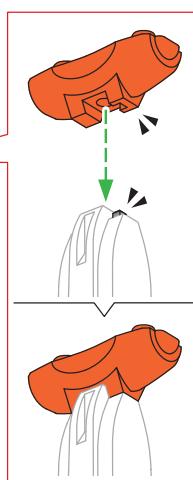
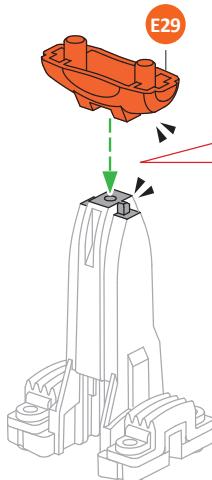
×10



**POUSSE - PUSH - DRÜCKEN
DRUK AAN - APASA - PREMI**



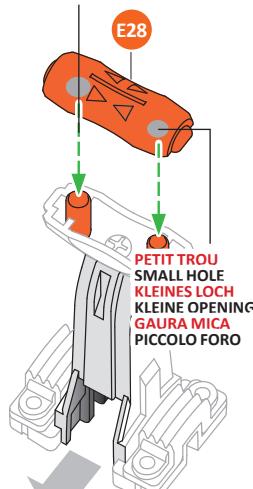
**POUSSE JUSQU'AU BOUT
PUSH ALL THE WAY IN
BIS ZUM ANSCHLAG HINEINDRÜCKEN
DRUK VOLLEDIG IN
APASATI PANA LA CAPAT
PREMI FINO IN FONDO**



×5

3

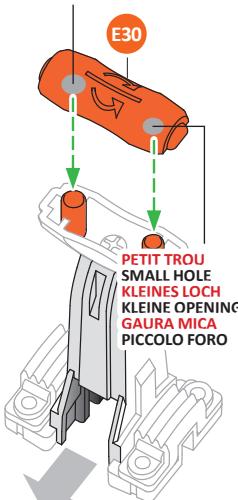
GRAND TROU - LARGE HOLE
GROSSES LOCH - GROTE OPENING
GAURA MARE - GRANDE FORO



AVANT - FRONT
BEDRUCKT - VOORKANT
PARTEA FRONTALA -
ANTERIORE

4

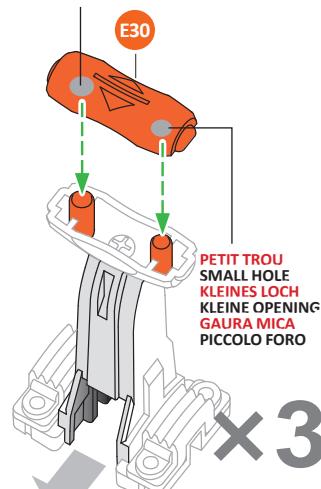
GRAND TROU - LARGE HOLE
GROSSES LOCH - GROTE OPENING
GAURA MARE - GRANDE FORO



AVANT - FRONT
BEDRUCKT - VOORKANT
PARTEA FRONTALA -
ANTERIORE

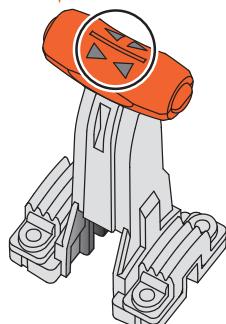
5

GRAND TROU - LARGE HOLE
GROSSES LOCH - GROTE OPENING
GAURA MARE - GRANDE FORO

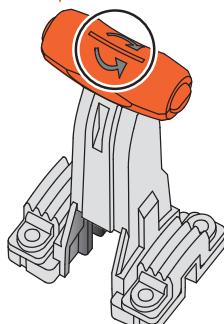


AVANT - FRONT
BEDRUCKT - VOORKANT
PARTEA FRONTALA -
ANTERIORE

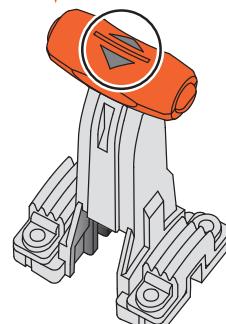
LEVIER • LEVER
HEBEL • HEFBOOM
MANETA • LEVA

1

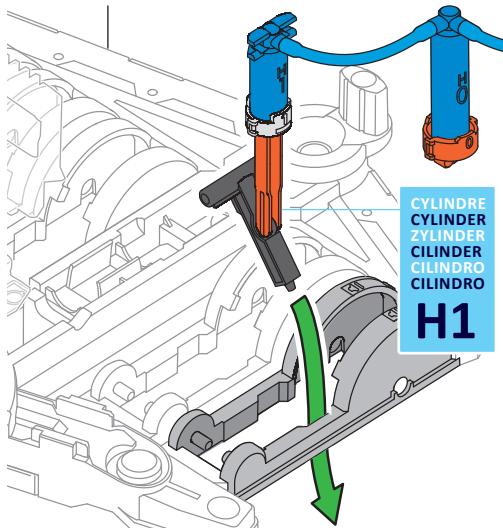
LEVIER • LEVER
HEBEL • HEFBOOM
MANETA • LEVA

2

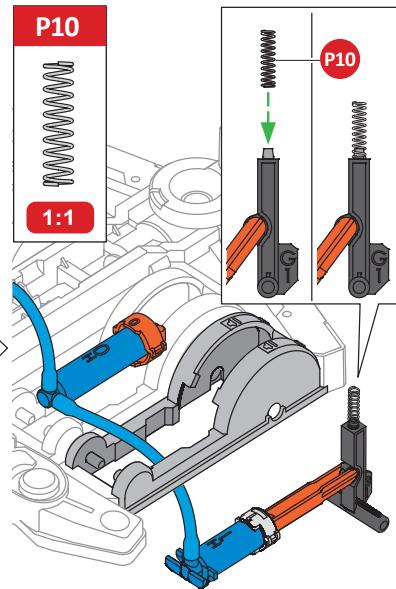
LEVIER • LEVER
HEBEL • HEFBOOM
MANETA • LEVA

3.4.5

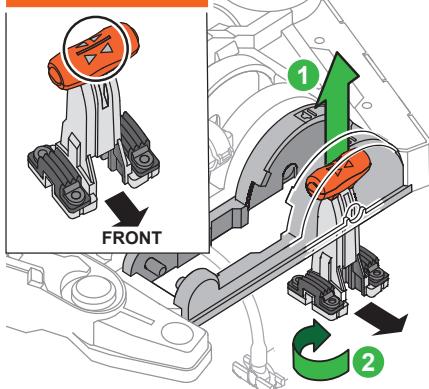
1 ZONE DE CONTRÔLE - CONTROL AREA
STEERUNG - BESTURNGSGEDEELTE
ZONA DE CONTROL - ZONA DI CONTROLLO

**P10**

1:1



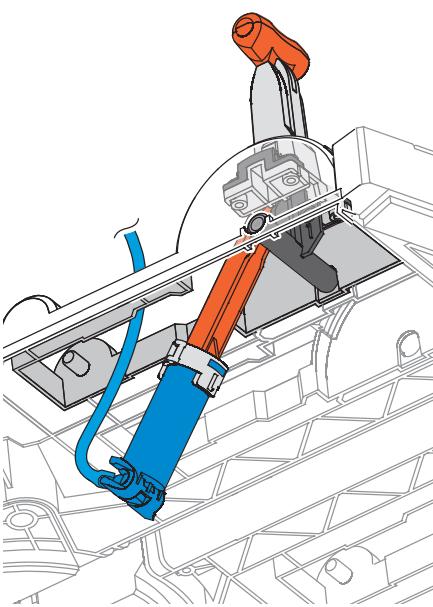
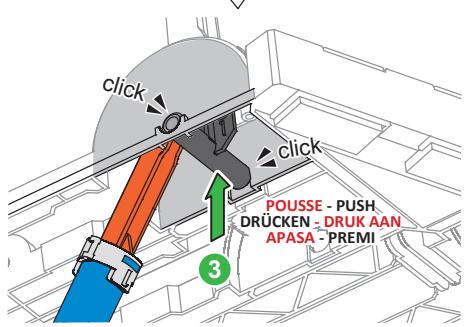
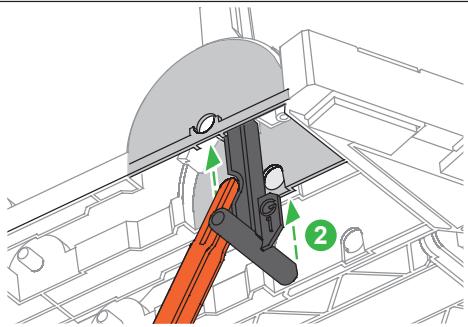
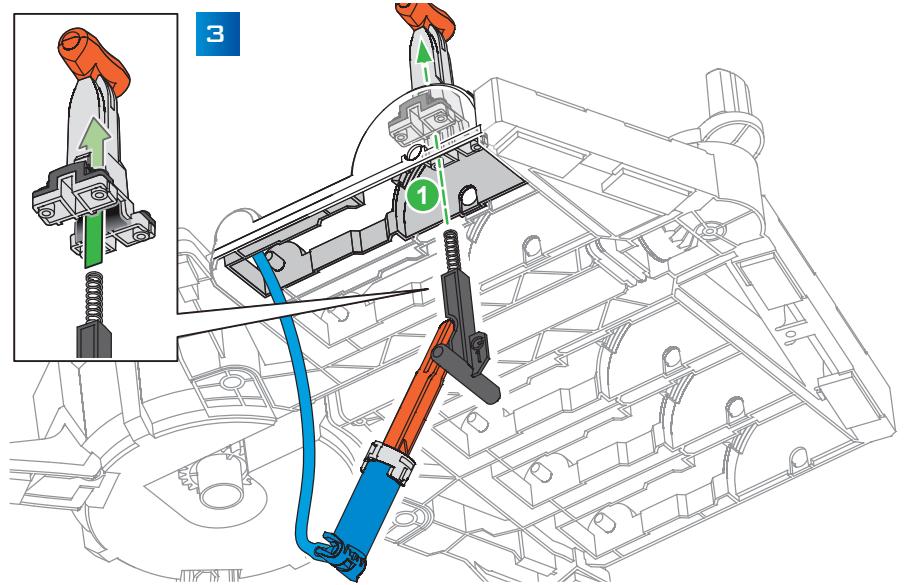
2
LEVIER • LEVER
HEBEL • HEFBOM
MANETA • LEVA **1**



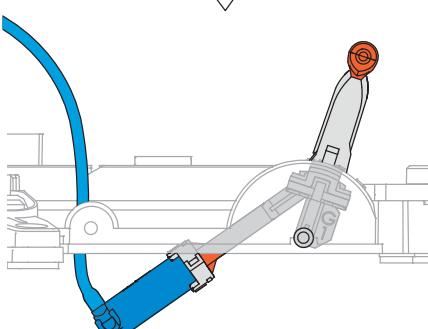
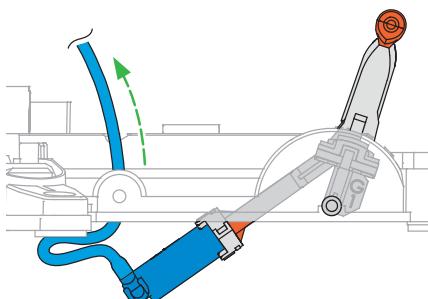
FR Attention au sens de montage
EN Take care to assemble the right way round
DE Beachte die Richtung für den Zusammenbau
NL Let op de montagerichting
ES Fíti atentí pentru a asambla în mod corect.
IT Attenzione al senso di montaggio



VUE DE FACE - FRONT VIEW ANSICHT
VON VORN - VOORAANZICHT
VEDERE DIN FATA - VISTA DA DAVANTI

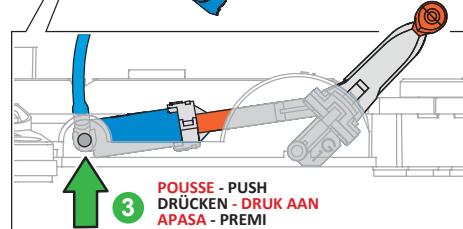
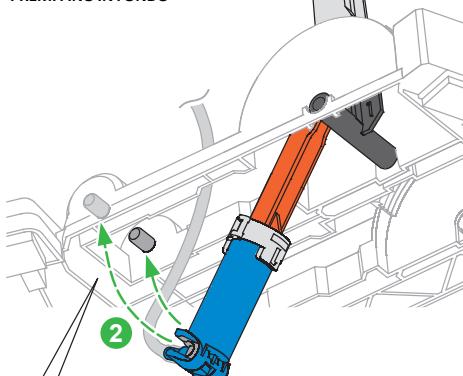


4



5

POUSSE JUSQU'AU BOUT
PUSH ALL THE WAY IN
BIS ZUM ANSCHLAG HINEINDRÜCKEN
DRUK VOLLEDIG IN
APASAT PANA LA CAPAT
PREMI FINO IN FONDO

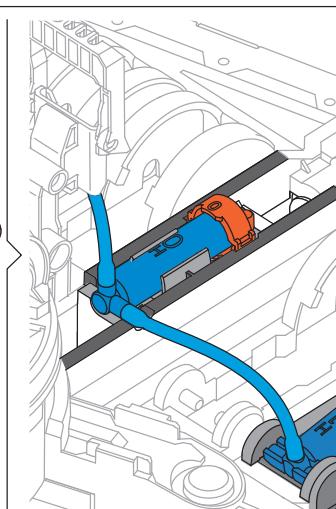
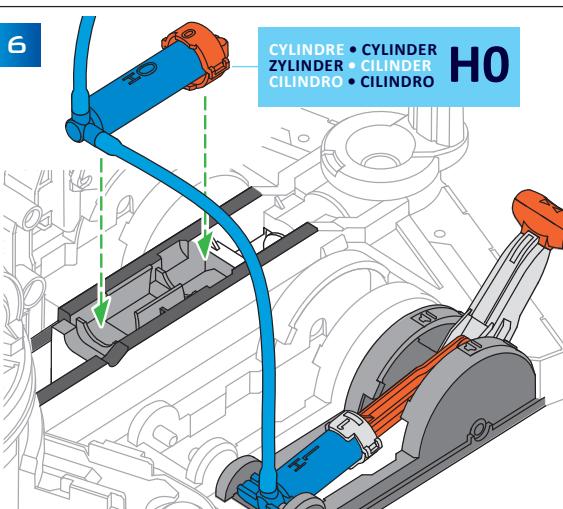


POUSSE - PUSH
DRÜCKEN - DRUK AAN
APASA - PREMI

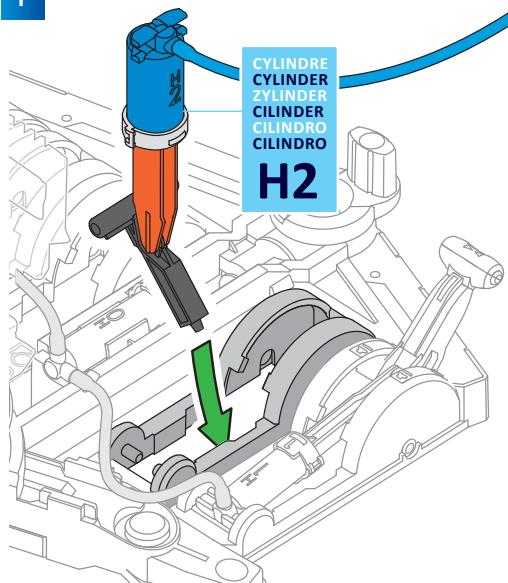
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CYLINDE • CYLINDER
ZYLINDER • CYLINDER
CILINDRO • CILINDRO

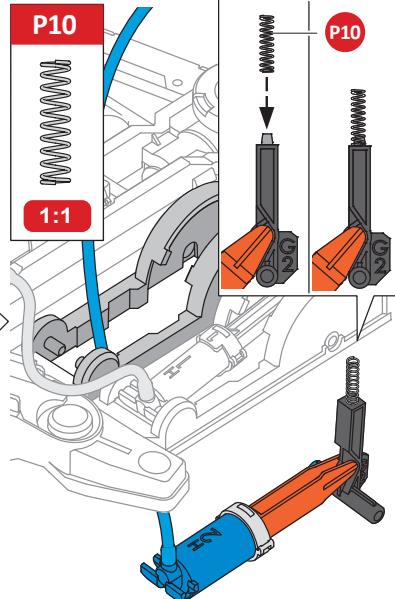
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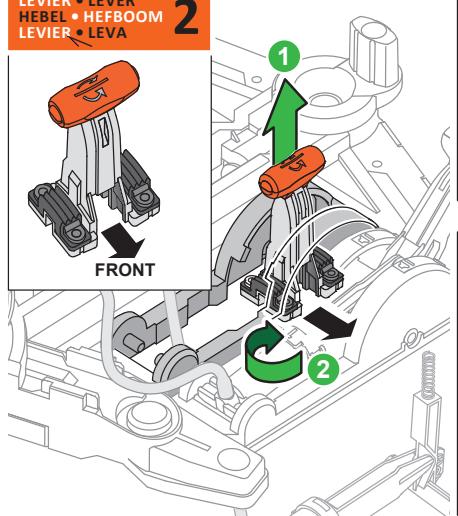


P10



2

**LEVIER • LEVER
HEBEL • HEFBOOM 2**



FR Attention au sens de montage

EN Take care to assemble the right way round

DE Beachte die Richtung für den Zusammenbau

NL Let op de montagerichting

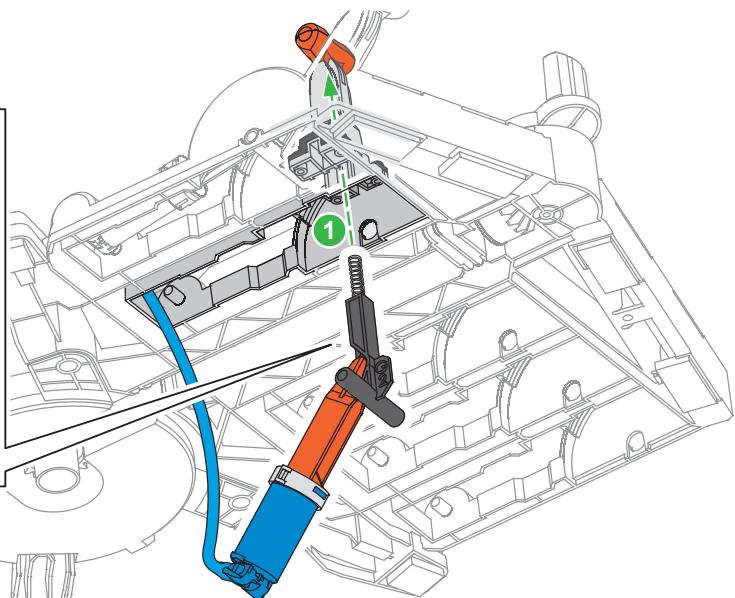
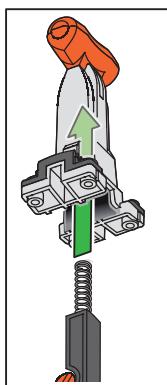
ES Fíti atentí pentru a asambla corect.

IT Attenzione al senso di montaggio

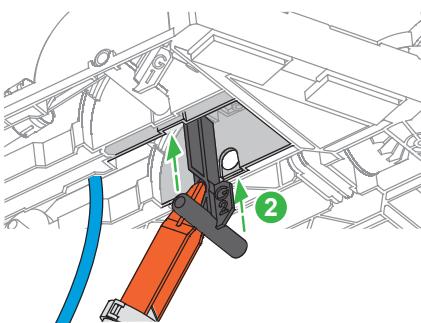


**VUE DE FACE - FRONT VIEW
ANSICHT VON VORN - VOORANZICHT
VEDERE DIN FATA - VISTA DA DAVANTI**

3

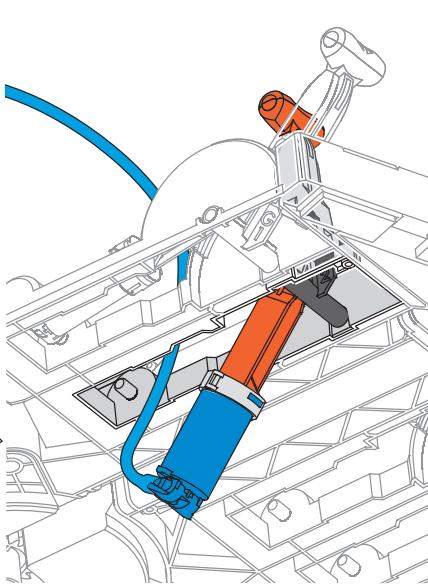
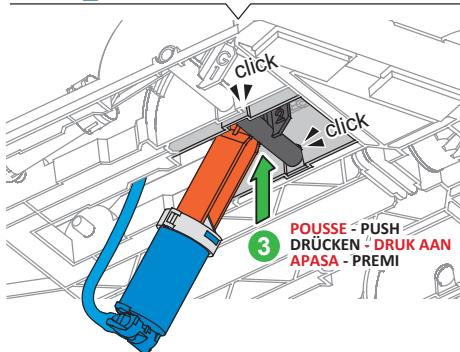


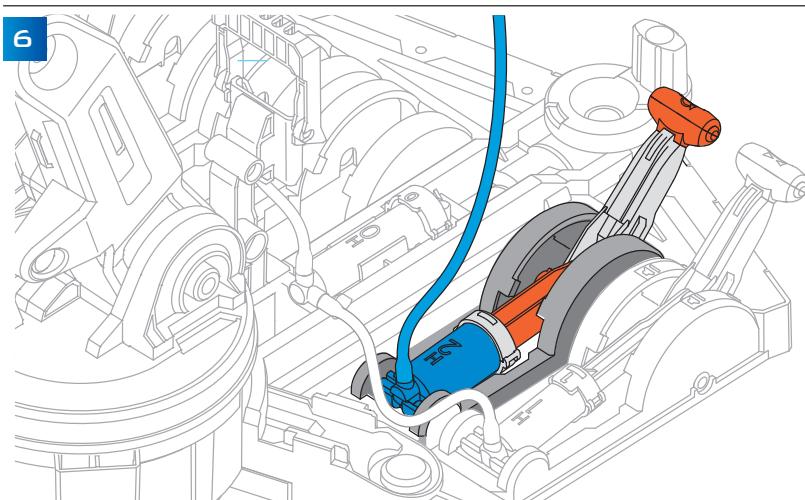
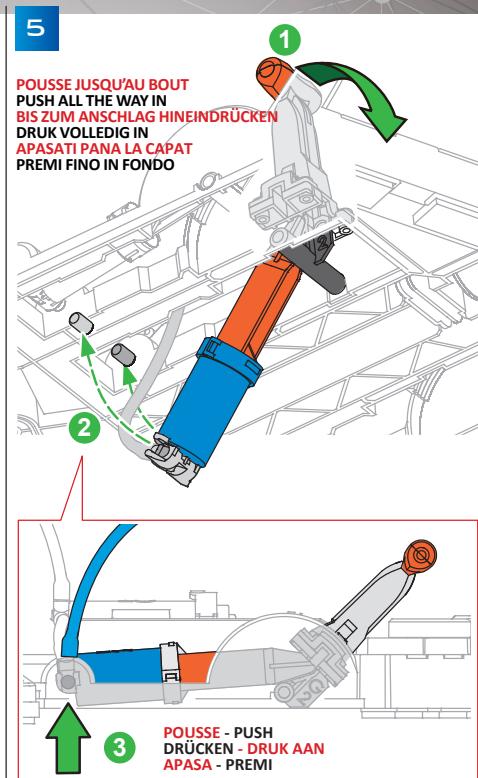
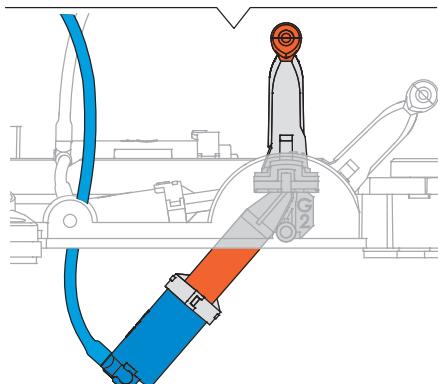
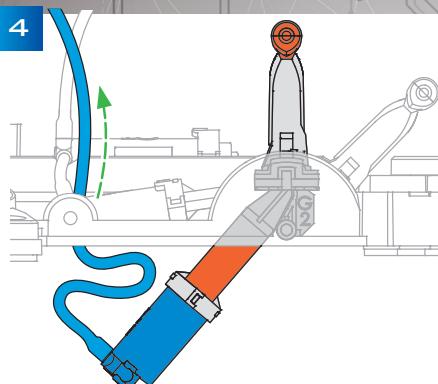
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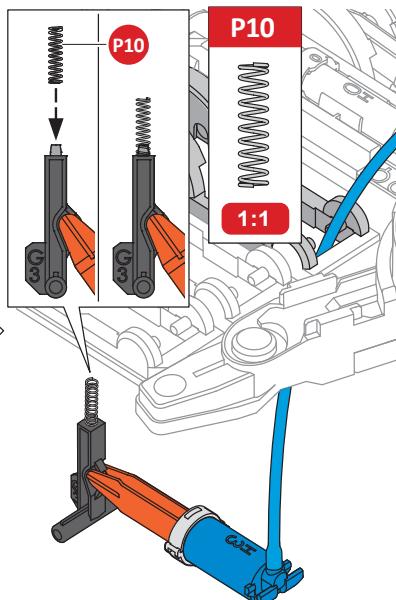
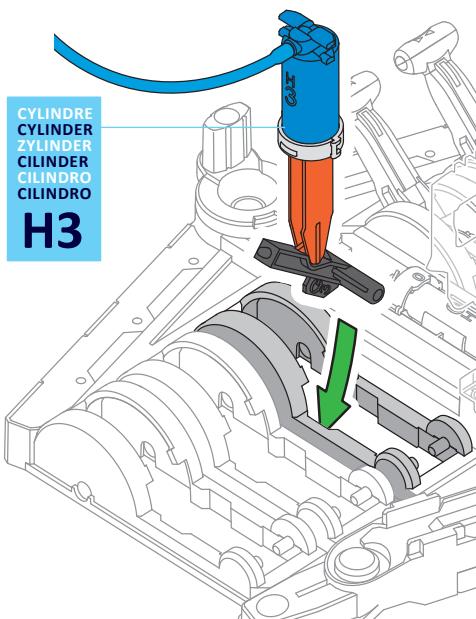
click
click

3 POUSSÉ - PUSH
DRÜCKEN - DRUK AAN
APASA - PREMI

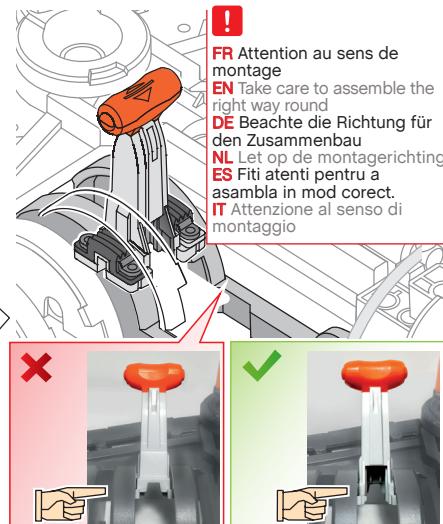
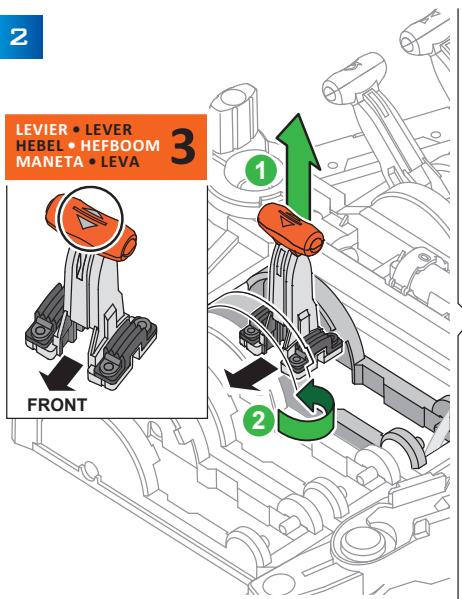




1

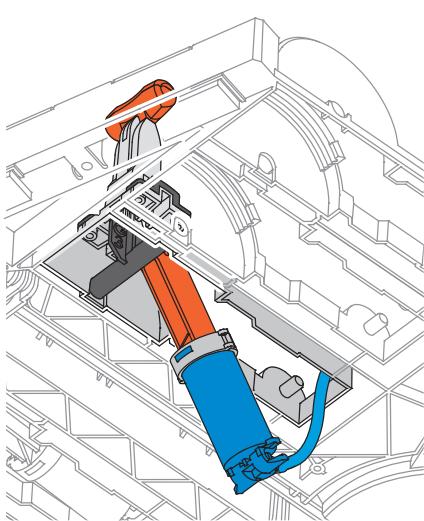
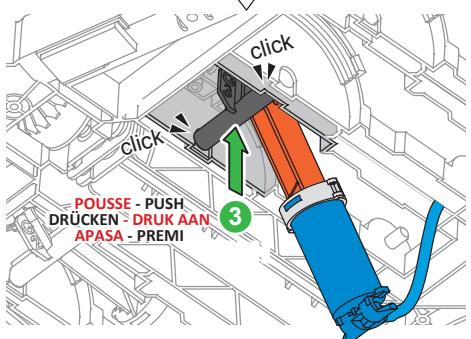
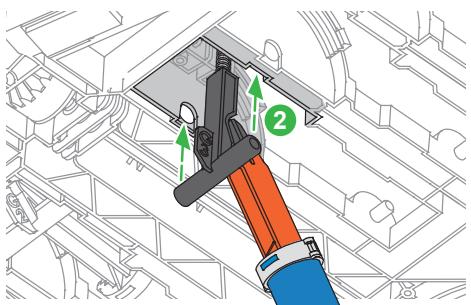
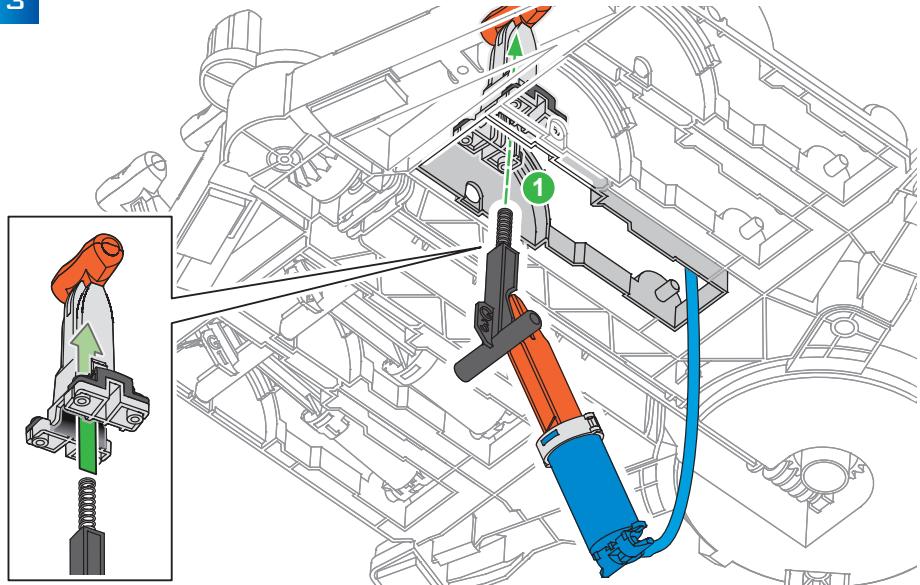


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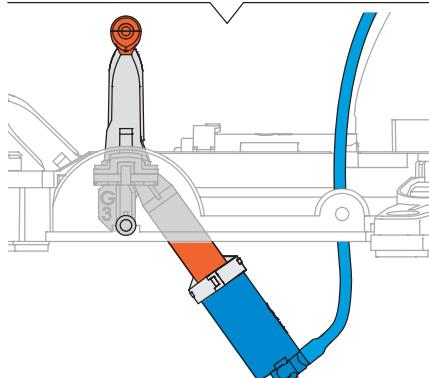
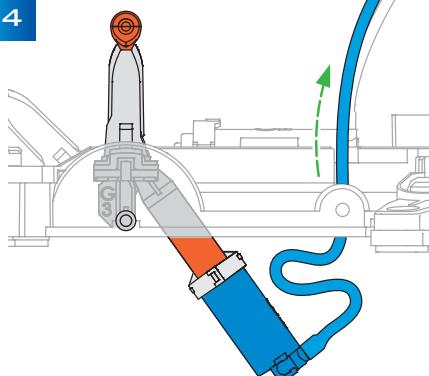


VUE DE FACE - FRONT VIEW
ANSICHT VON VORN - VOORANZICHT
VEDERE DIN FATA - VISTA DA DAVANTI

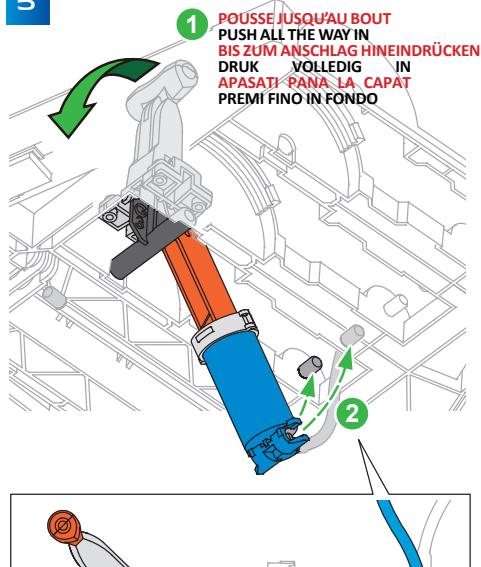
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4



5



1

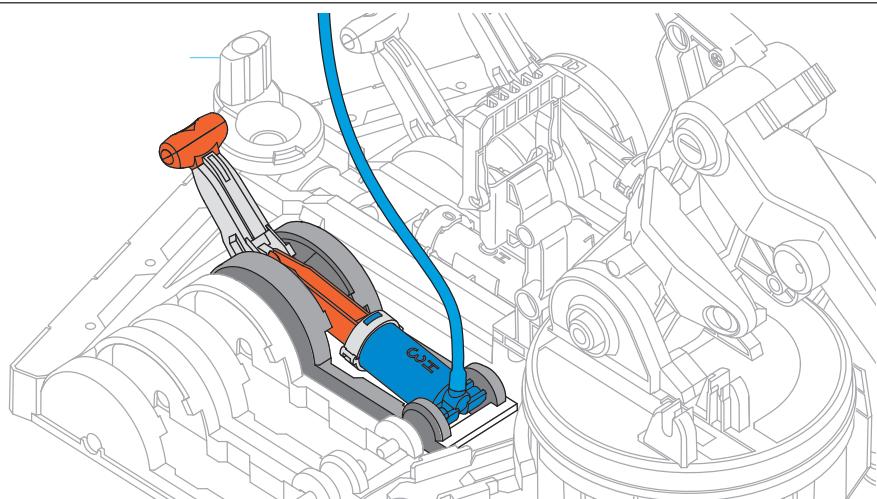
POUSSE JUSQU'AU BOUT
PUSH ALL THE WAY IN
BIS ZUM ANSCHLAG HINEINDRÜCKEN
DRUK VOLLEDIG IN
APASATI PANA LA CAPAT
PREMI FINO IN FONDO

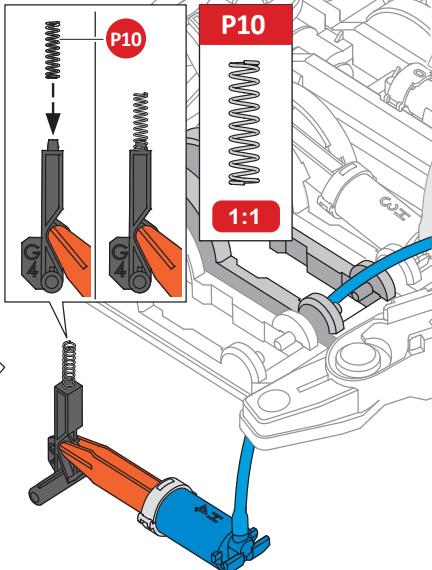
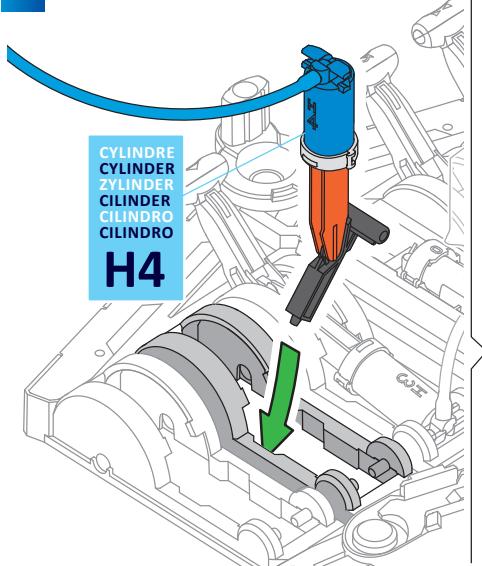
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3

POUSSE - PUSH
DRÜCKEN - DRUK AAN
APASA - PREMI

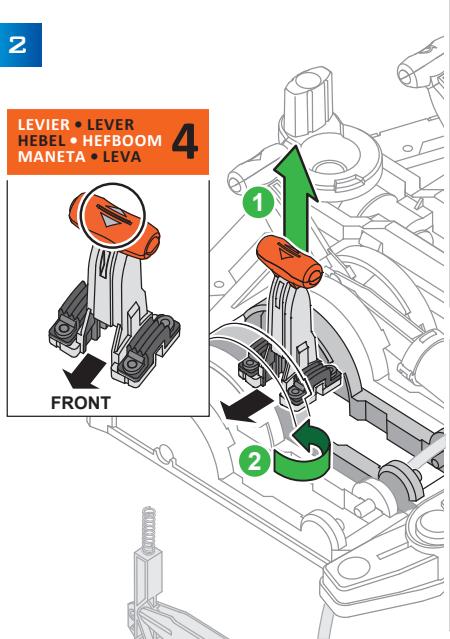
6



1**2**

**LEVIER • LEVER
HEBEL • HEFBOOM
MANETA • LEVA**

4



FR Attention au sens de montage

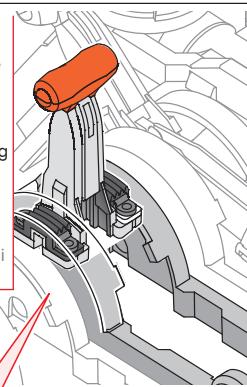
EN Take care to assemble the right way round

DE Beachte die Richtung für den Zusammenbau

NL Let op de montagerichting

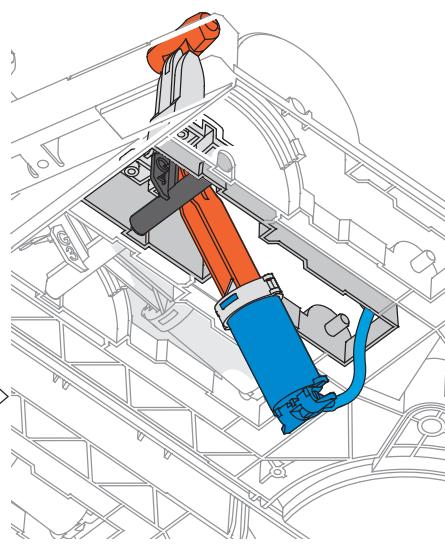
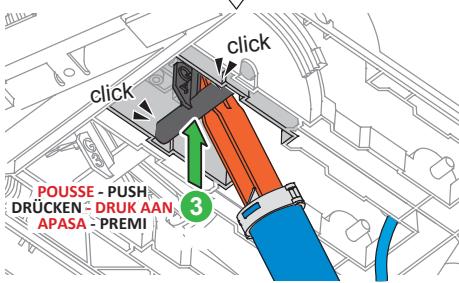
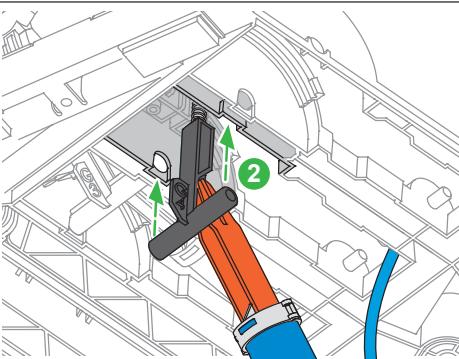
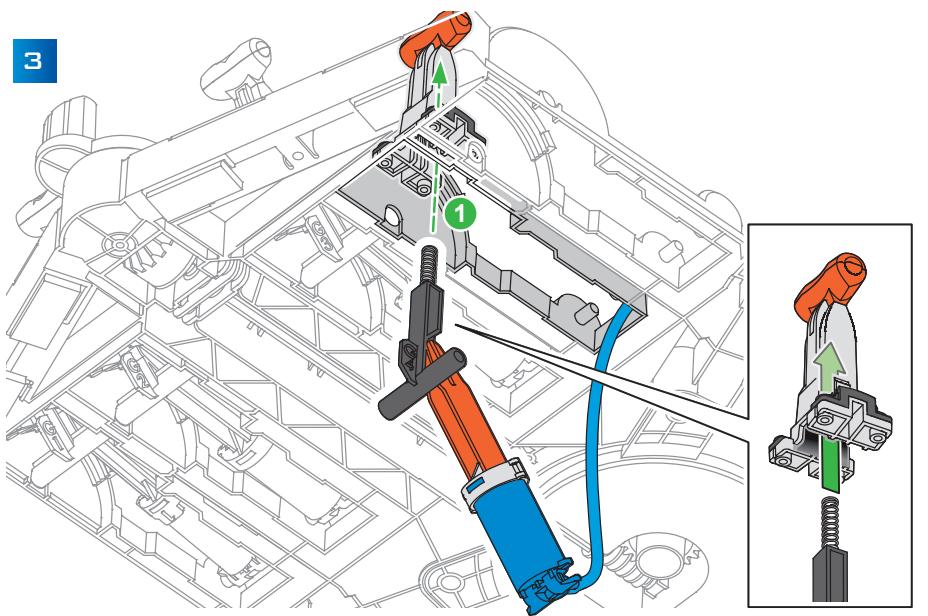
ES Fíti atenti pentru a asambla în mod corect

IT Attenzione al senso di montaggio

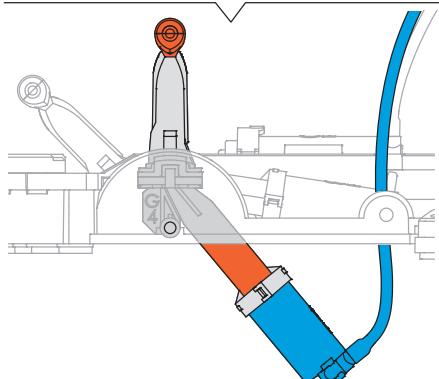
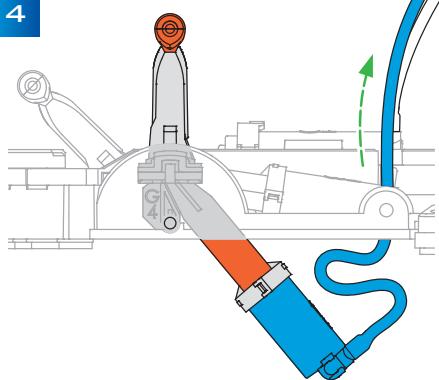


**VUE DE FACE - FRONT VIEW ANSICHT
VON VORN - VOORANZICHT
VEDERE DIN FATA - VISTA DA DAVANTI**

3



4

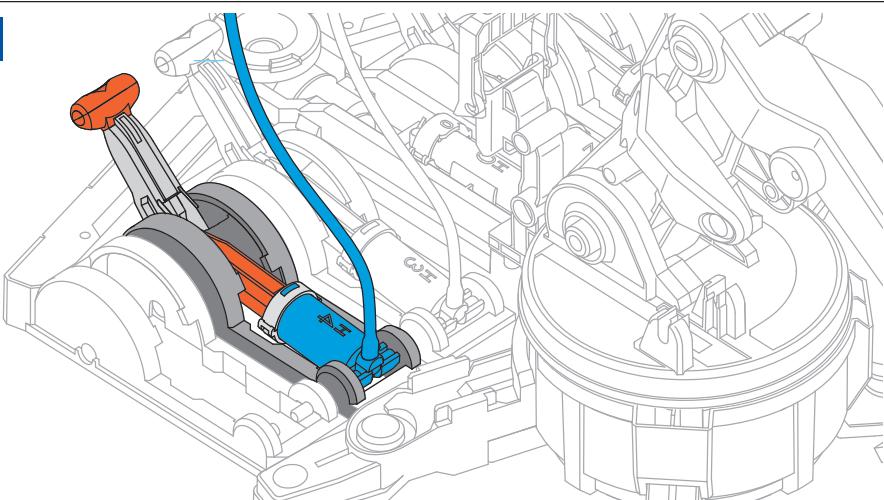


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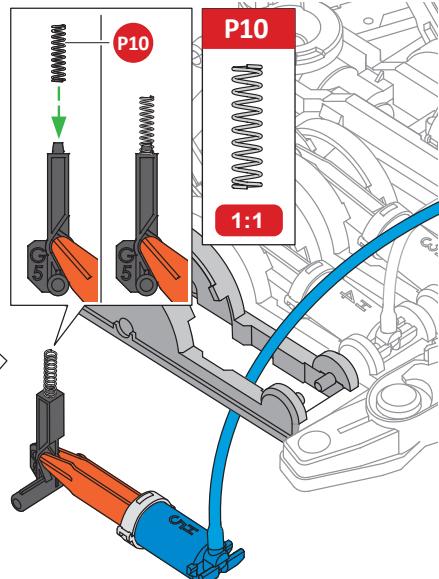
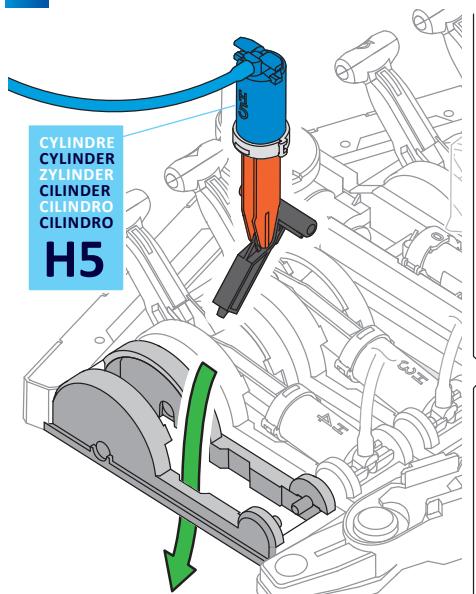
POUSSE JUSQU'AU BOUT
PUSH ALL THE WAY IN
BIS ZUM ANSCHLAG HINEINDRÜCKEN
DRUK VOLLEDIG IN
EMPUJA A FONDO
APASATI PANA LA CAPAT

3 POUSSÉ - PUSH
DRÜCKEN - DRUK AAN
APASA - PREMI

6

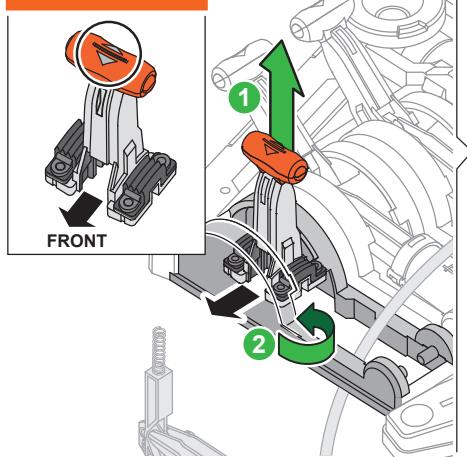


1



2

LEVIER • LEVER
HEBEL • HEFBOOM
MANETA • LEVA **5**



FR Attention au sens de montage

EN Take care to assemble the right way round

DE Beachte die Richtung für den Zusammenbau

NL Let op de montagerichting

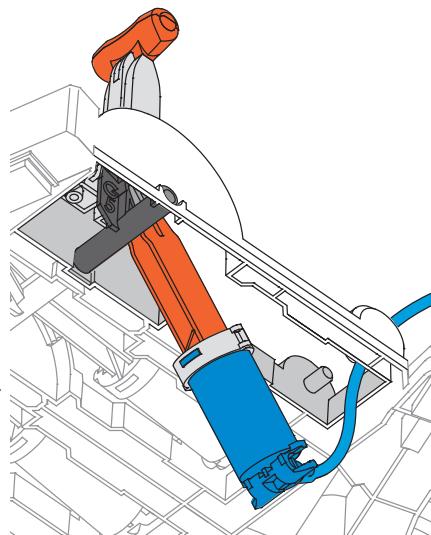
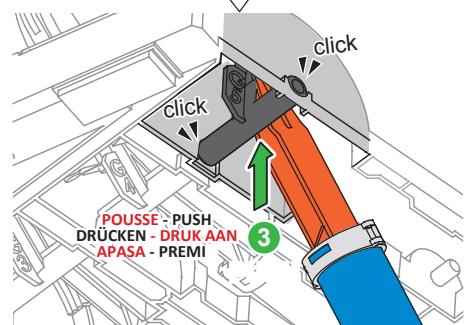
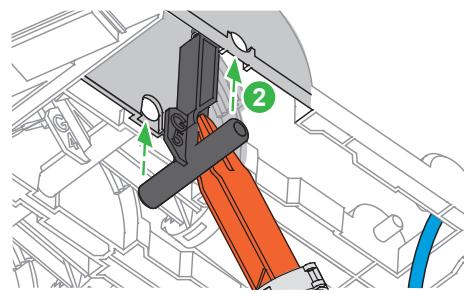
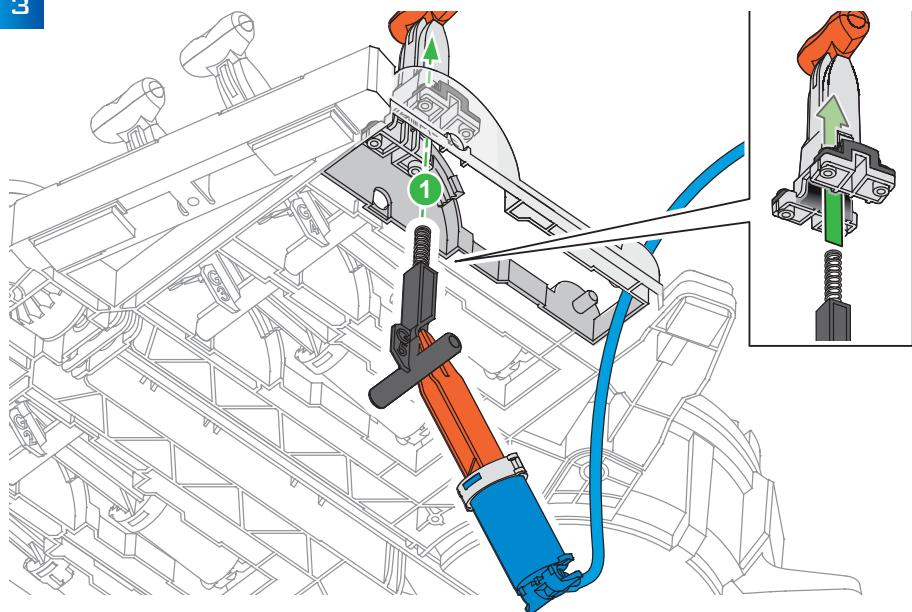
ES Fíti ateni pentru a asambla în mod corect

IT Attenzione al senso di montaggio

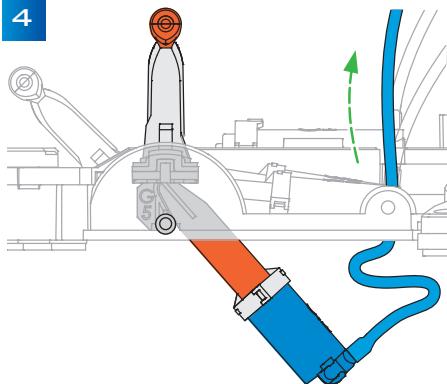


VUE DE FACE - FRONT VIEW ANSICHT
VON VORN - VOORANZICHT
VEDERE DIN FATA - VISTA DA DAVANTI

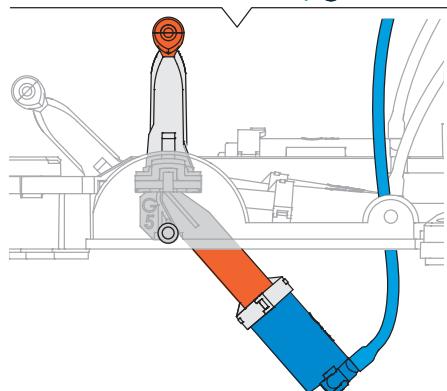
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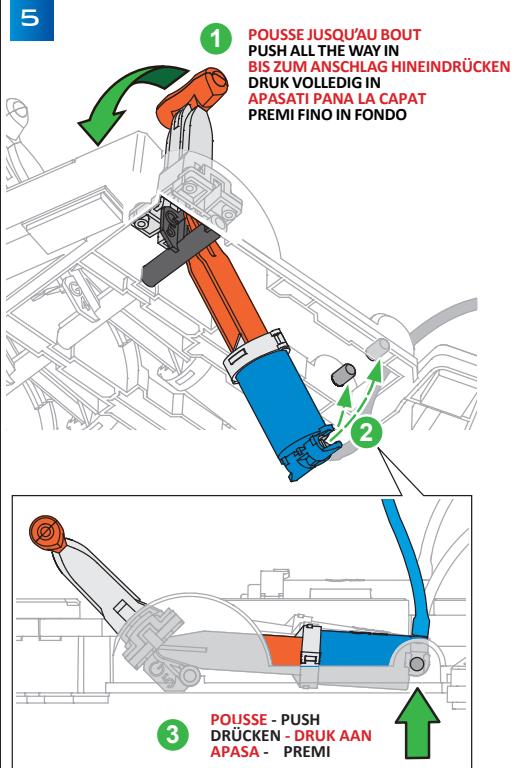
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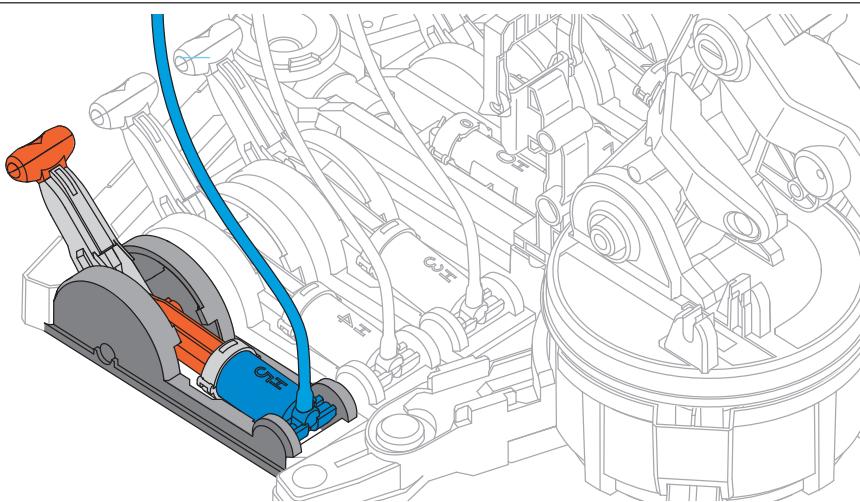
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5



6





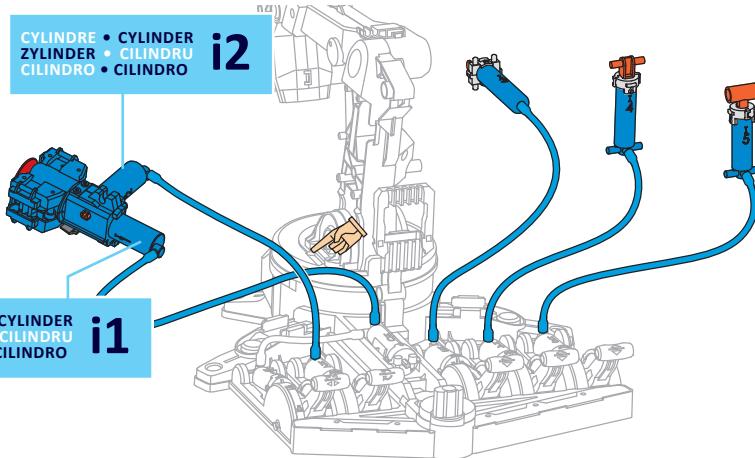
1

CYLINDERE • CYLINDER
ZYLINDER • CILINDRU
CILINDRO • CILINDRO

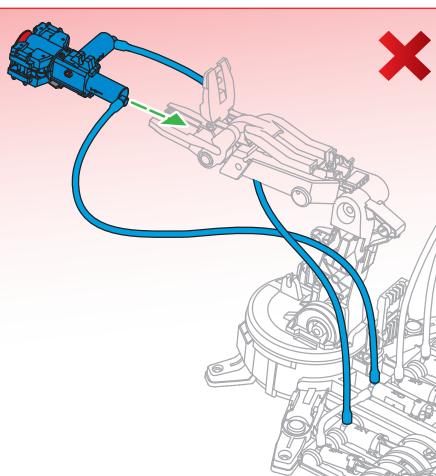
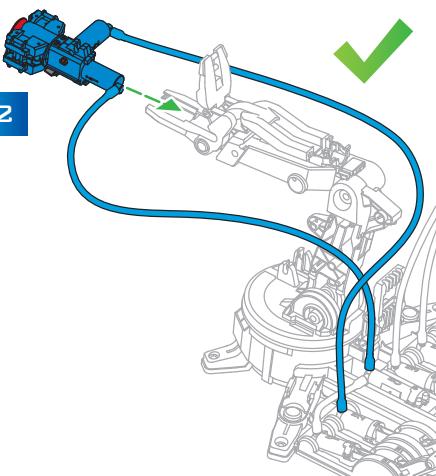
i2

CYLINDERE • CYLINDER
ZYLINDER • CILINDRU
CILINDRO • CILINDRO

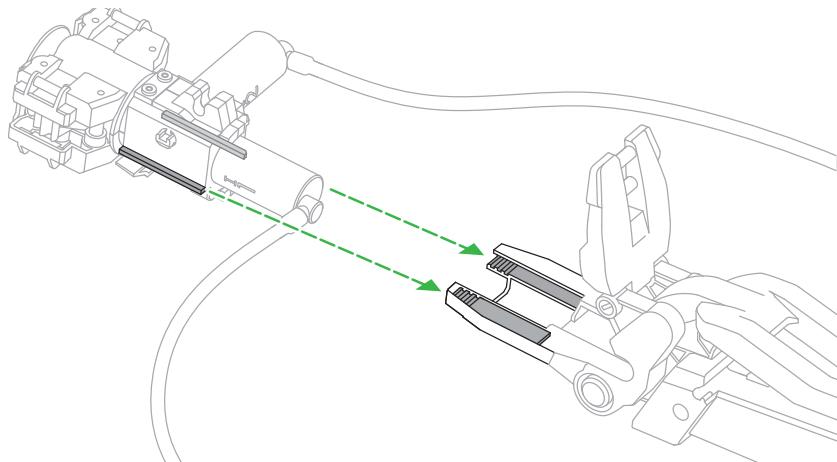
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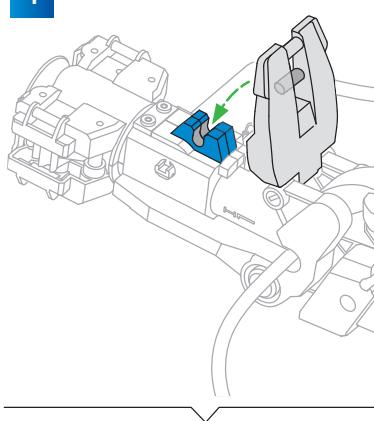
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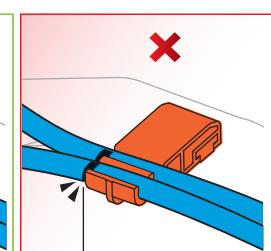
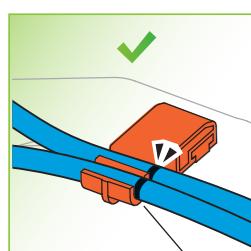
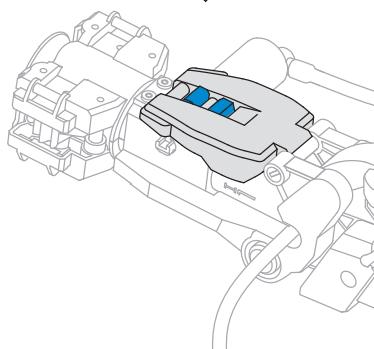
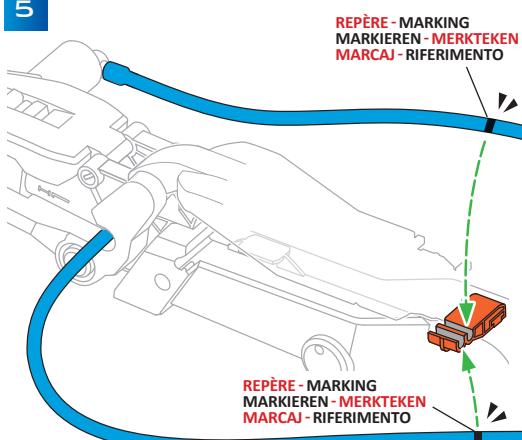
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4



5



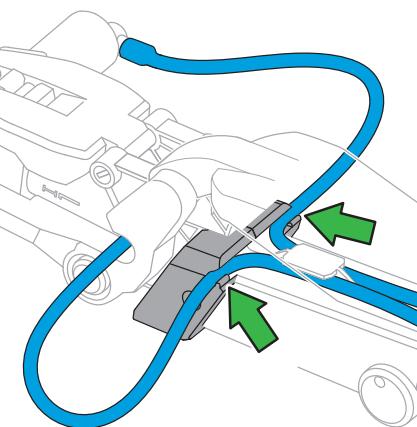
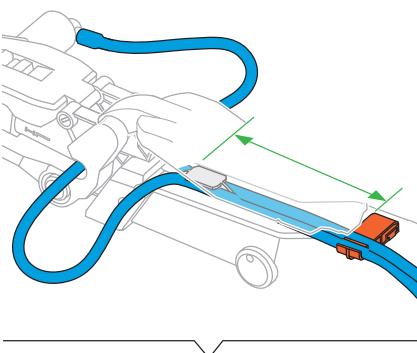
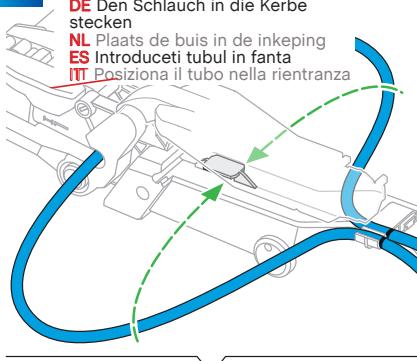
**REPÈRE - MARKING
MARKIEREN - MERKTEKEN
MARCAJ - RIFERIMENTO**

6

FR Place le tube dans l'encoche EN

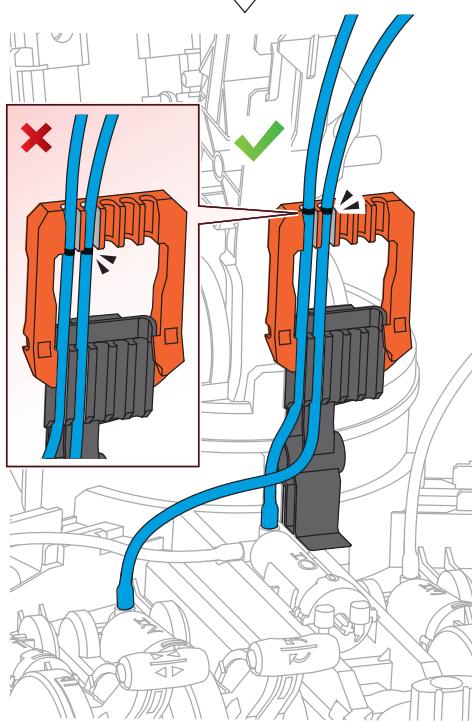
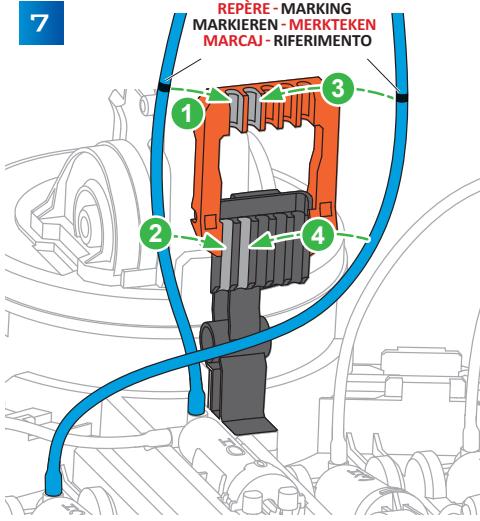
EN Place the tube in the slot

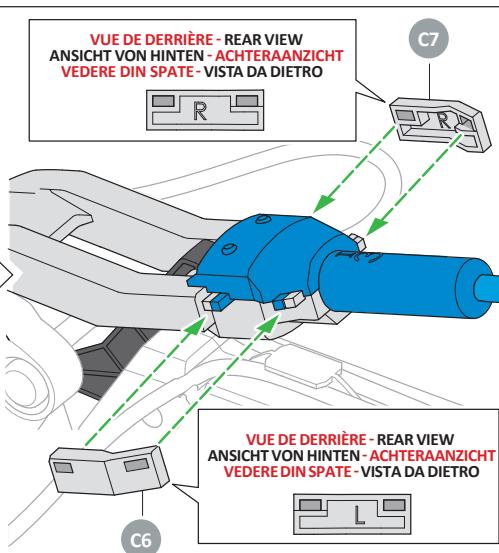
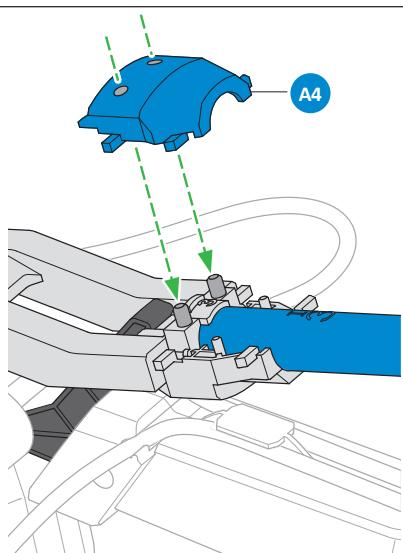
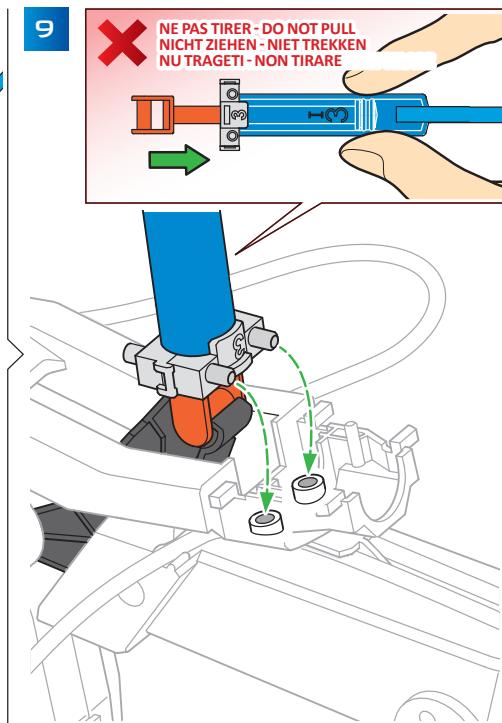
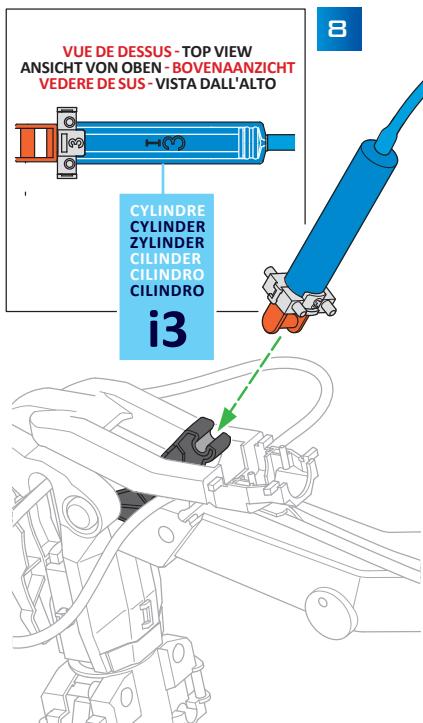
DE Den Schlauch in die Kerbe stecken

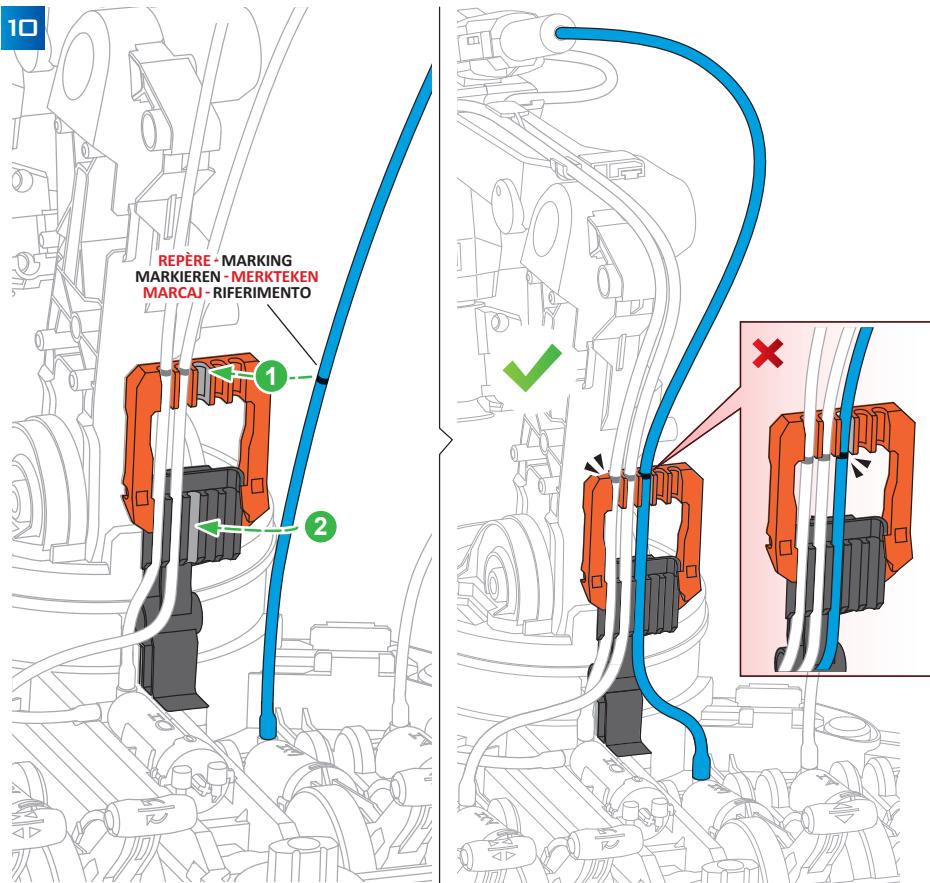
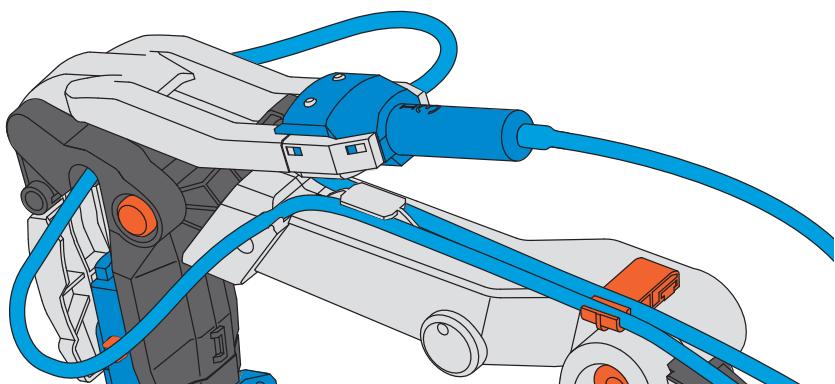


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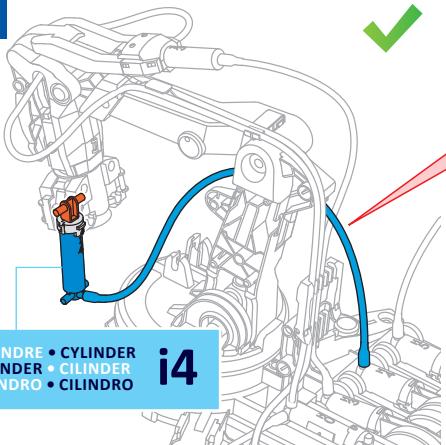
**REPÈRE - MARKING
MARKIEREN - MERKTEKEN
MARCAJ - RIFERIMENTO**





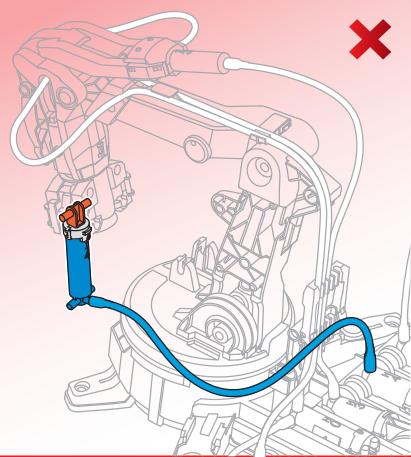


11



CYLINDE • CYLINDER
ZYLINDER • CILINDER
CILINDRO • CILINDRO

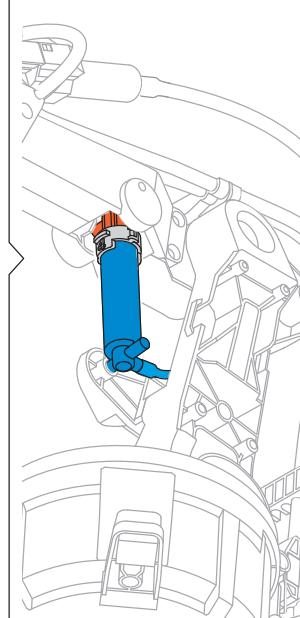
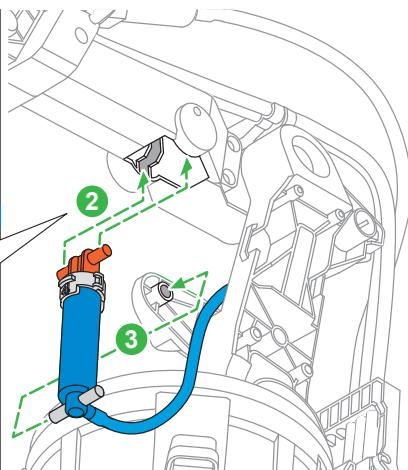
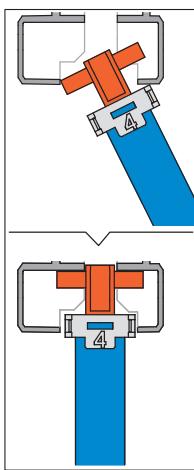
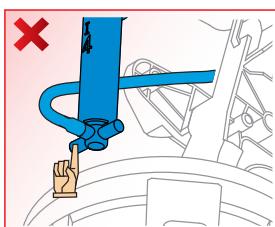
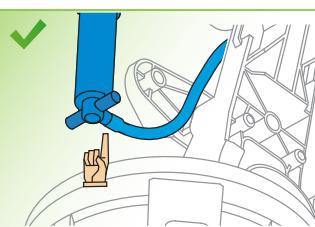
i4

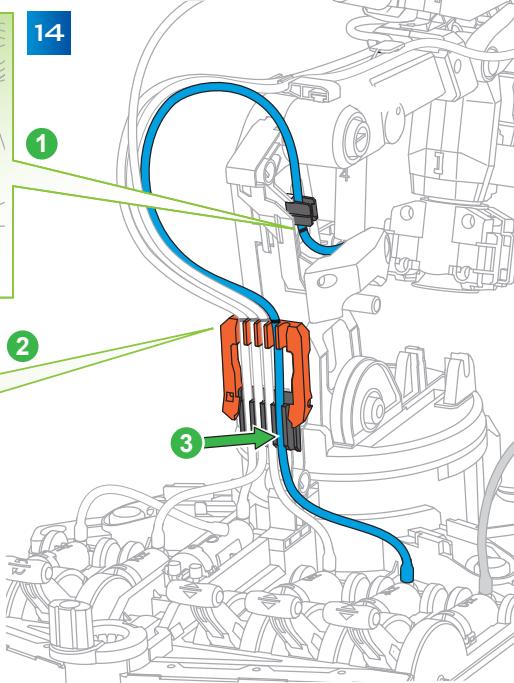
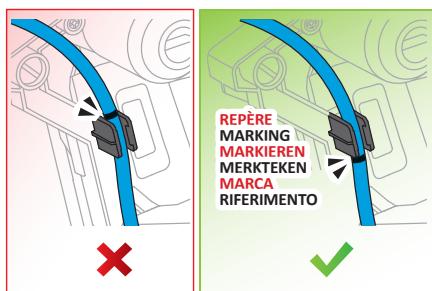
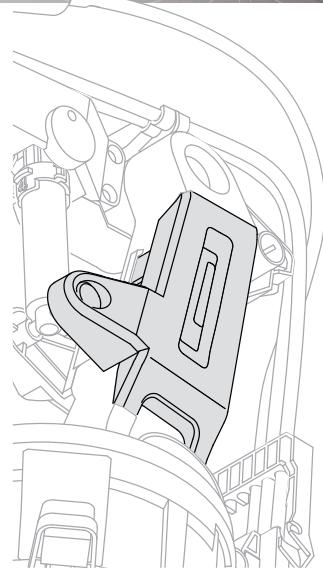
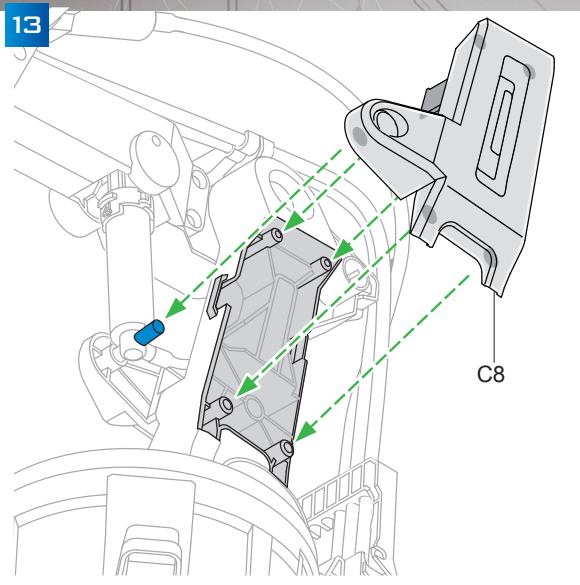


12

1

FR Attention au sens de montage EN Fiti atenii pentru a asambla in mod corect.
DE Beachte die Richtung für den Zusammenbau NL Let op de montagerichting
ES Presta atención al sentido de montaje IT Attenzione al senso di montaggio





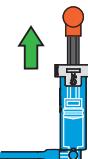
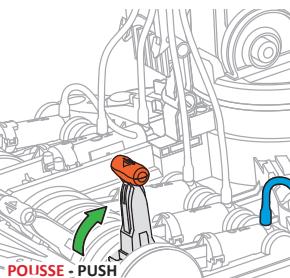
LEVIER • LEVER
HEBEL • HEFBOOM
MANETA • LEVA

5

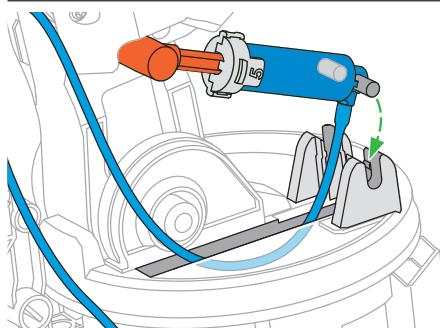
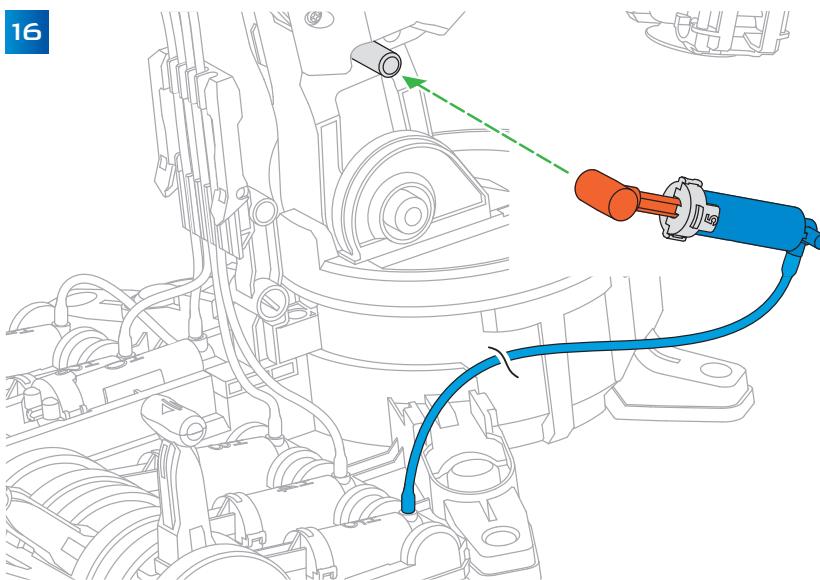
CYLINDE
CYLINDER
ZYLINDER
CILINDER
CILINDRO
CILINDRO

i5

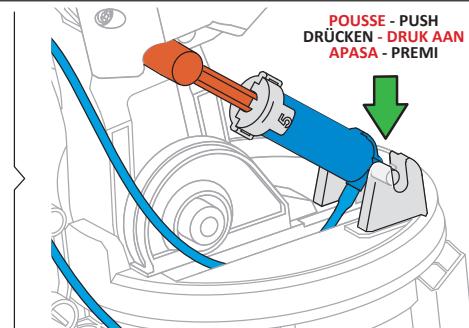
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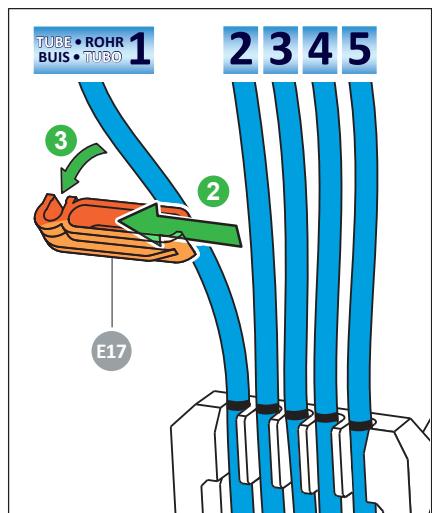
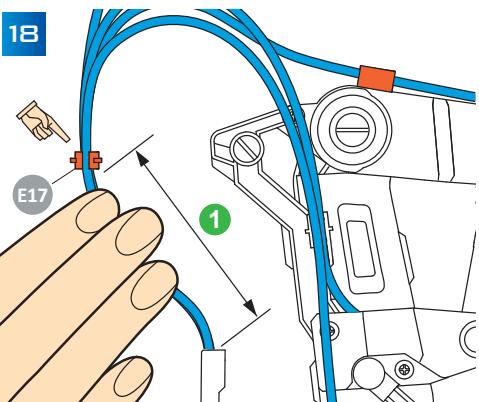
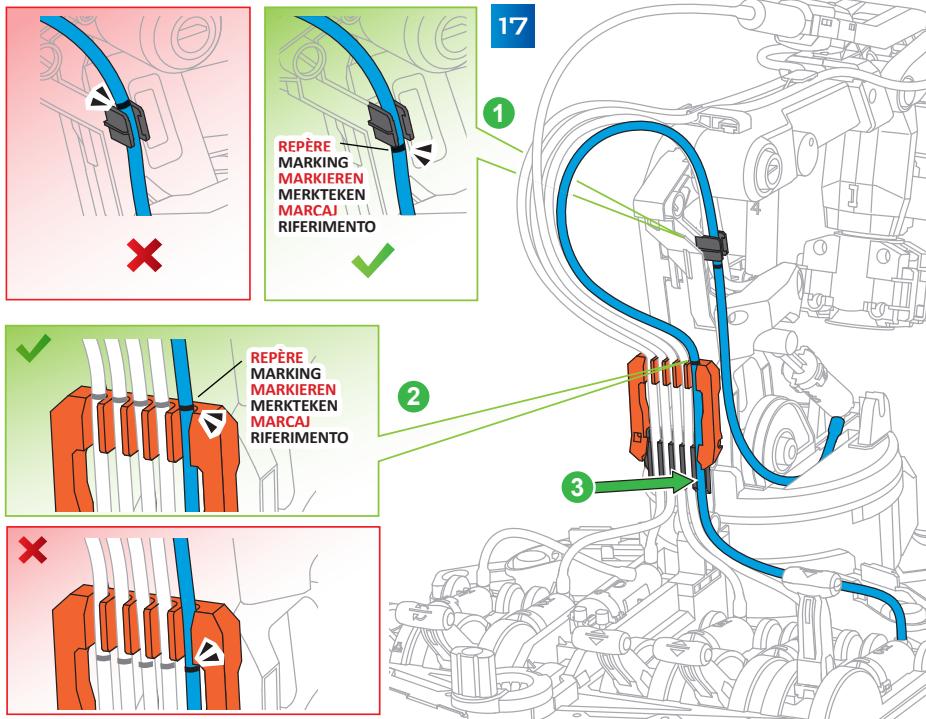


16



POUSSE - PUSH
DRÜCKEN - DRUK AAN
APASA - PREMI





FR Avec 4 doigts de ta main, mesure la longueur des tubes pour placer E17 et organiser les tubes.

EN Measure 4 finger-widths of tube using your hand to position E17 and organise the tubes.

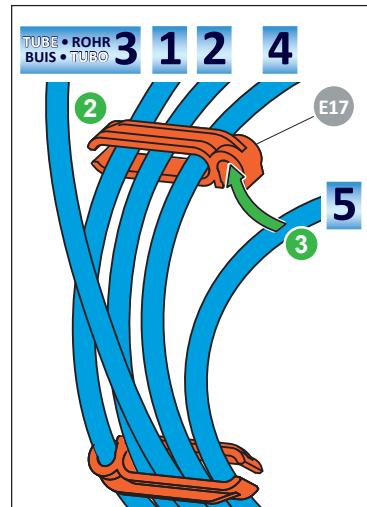
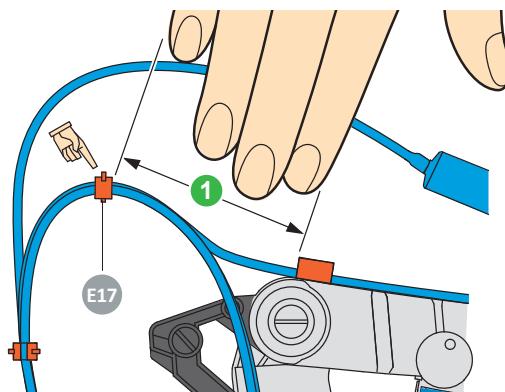
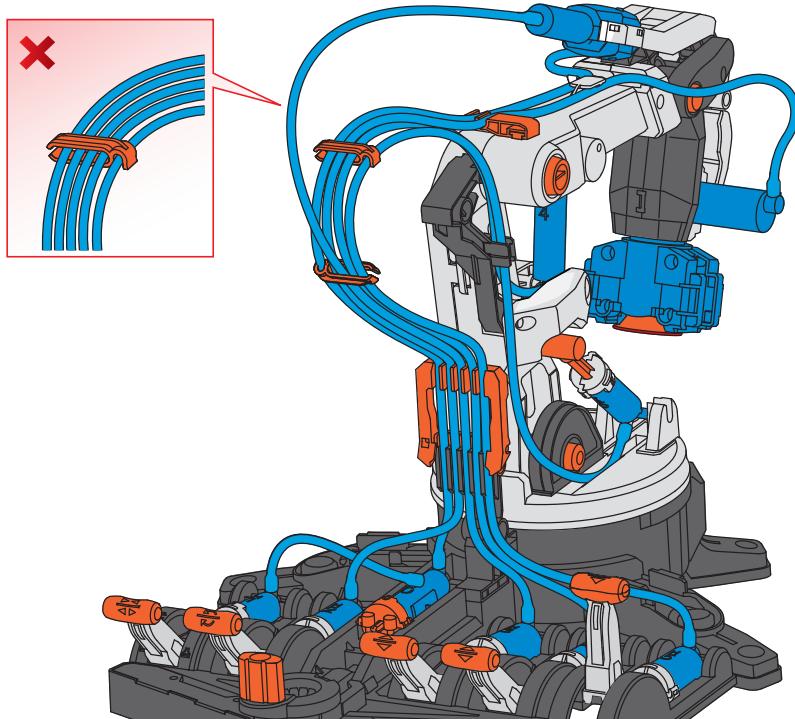
DE Miss mit 4 Fingern die Länge des Schlauchs. An diese Stelle setzt du E17, um die Schläuche anzuzuordnen.

19

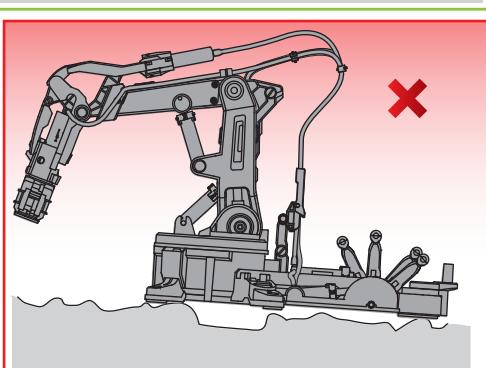
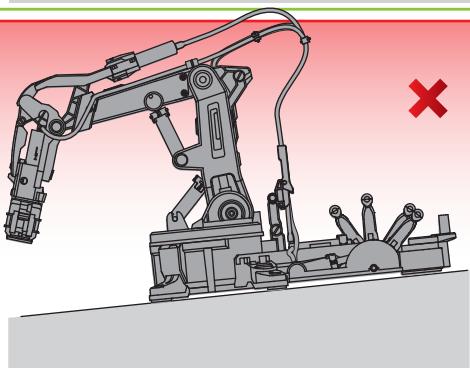
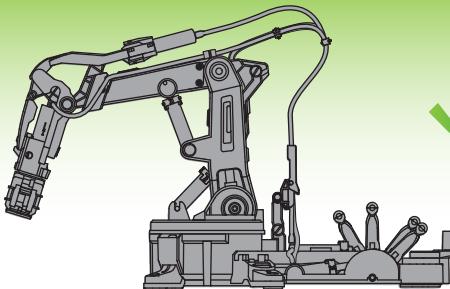
NL Meet met 4 vingers van je hand de lengte van de buizen om E17 te plaatsen en de buizen te verbinden.

ES Măsurăți 4 lățimi de deget ale tubului folosind mâna pentru a poziționa E17 și organizați tuburile.

IT Con 4 dita della mano, misura la lunghezza dei tubi per posizionare E17 e organizzare i tubi.

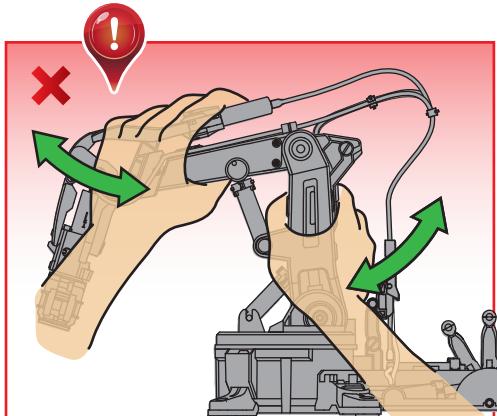
**20**

CUM SE JOACA?

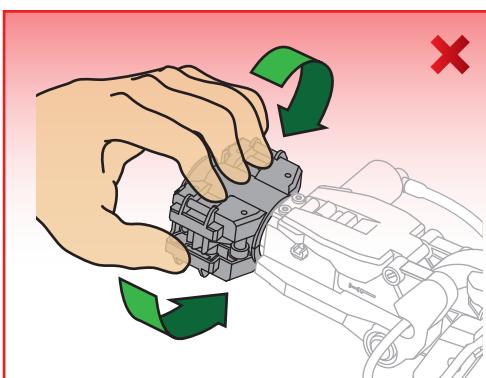


FR Utilise le bras robot sur une surface plane.
EN Use the robot arm on a flat surface.
DE Der Untergrund für den Roboterarm muss eben sein.

NL Gebruik de robotarm op een vlak oppervlak.
ES Utilizati bratul robotic pe o suprafață netedă.
IT Utilizza il braccio robot su una superficie orizzontale.

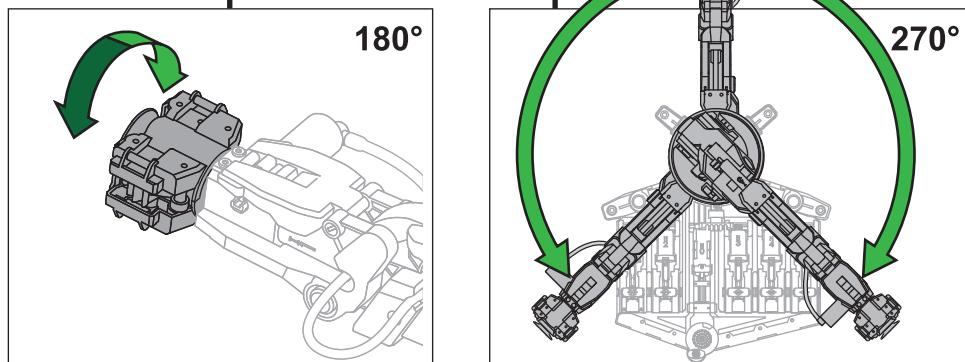
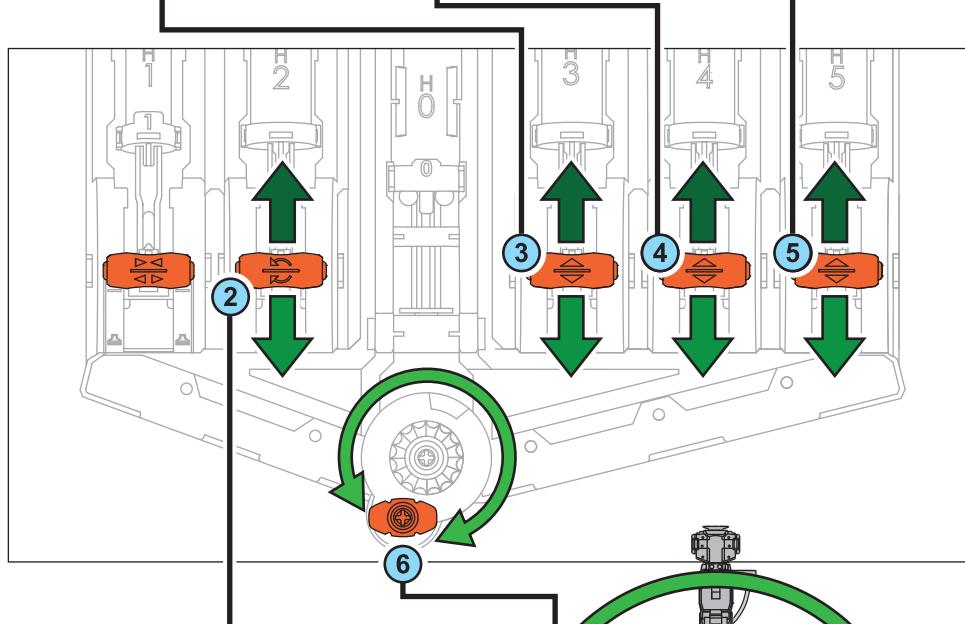
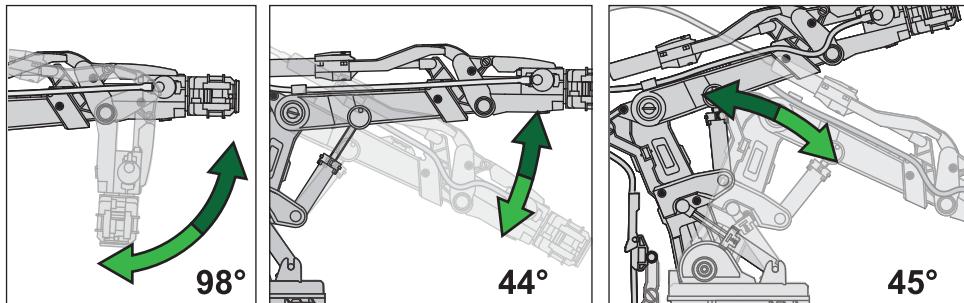


FR Déplace ton robot avec soin.
EN Move the robot carefully.
DE Fasse deinen Roboter immer vorsichtig an.



NL Verplaats je robot voorzichtig.
ES Manevrateți robotul cu grijă.
IT Sposta il robot con cura.

6 MISCARI

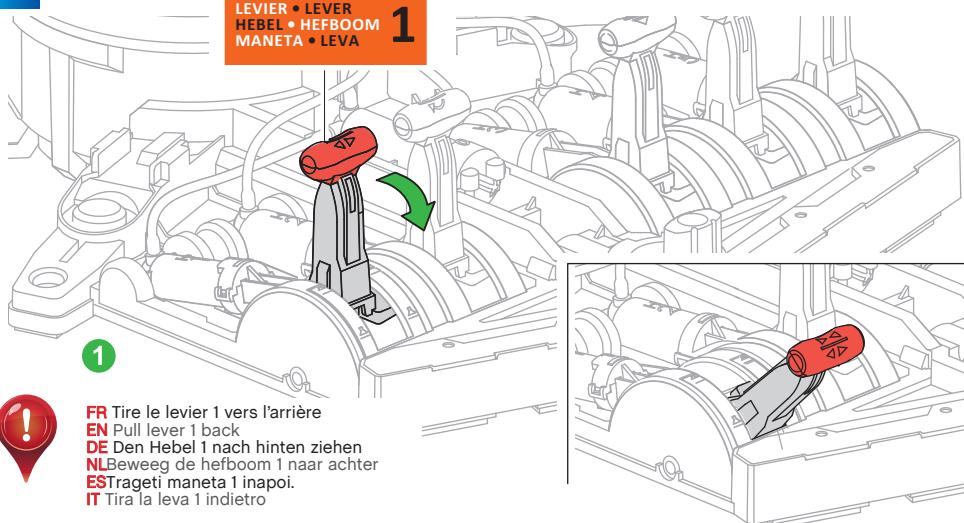


MODUL CLESTE

1

LEVIER • LEVER
HEBEL • HEFBOOM
MANETA • LEVA

1

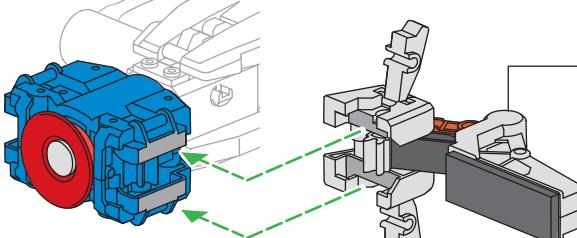


1

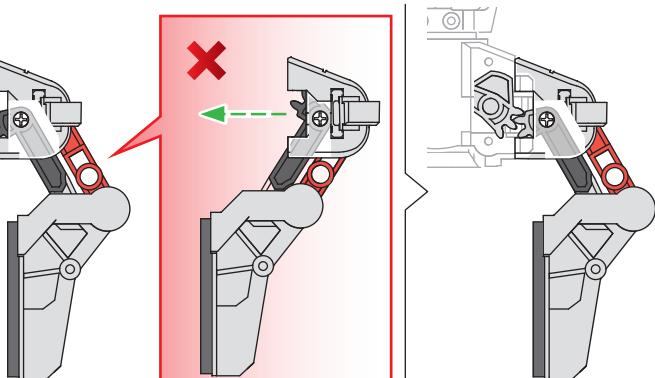
- FR** Tire le levier 1 vers l'arrière
EN Pull lever 1 back
DE Den Hebel 1 nach hinten ziehen
NL Beweeg de hefboom 1 naar achter
ES Trajetgi maneta 1 inapoi.
IT Tira la leva 1 indietro

2

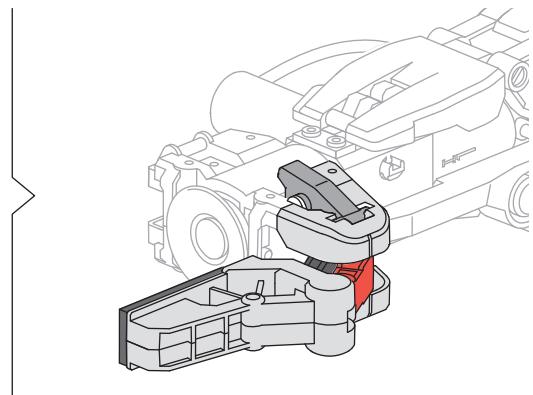
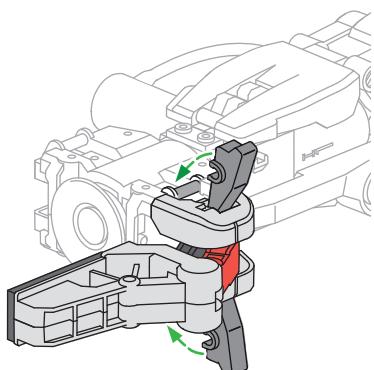
PINCE - GRIPPER
ZANGE - GRUPHAND
CLESTE - PINZA



- FR** Attention au sens de montage
EN Take care to assemble the right way round
DE Beachte die Richtung für den Zusammensetzen
NL Let op de montagerichting
ES Fiti atentii pentru a asambla in mod corect.
IT Attenzione al senso di montaggio

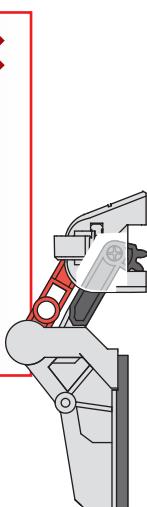
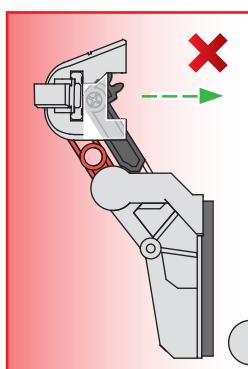
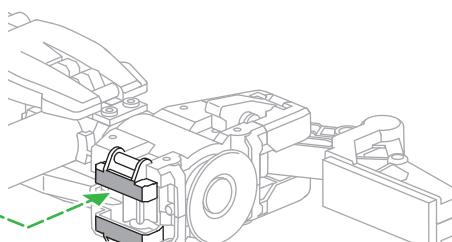
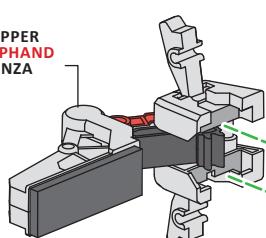


3



4

PINCE - GRIPPER
ZANGE - GRIJPHAND
CLESTE - PINZA



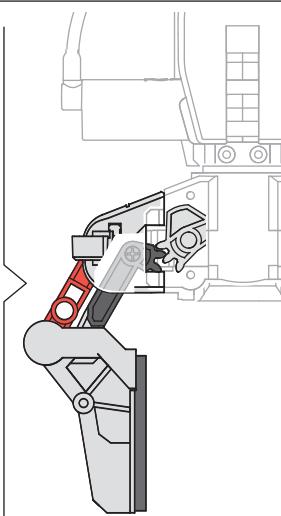
FR Attention au sens de montage
EN Take care to assemble the right way round

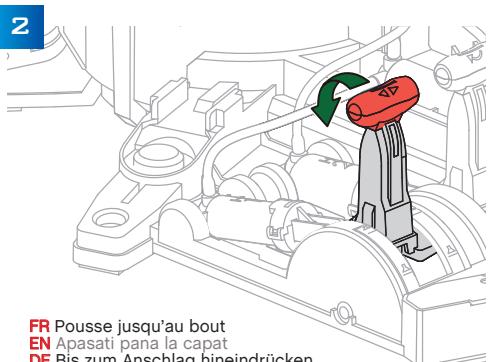
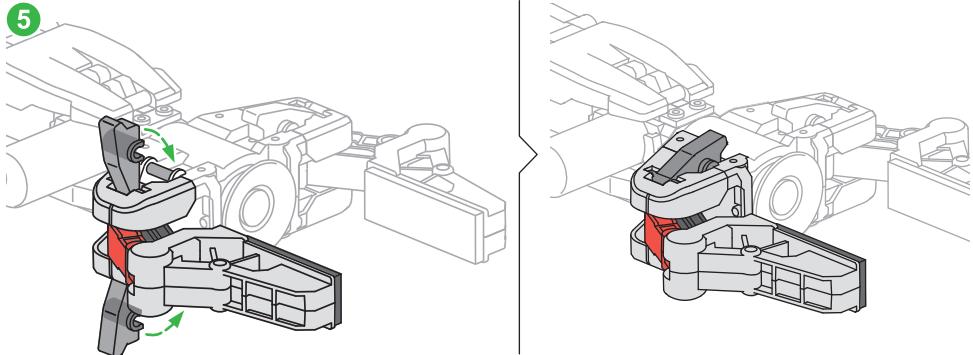
DE Beachte die Richtung für den Zusammenbau

NL Let op de montagerichting

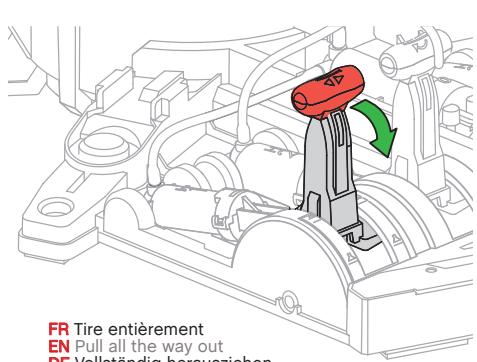
ES Fíjate atentamente a la forma correcta de ensamblaje.

IT Attenzione al senso di montaggio

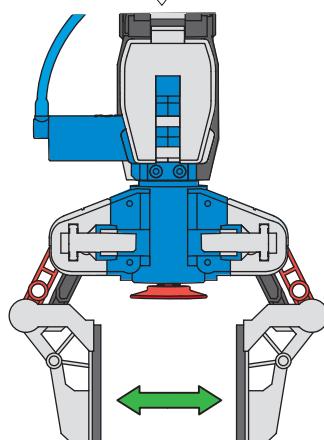
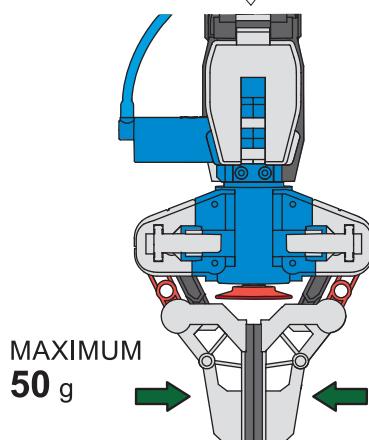




FR Pousse jusqu'au bout
EN Apasati pana la capat
DE Bis zum Anschlag hineindrücken
NL Druk volledig in
ES Apasati pana la capat
IT Premi fino in fondo



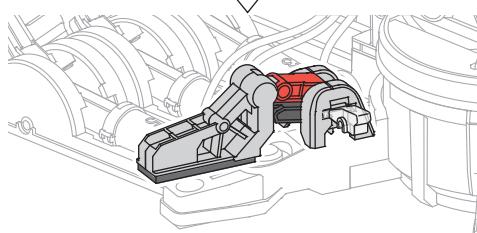
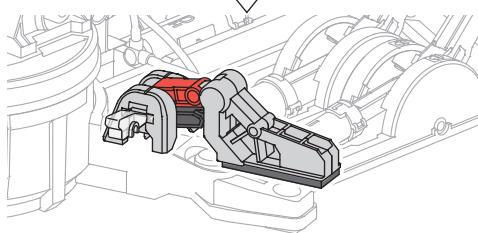
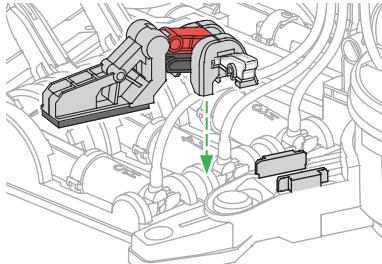
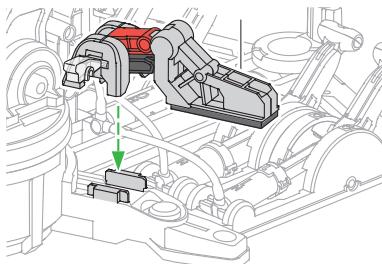
FR Tire entièrement
EN Pull all the way out
DE Vollständig herausziehen
NL Trek volledig uit
ES Trageti pana la capat.
IT Tira completamente



● MODUL DE ASPIRARE

1

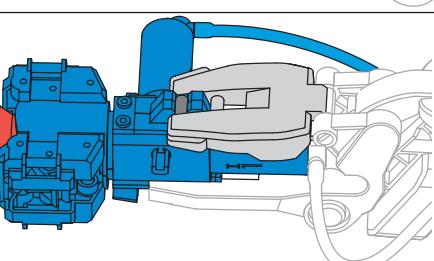
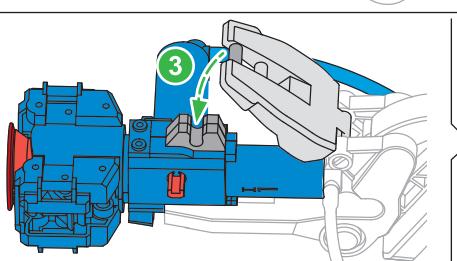
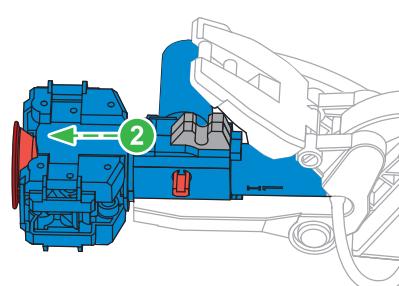
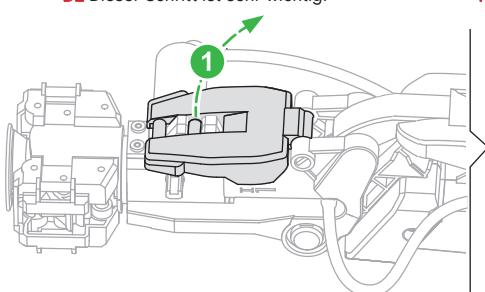
FR Lorsque la pince n'est pas utilisée, place-la sur la base
EN When the gripper is not in use, place it on the base
DE Setze den Greifer auf den Sockel, wenn du ihn nicht brauchst
NL Als je de tang niet gebruikt, leg ze dan op het onderstel
ES Cand celeste nu este folosit, fixati-l pe baza.
IT Quando la pinza non è stata utilizzata, posizionala sulla base

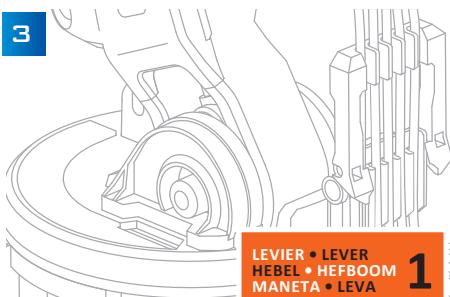


2

FR Cette étape est très importante !
EN This step is very important!
DE Dieser Schritt ist sehr wichtig!

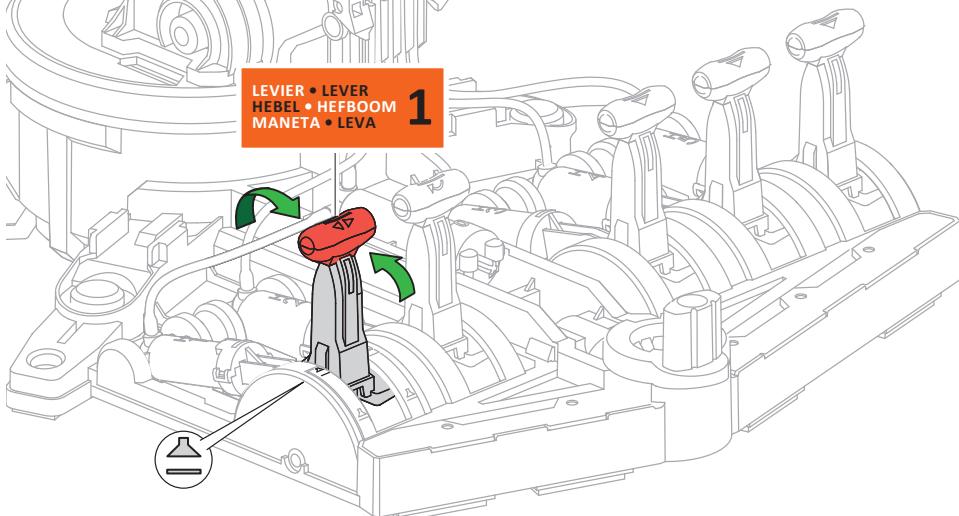
NL Deze stap is zeer belangrijk!
ES Acest pasă este foarte important!
IT Questo passaggio è molto importante!



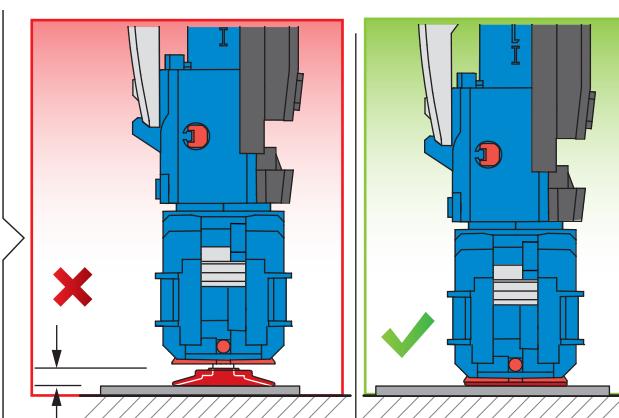
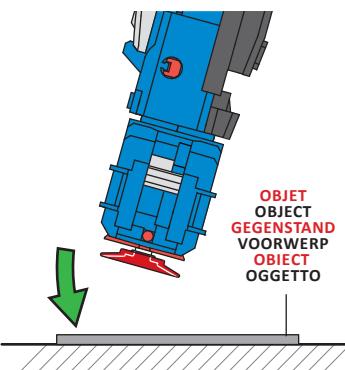
3

FR Place le levier 1 au milieu
EN Place lever 1 in the middle
DE Stelle den Hebel 1 in die Mitte
NL Plaats de hefboom 1 in het midden
ES Posiciona la maneta 1 en el centro
IT Posiziona la leva 1 al centro

**LEVIER • LEVER
HEBEL • HEFBOOM
MANETA • LEVA** **1**

**4**

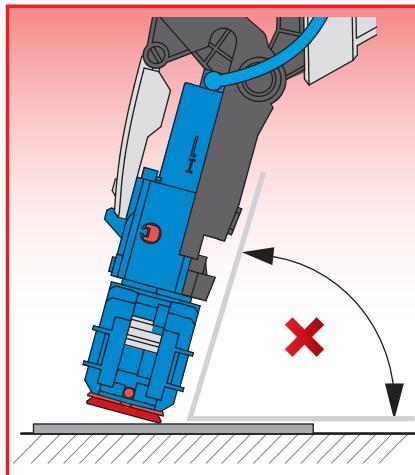
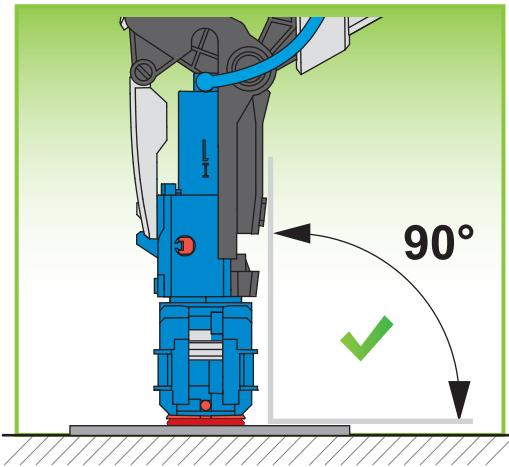
FR Place la ventouse très près de l'objet
EN Position the suction cup very close to the object
DE Bringe den Saugnapf sehr nah an den Gegenstand
NL Plaats de zuignap heel dicht tegen het voorwerp aan
ES Posiciona la ventosa lo más cerca posible del objeto.
IT Posiziona la ventosa molto vicino all'oggetto



FR Fais adhérer la ventouse
EN Place the suction cup against the object
DE Den Gegenstand mit dem Saugnapf festhalten
NL Laat de zuignap aan het voorwerp kleven
ES Posiciona la ventosa de sobre el objeto
IT Fai aderire la ventosa

FR Place la ventouse bien droite
EN Make sure the suction cup is straight
DE Setze den Saugnapf gerade auf

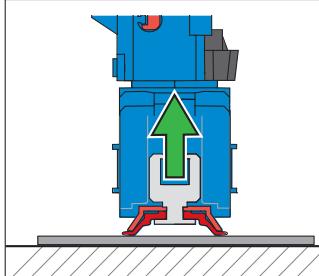
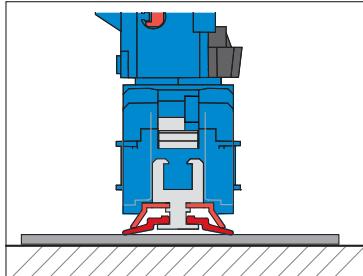
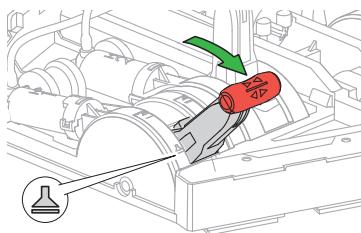
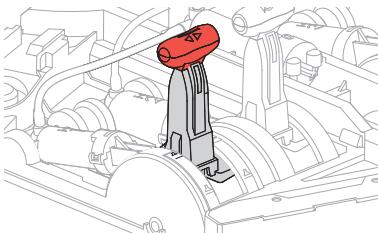
NL Plaats de zuignap goed recht
ES Asigurati-va ca ventusa este dreapta.
IT Posiziona la ventosa dritta



FR Utilise un objet plus grand que la ventouse et pesant moins de 50 g.
EN Use an object bigger than the suction cup and weighing less than 50 g.
DE Der Gegenstand soll größer als der Saugnapf sein und weniger als 50 g wiegen.
NL Gebruik een voorwerp dat groter is dan de zuignap en minder weegt dan 50 g.
ES Folositi un obiect mai mare decat ventuză, dar mai usor de 50g.

5 FR Tire le levier 1 vers l'arrière pour attraper l'objet

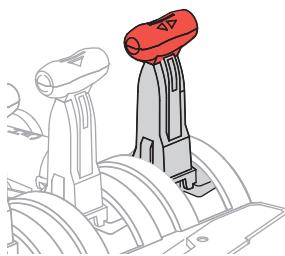
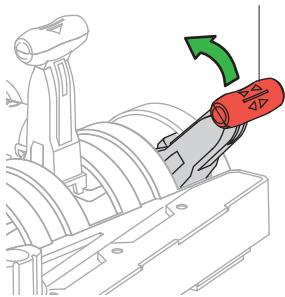
EN Pull lever 1 back to pick up the object
DE ziehe den Hebel 1 nach hinten, um den Gegenstand festzuhalten
NL Beweeg de hefboom 1 naar achter om het voorwerp vast te nemen
ES Trageti maneta 1 inapoi pentru a ridica obiectul.
IT Tira la leva 1 indietro per prendere l'oggetto



6

LEVIER • LEVER
HEBEL • HEFBOOM
MANETA • LEVA

5



FR Pousse le levier 5 pour lever l'objet

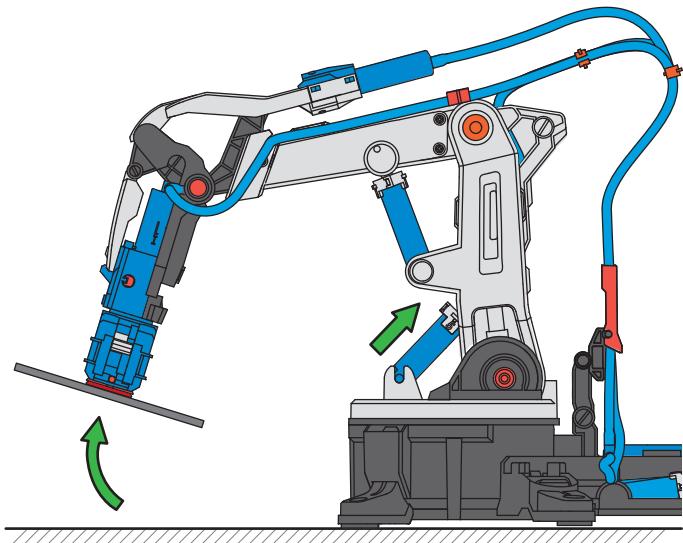
EN Push lever 5 to lift the object

DE Drücke den Hebel 5, um den Gegenstand anzuheben

NL Duw de hefboom 5 naar voor om het voorwerp op te tillen

ES Apasati maneta 5 pentru a ridică obiectul

IT Premi la leva 5 per sollevare l'oggetto



7

FR Place le levier 1 au milieu pour relâcher l'objet

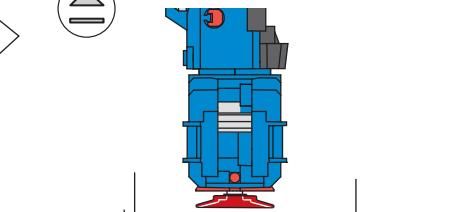
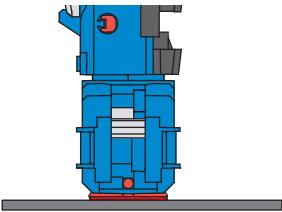
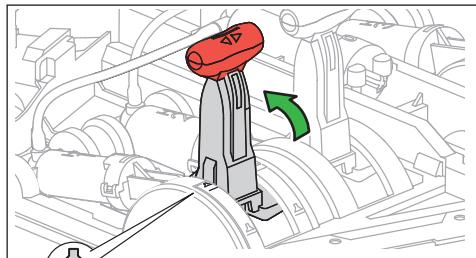
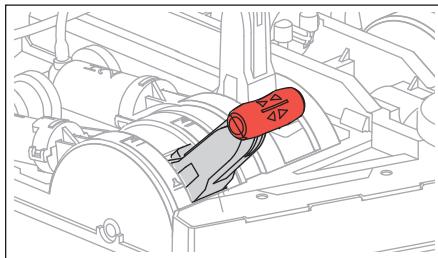
EN Place lever 1 in the middle to release the object

DE Stelle den Hebel 1 in die Mitte, um den Gegenstand abzusetzen

NL Plaats de hefboom 1 in het midden om het voorwerp los te laten

ES Posicionați maneta 1 în mijloc pentru a elibera obiectul.

IT Posiziona la leva 1 al centro per rilasciare l'oggetto



8

FR Conseil : Entraîne-toi en plaçant l'objet sur une plate-forme surélevée.

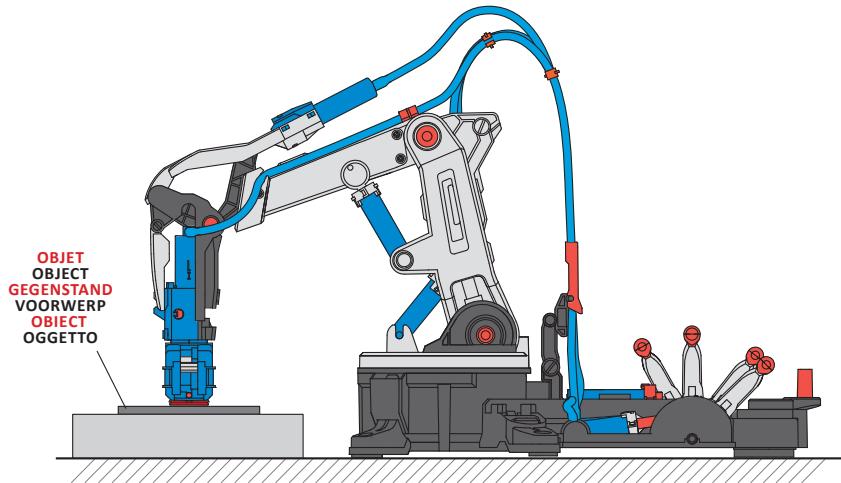
EN Tip: practise putting the object on a raised platform

DE Tipp: Trainiere deine Steuerungstechnik, indem du den Gegenstand auf einer höheren Fläche ablegst.

NL Tip: Oefen door het voorwerp naar een hoger platform te verplaatsen.

ES Consejo/Sfat: exersati plasand obiectul pe o suprafață ridicată.

IT Consiglio: Allenati posizionando l'oggetto su una piattaforma sopraelevata.



DEPANARE

A

SI LA VENTOUSE N'ATTRAPE RIEN

IF THE SUCTION CUP DOES NOT PICK UP OBJECTS

DACA VENTUZA NU PRINDE NICIUN OBIECT

NICHT ANSAUGT ALS DE ZUIGNAP NIETS VASTNEEMT

LA VENTOSA NO SUCCIONA:

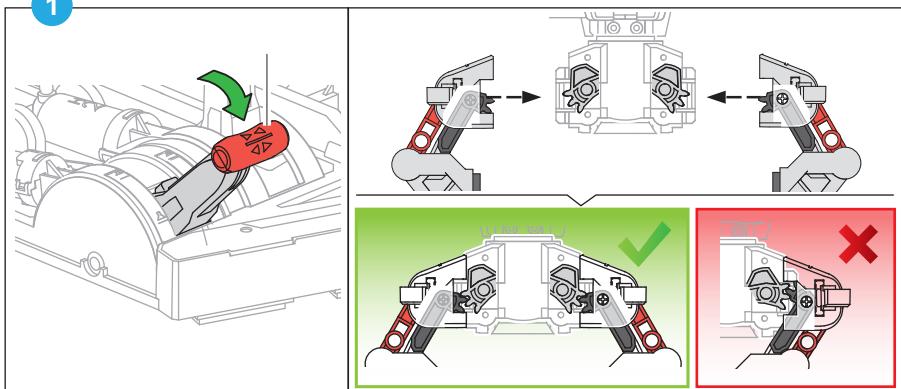
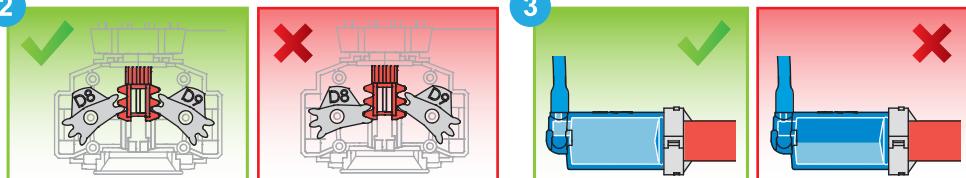
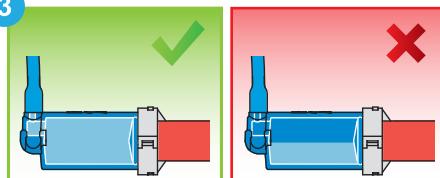
LA VENTOSA NON AFFERRA NULLA

- FR**
 1. Retourne à la page 87 et vérifie les étapes d'installation.
 2. Vérifie s'il n'y a pas de l'air dans les cylindres H1, II et dans le tube 1. Retourne à la page 48 – 51, démonte puis réassemble.
- EN**
 1. Return to page 87 and check the installation steps.
 2. Check if there is any air in cylinders H1, II and tube 1. Return to pages 48-51, dismantle and reassemble.
- DE**
 1. Sieh auf Seite 87 nach und prüfe die Schritte für die Installation.
 2. Prüfe, ob in den Zylindern H1, II und im Schlauch 1 Luft ist. Sieh auf den Seiten 48 – 51 nach, nimm die Teile auseinander und setze sie wieder zusammen.
- NL**
 1. Ga terug naar bladzijde 87 en controleer de stappen van de opstelling.
 2. Controleer of er geen lucht zit in de cilinders H1, II en in de buis 1. Ga terug naar bladzijdes 48 - 51, demonteer en steek terug in elkaar.
- ES**
 1. Intoarceți-vă la pagina 87 și verificați pașii de montare.
 2. Verificați dacă există aer în cilindrii H1 și II și în tubul 1. Intoarceți-vă la pag 48 și 51. Demontați și reasamblați.
- IT**
 1. Torna alla pagina 87 e verifica i passaggi di installazione.
 2. Verifica che non sia presente dell'aria nei cilindri H1, II e nel tubo 1. Torna alle pagine 48 – 51, smonta e poi riassembra.

B

SI LA PINCE NE FONCTIONNE PAS
IF THE GRIPPER DOES NOT WORK
WENN DER GREIFER NICHT FUNKTIONIERT
ALS DE TANG NIET WERKT
DACA CLESTELE NU FUNCIONEaza:
LA PINZA NON FUNZIONA

- FR** 1. Vérifie l'installation de la pince (page 84 et 85)
2. Retourne à la page 37 et vérifie l'étape 16.
3. Vérifie s'il n'y a pas de l'air dans les cylindres H1, I1 et dans le tube 1. Retourne à la page 48 – 51, démonte puis réassemble.
- EN** 1. Check that the gripper is fitted correctly (pages 84 and 85)
2. Return to page 37 and check step 16.
3. Check if there is any air in cylinders H1, I1 and tube 1. Return to pages 48-51, dismantle and reassemble.
- DE** 1. Prüfe, ob der Greifer korrekt montiert ist (Seiten 84 und 85)
2. Sieh auf Seite 37 nach und prüfe Schritt 16.
3. Prüfe, ob in den Zylindern H1, I1 und im Schlauch 1 Luft ist. Sieh auf den Seiten 48 – 51 nach, nimm die Teile auseinander und setze sie wieder zusammen.
- NL** 1. Controleer of de tang goed is geïnstalleerd (bladzijdes 84 en 85)
2. Ga terug naar bladzijde 37 en controleer stap 16.
3. Controleer of er geen lucht zit in de cilinders H1, I1 en in de buis 1. Ga terug naar bladzijden 48 - 51, demonteer en steek terug in elkaar.
- ES** 1. Verificati daca clestele este montat corect (pag. 84 si 85)
2. Intoarceți-vă la pagina 37 și verificati pasul 16.
3. Verificati daca exista aer in cilindri H1 si I1 si in tubul 1. Intoarceți-vă la paginile 48 si 51. Demontati sireasamblati.
- IT** 1. Verifica che sia stata installata correttamente (pagina 84 e 85)
2. Torna alla pagina 37 e verifica il passaggio 16.
3. Verifica che non sia presente dell'aria nei cilindri H1, I1 e nel tubo 1. Torna alle pagine 48 – 51, smonta e poi riassembra.

1**2****3**



**SI LES MOTEURS 3, 4 ET 5 NE SE DÉPLOIENT PAS AU MAXIMUM IF
MOTORS 3, 4 AND 5 DO NOT STRETCH OUT FULLY
WENN DIE MOTOREN 3, 4 UND 5 NICHT MAXIMAL LAUFEN
ALS DE MOTOREN 3, 4 EN 5 NIET MAXIMAAL WERKEN
DACA MOTOARELE 3, 4 SI 5 NU DEPLASEAZA COMPLET ELEMENTELE:
I MOTORI 3, 4 E 5 NON SPRIGIONANO LA MASSIMA POTENZA**

- FR**
1. Vérifie s'il n'y a pas de l'air dans les cylindres H3/4/5, I3/4/5 et dans les tubes 3/4/5.
 2. Retourne aux pages 43-46, démonte puis réassemble.
 3. Vérifie que l'installation des tubes : ils ne doivent pas être noués ou tournées.
 - a) Reprends les étapes à partir de la page 72 pour bien placer les tubes
 - b) Vérifie les repères à placer, pages 52-53-54

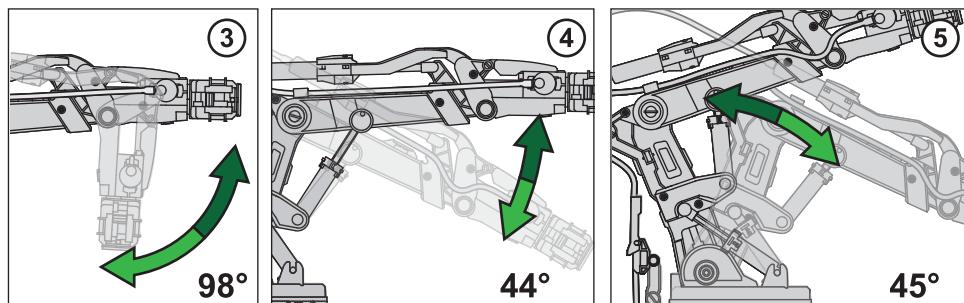
- EN**
1. Check if there is any air in cylinders H3/4/5, I3/4/5 and tubes 3/4/5.
 2. Return to pages 43-46, dismantle and reassemble.
 3. Check the tube assembly – they should not be knotted or twisted.
 - a) Repeat the steps from page 72 to position the tubes correctly
 - b) Check the markings on pages 52, 53 and 54

- DE**
1. Prüfe, ob in den Zylindern H3/4/5, I3/4/5 und in den Schläuchen 3/4/5 Luft ist.
 2. Sieh auf den Seiten 43-46 nach, nimm die Teile auseinander und setze sie wieder zusammen.
 3. Prüfe die Installation der Schläuche: Sie dürfen nicht verschlungen oder umgedreht sein.
 - a) Gehe die Schritte ab Seite 72 erneut durch, um die Schläuche richtig anzubringen
 - b) Prüfe die Markierungen wie auf den Seiten 52-53-54 gezeigt

- NL**
1. Controleer of er geen lucht zit in de cilinders H3/4/5, I3/4/5 en in de buizen 3/4/5.
 2. Ga terug naar de bladzijdes 43-46, demonteer en stuur de terug in een.
 3. Verificati ansamblul de tuburi : acestea nu trebuie sa fie innodate sau rasucite.
 - a) Repetati pasii de la pagina 72 pentru a pozitiona tuburile corect.
 - b) Verificati marcajele de la paginile 52-53-54

- ES**
1. Verificati daca exista aer in cilindrii H3/4/5 si I3/4/5 si tuburile 3/4/5.
 2. Intoarceti-vă la paginile 43 si 46. Demontati si reasamblati.
 3. Verificati ansamblul de tuburi : acestea nu trebuie sa fie innodate sau rasucite.
 - a) Repetati pasii de la pagina 72 pentru a pozitiona tuburile corect.
 - b) Verificati marcajele de la paginile 52-53-54

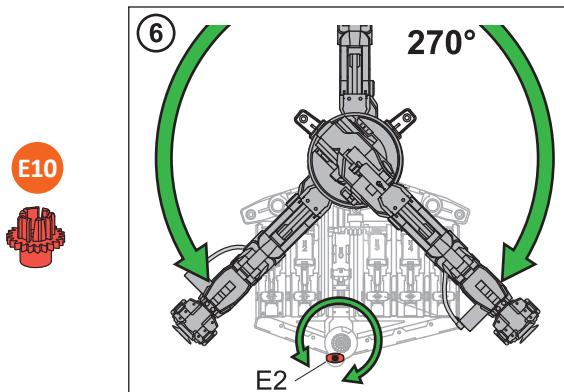
- IT**
1. Verifica che non sia presente dell'aria nei cilindri H3/4/5, I3/4/5 e nei tubi 3/4/5.
 2. Torna alle pagine 43 - -46, smonta e poi riassembra.
 3. Verifica l'installazione dei tubi: non devono essere annodati o girati.
 - a) Riprendi i passaggi a partire da pagina 72 per posizionare bene i tubi
 - b) Verifica i riferimenti da posizionare, pagine 52-53-54



D

SI L'AXE CENTRAL A DÙ MAL À TOURNER
IF THE CENTRAL AXIS TURNS WITH DIFFICULTY
WENN DIE MITTELACHSE SICH NICHT RICHTIG DREHT
ALS DE CENTRALE AS NIET GOED DRAAIT
DACA AXUL CENTRAL SE ROTESTE CU DIFICULTATE
LASSE CENTRALE GIRA CON DIFFICOLTÀ

- FR** 1. Retourne page 23, étape 13 et vérifie si E10 est installée dans le bon sens.
- EN** 1. Return to page 23, step 13 and check whether E10 is fitted the right way round.
- DE** 1. Sieh auf Seite 23, Schritt 13 nach und prüfe, ob E10 in der richtigen Richtung installiert ist.
- NL** 1. Ga terug naar bladzijde 23, stap 13 en kijk na of E10 in de goede richting is gemonteerd.
- ES** 1. Intoarceti-vă la pagina 23, pasul 13, și verificati daca E10 este montat corect.
- IT** 1. Torna a pagina 23, passaggio 13 e verifica se E10 è installato nel senso corretto.

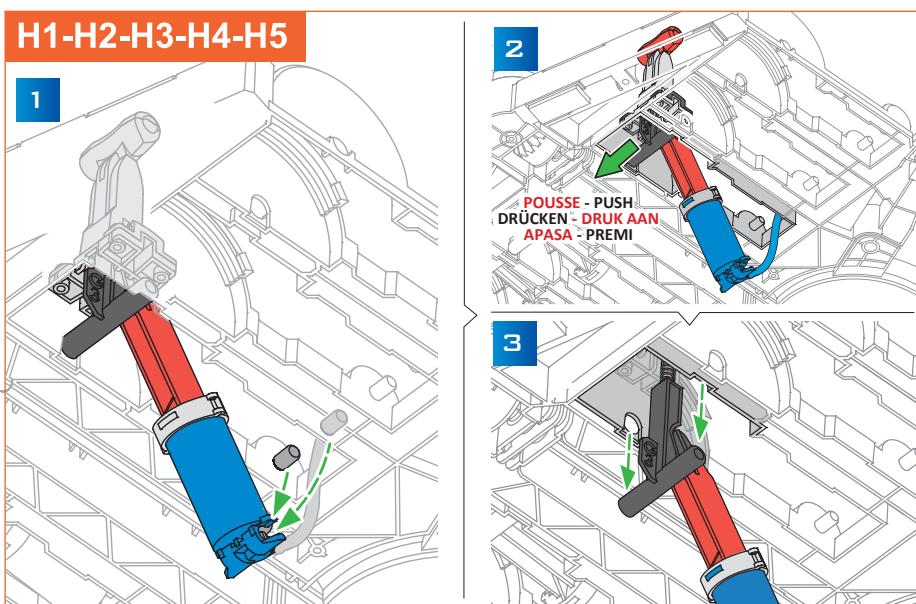
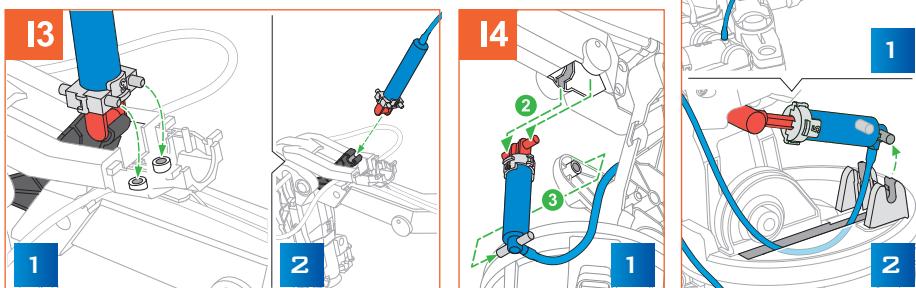
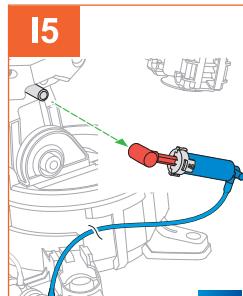
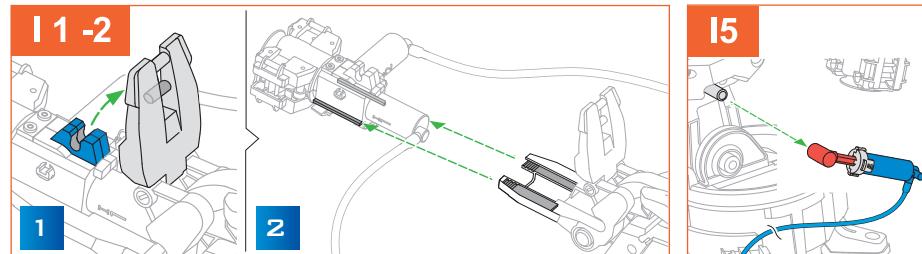
**E**

VIDER L'EAU ET REMPLIR
EMPTYING THE WATER AND FILLING
DAS WASSER AUSLEEREN UND FÜLLEN
HET WATER AFVOEREN EN VULLEN
GOLIRE SI REUMPLERE CU APA
SVUOTARE L'ACQUA E RIEMPIRE

- FR** 1. Avec l'aide d'un adulte, démonte les cylindres I1/2/3/4/5 du bras puis les cylindres H1/2/3/4/5 des leviers.
 2. Enlève les tubes des cylindres I1/2/3/4/5
 3. Vide dans un évier. Pour remplir, reprends la notice page 43 et réalise de nouveau les étapes jusqu'au bout.
- EN** 1. With the help of an adult, remove cylinders I1/2/3/4/5 from the arm and then cylinders H1/2/3/4/5 from the levers.
 2. Remove the tubes and cylinders I1/2/3/4/5
 3. Empty into a sink. For filling, repeat the instructions from page 43 and go through all the steps to the end
- DE** 1. Nimm mit der Hilfe eines Erwachsenen die Zylinder I1/2/3/4/5 für den Arm und dann die Zylinder H1/2/3/4/5 für die Hebel ab.
 2. Entferne die Schläuche der Zylinder I1/2/3/4/5
 3. Leere das Wasser im Waschbecken aus. Zum füllen, geh zur Seite 43 der Anleitung und führe erneut alle Schritte aus
- NL** 1. Demonteer met de hulp van een volwassene eerst de cilinders I1/2/3/4/5 van de arm en daarna de cilinders H1/2/3/4/5 van de hefboom.
 2. Haal de buizen van de cilinders I1/2/3/4/5 weg
 3. Laat ze in een gootsteen leeglopen. Voor het vullen, herneem de handleiding op bladzijde 43 en voer de stappen opnieuw tot het einde uit.

- ES**
- Cu ajutorul unui adult eliminati cilindrii H1/2/3/4/5 din bratul robotic, iar apoi eliminati cilindrii H1/2/3/4/5 din manete.
 - Eliminati tuburile si cilindrii H1/2/3/4/5
 - Goliti intr-o chiuveta. Pentru reumplere, repetati instructiunile de la pagina 43 si efectuati toti pasii pana la capat.

- IT**
- Con l'aiuto di un adulto, smonta i cilindri H1/2/3/4/5 del braccio, poi i cilindri H1/2/3/4/5 delle leve.
 - Togli i tubi dei cilindri H1/2/3/4/5
 - Svuota in un lavandino. Per riempire, riprendi le istruzioni a pagina 43 ed esegui di nuovo i passaggi che vi sono descritti fino alla fine.





FR MISE EN GARDE : Uniquement pour enfants de 10 ans et plus.
ATTENTION ! Ne convient pas aux enfants de moins de 36 mois.
Présence de petits éléments susceptibles d'être ingérés.
Danger d'étouffement.

ATTENTION ! A utiliser sous la surveillance rapprochée d'un adulte. Présence de pointes et de bords coupants fonctionnels.

GARDER L'EMBALLAGE POUR REFERENCE FUTURE.
Les couleurs et le contenu peuvent varier légèrement.

DE WARNUNG: Für Kinder ab 10 Jahren.
ACHTUNG! Nicht für Kinder unter 36 Monaten geeignet wegen verschluckbarer Kleinteile.
Erstickungsgefahr.

ACHTUNG! Nur unter der direkten Aufsicht eines Erwachsenen benutzen. Verletzungsgefahr durch Spitzen und funktionelle Schneidkanten.

BEWAHREN SIE DIE VERPACKUNG FÜR ZUKÜNTIGE REFERENZ. Farben und Inhalte können leicht variieren.

ES ADVERTENCIA: Únicamente para niños a partir de 10 años.
¡ADVERTENCIA! No conviene para niños menores de 36 meses ya que contiene piezas pequeñas que podrían ser ingeridas.
Peligro de asfixia.

¡ATENCIÓN! Se utilizará exclusivamente bajo la vigilancia directa de una persona adulta. Presencia de una punta afilada o bordes cortantes.

GUARDAR EL EMBALAJE PARA FUTURAS CONSULTAS.
Los colores y contenido pueden variar ligeramente.

EN WARNING: For children aged 10 and over only.
WARNING! Not suitable for children under 36 months due to small parts which can be ingested.
Choking hazard.

WARNING! To be used under the direct supervision of an adult. Presence of functional sharp points and edges.

RETAIN THE PACKAGING FOR FUTURE REFERENCE.
The colors and content may slightly vary.

NL LET OP: Alleen voor kinderen ouder dan 10 jaar.
WAARSCHUWING! Niet geschikt voor kinderen jonger dan 36 maanden, vanwege kleine onderdelen.
Verstikkingsgevaar.

WAARSCHUWING! Alleen gebruiken onder toezicht van een volwassene. Aanwezigheid van scherpe punten en randen !

VERPAKKING BEWAREN VOOR REFERENTIE.
De kleuren en inhoud kunnen iets afwijken.

RO AVERTISMENT: Doar pentru copii de peste 10 ani.
AVERTISMENT: Interzis copiilor sub 3 ani. Contine piese mici ce pot fi înghițite. Pericol de sufocare.

ATENȚIE! A se utiliza sub directa supraveghere a unui adult.
Contine obiecte și margini ascuțite.

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Produs si distribuit de :
Developed and distributed by :

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