

DIGITAL INSTRUCTIONS

# Robotic Dragon Bank Kit

THAMES & KOSMOS

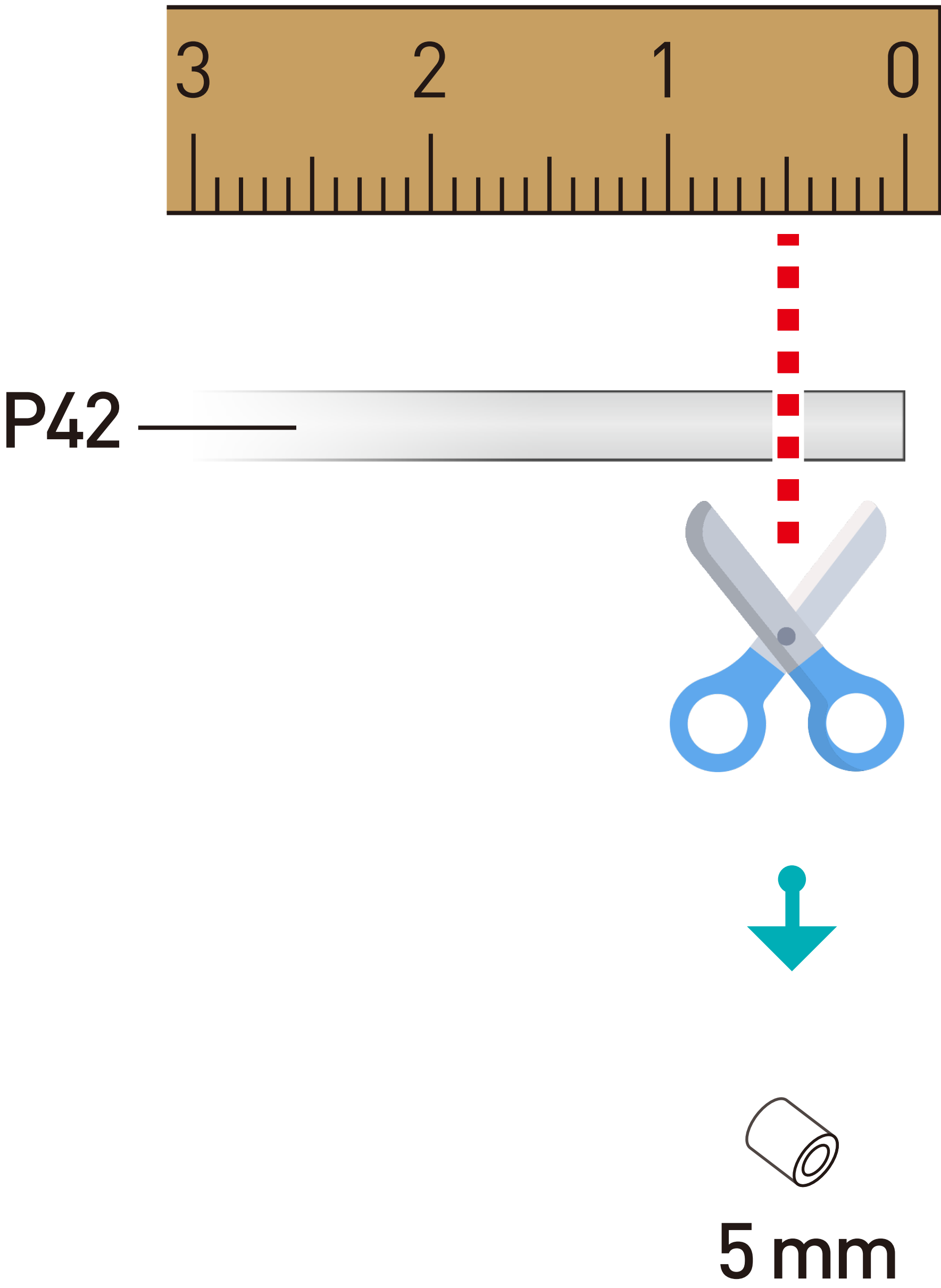




1

1. Cut a 5mm piece of the contact protector.

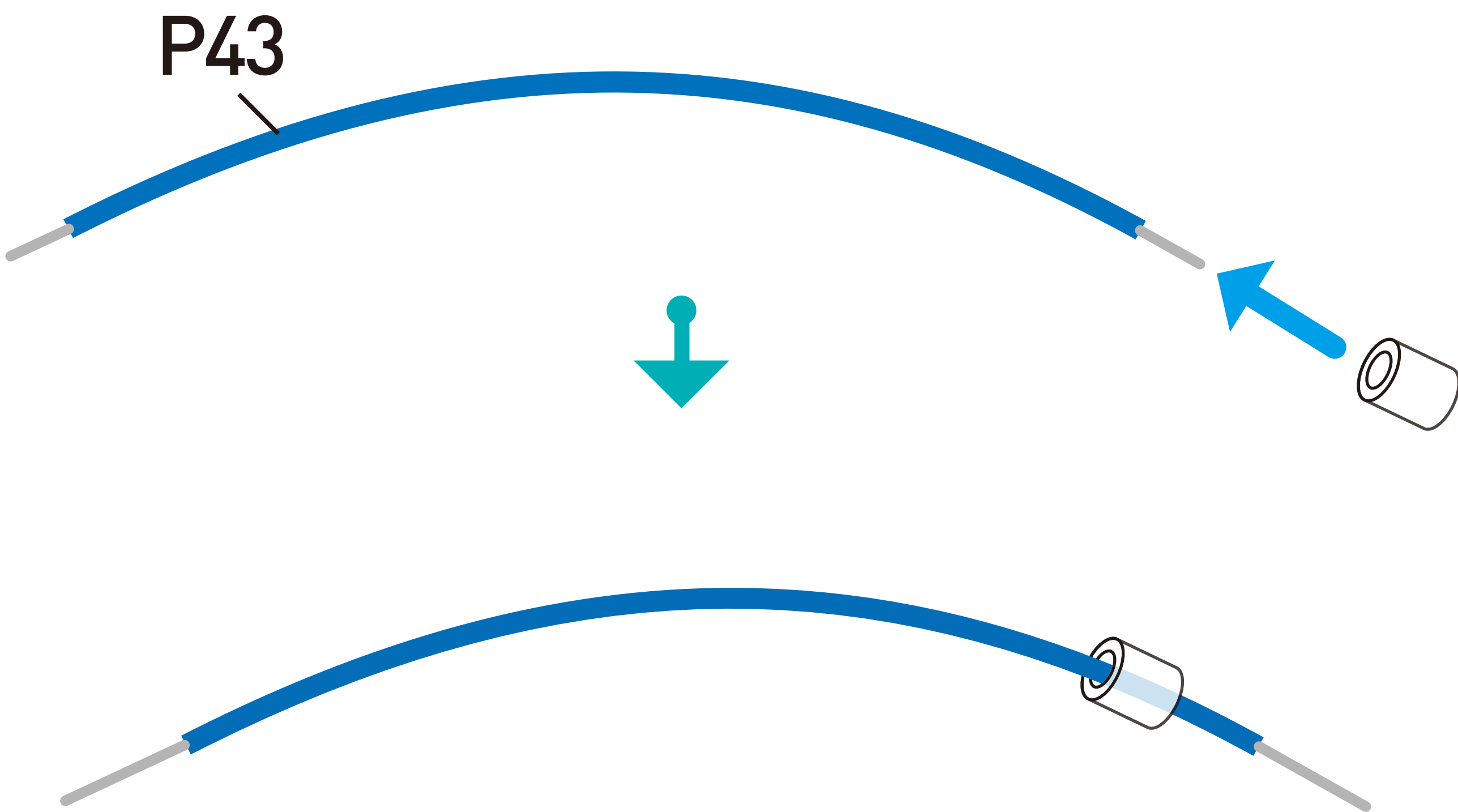
(Unit: CM)





1

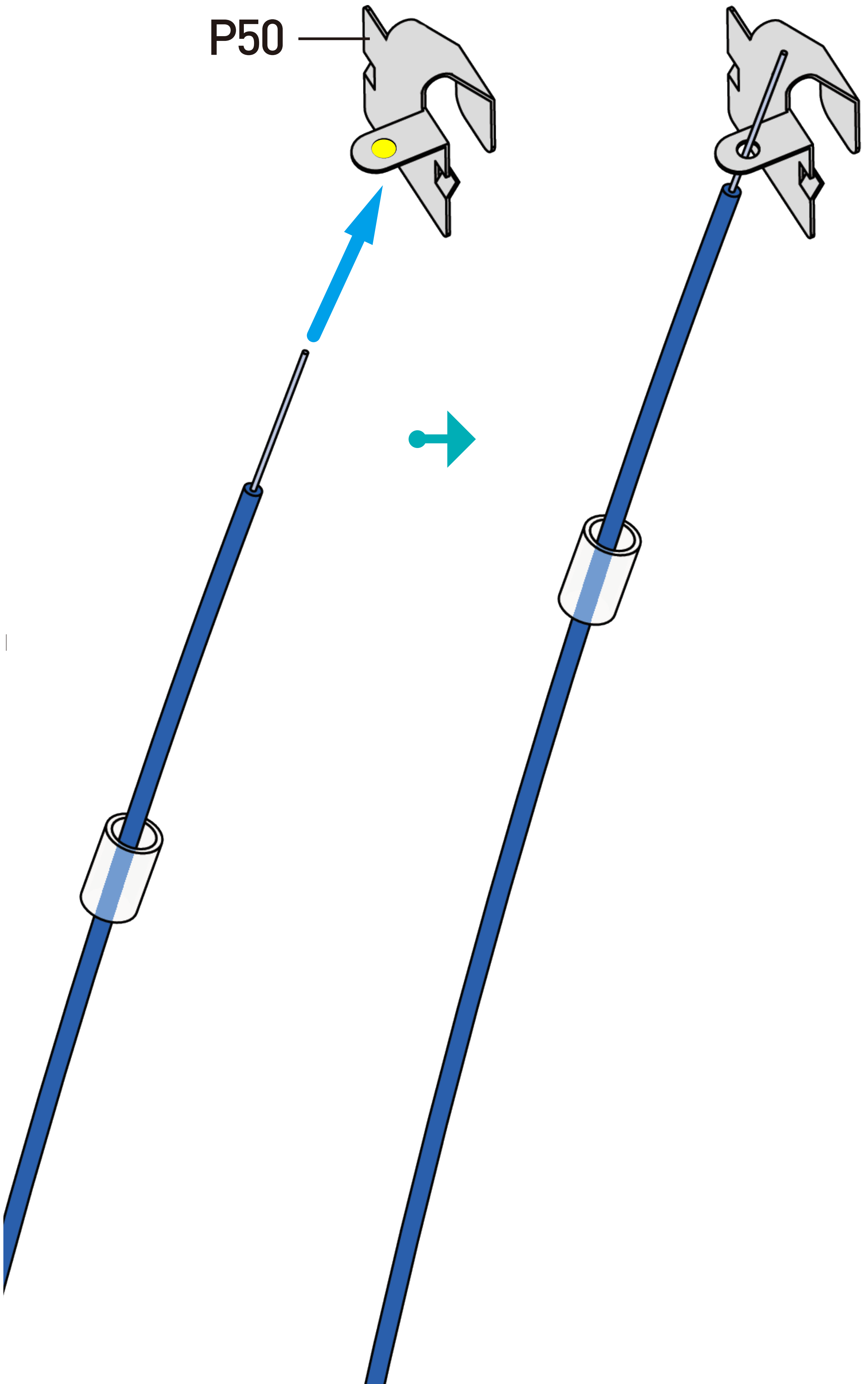
1. Slide the contact protector onto the blue cable.





1

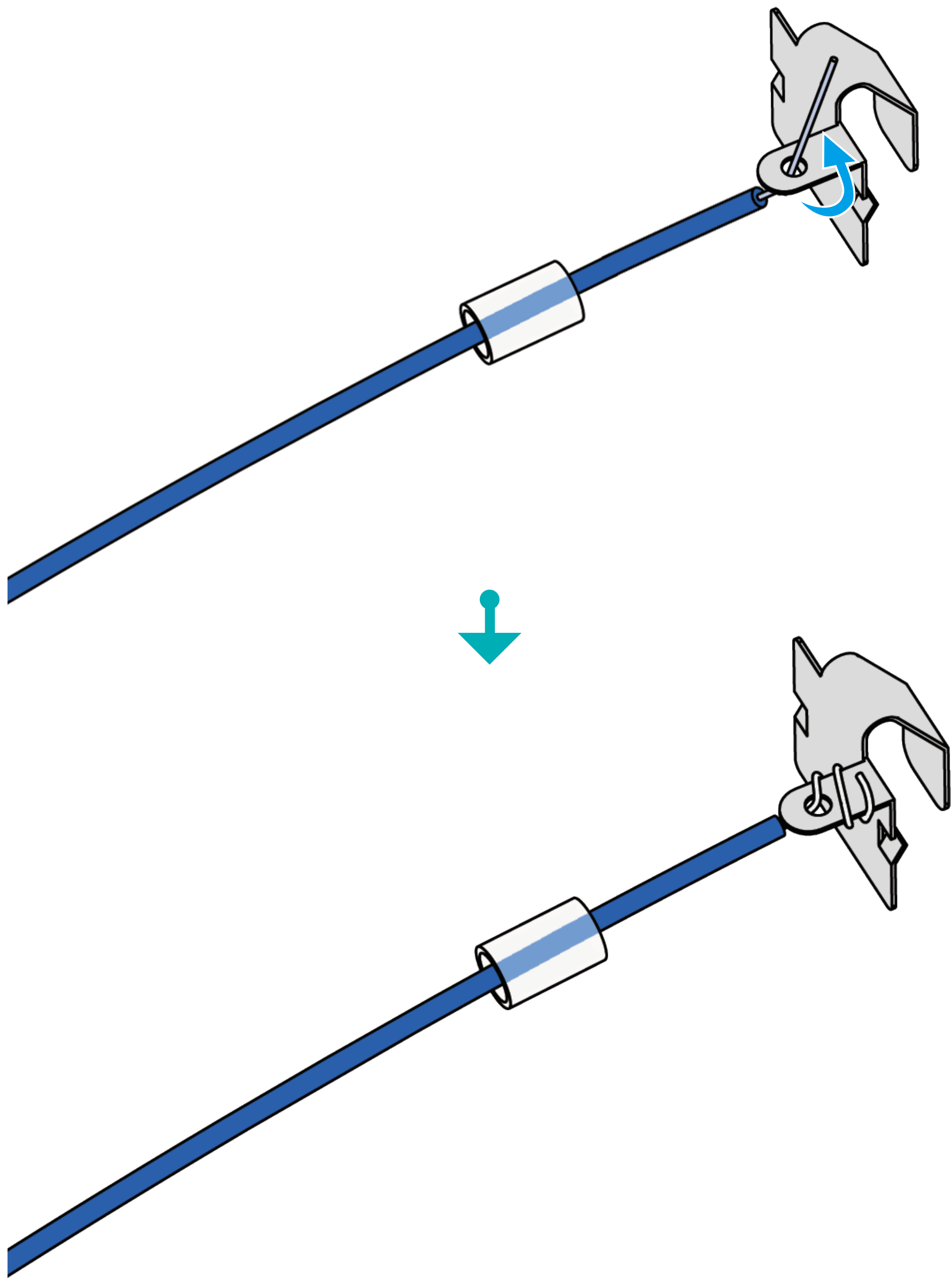
2. Pass the metal end of the cable through the hole in the contact.





1

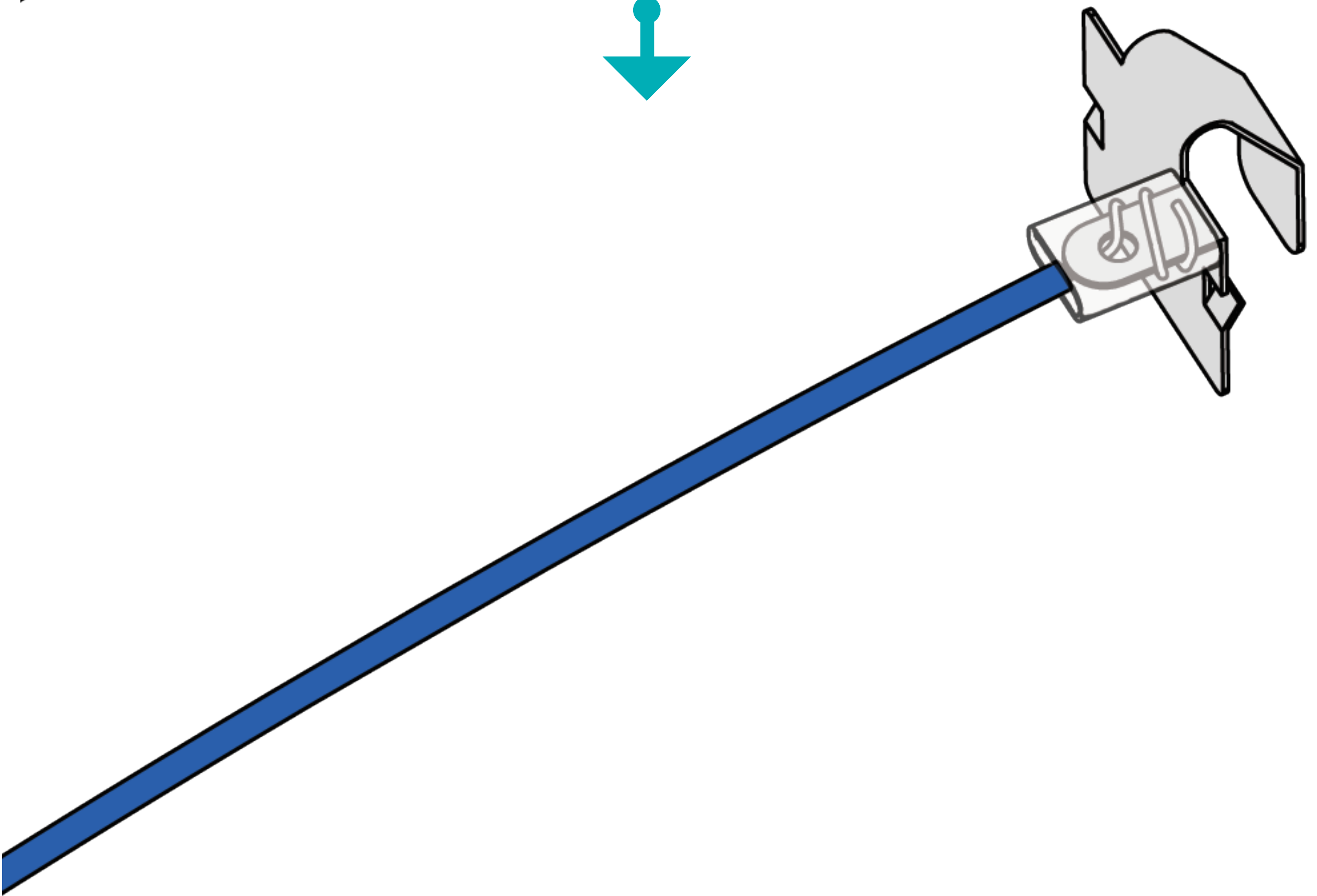
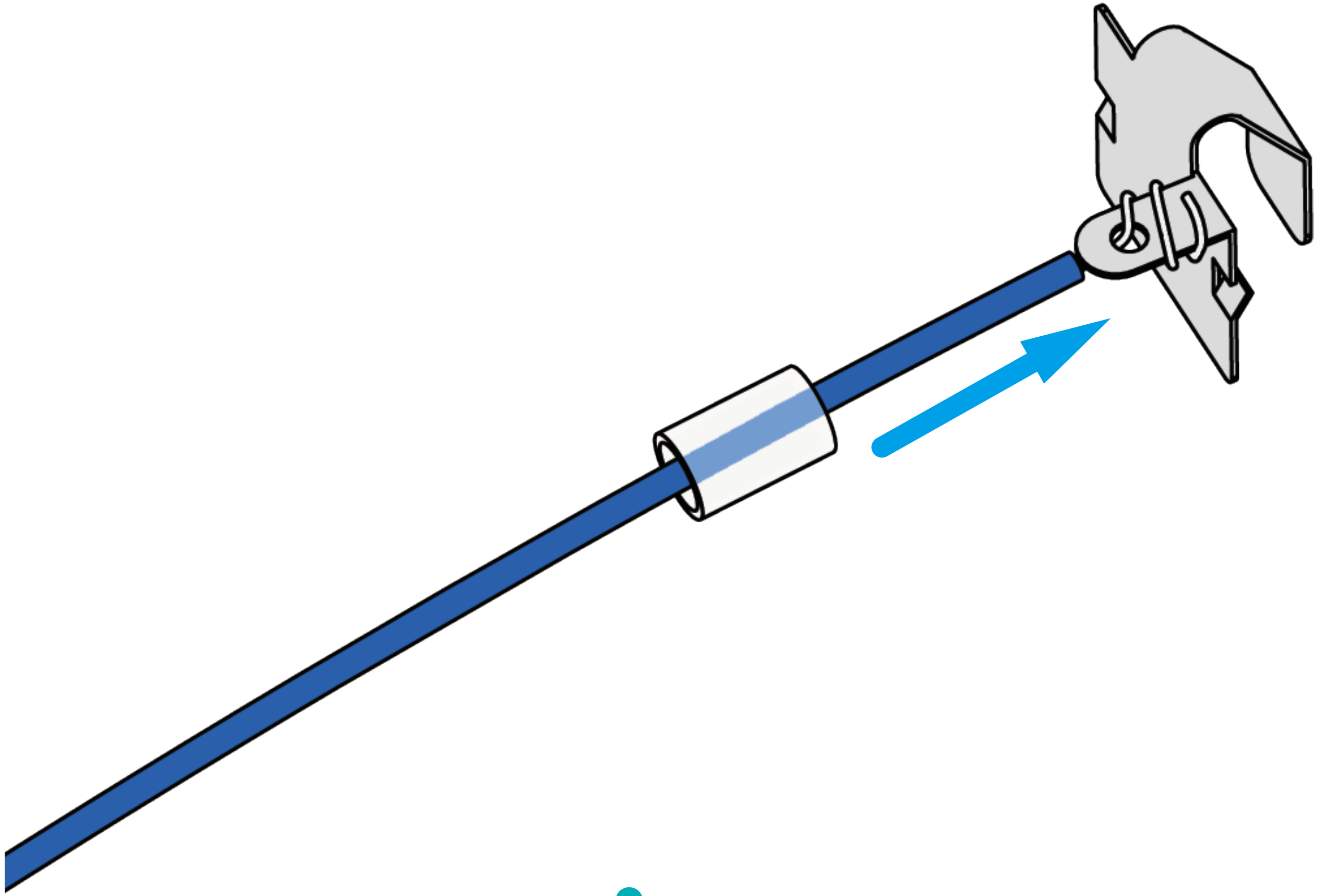
2. Wrap the cable around the metal contact.





1

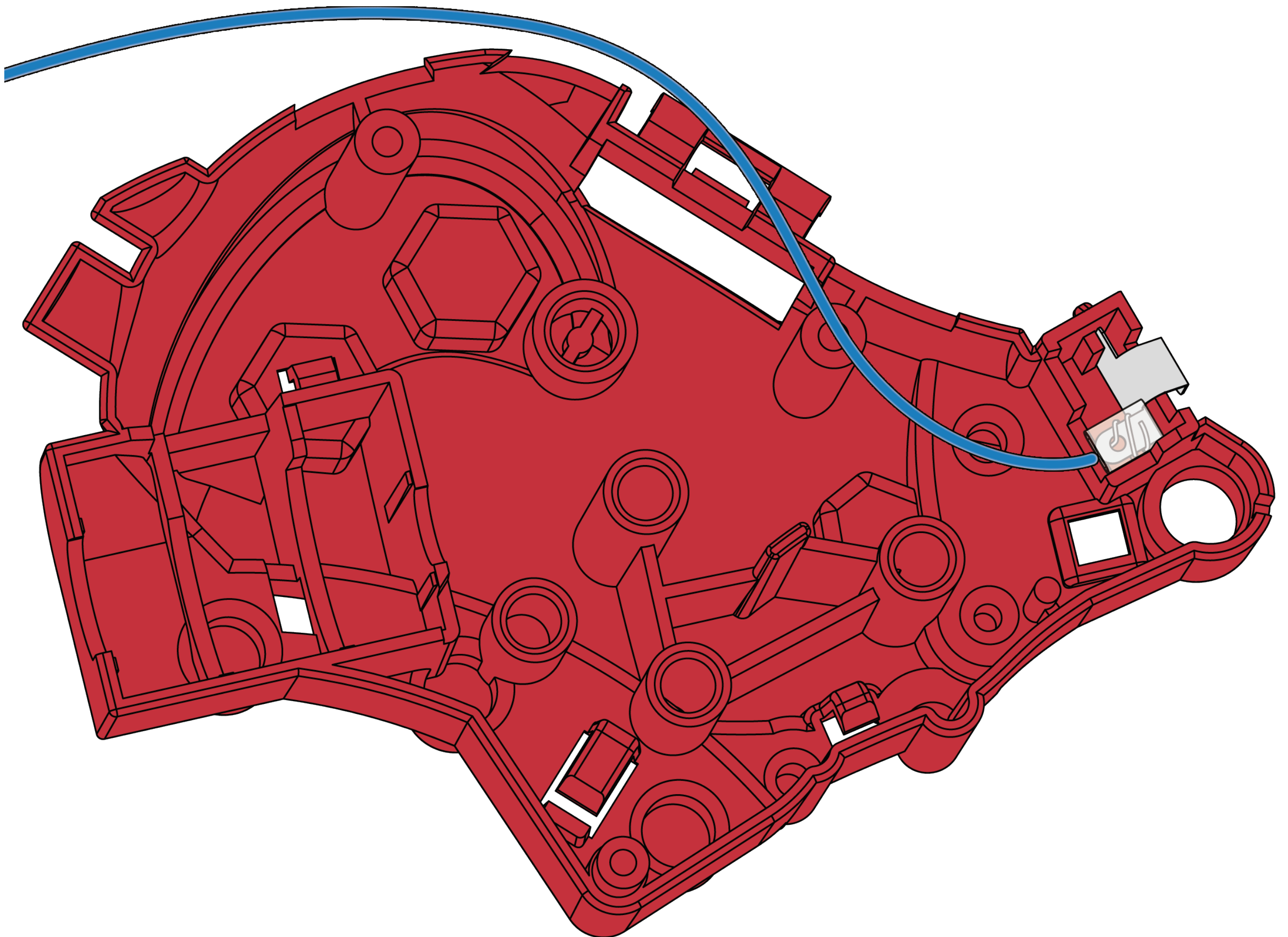
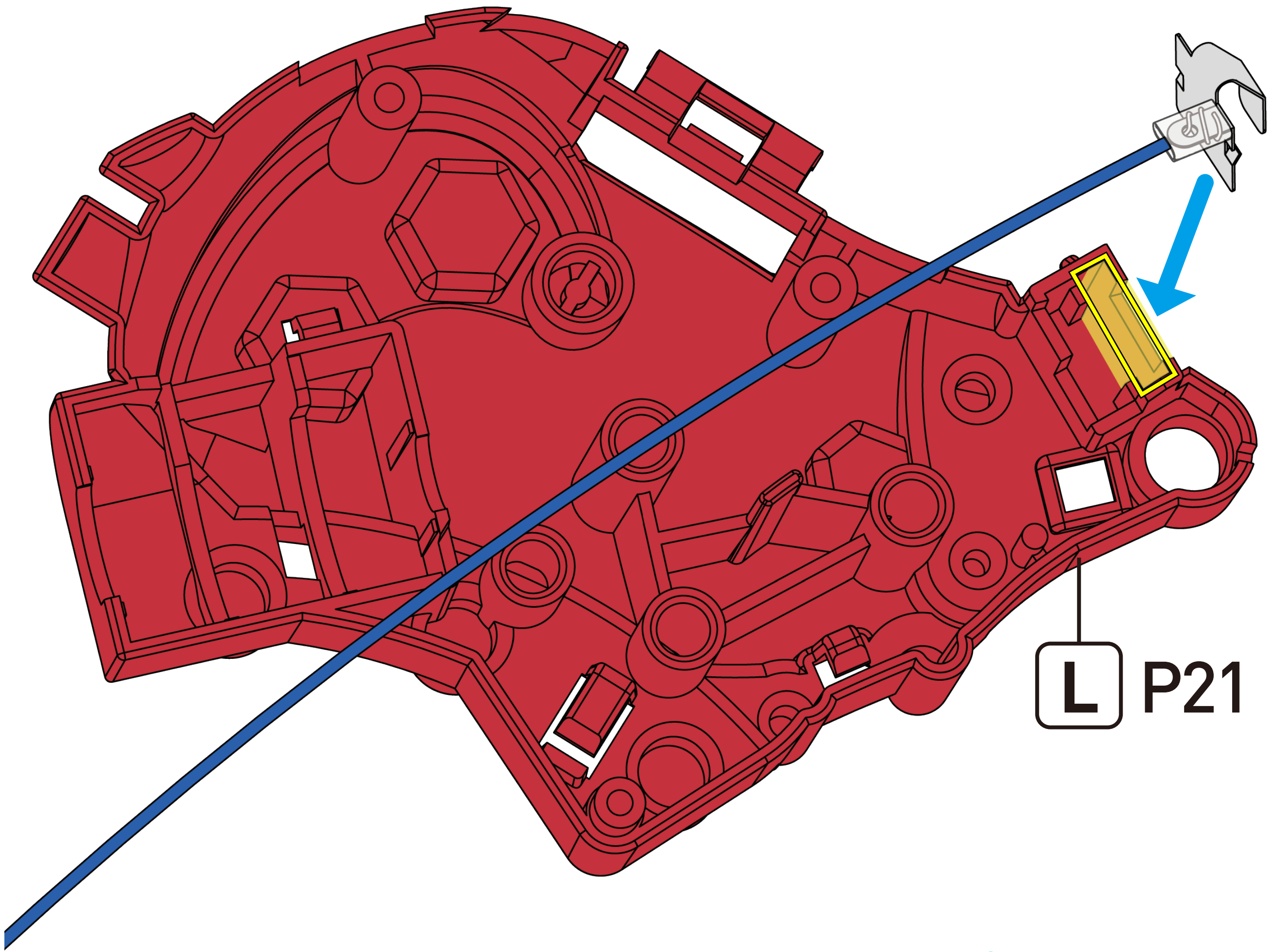
2. Slide the contact protector on to the metal contact.





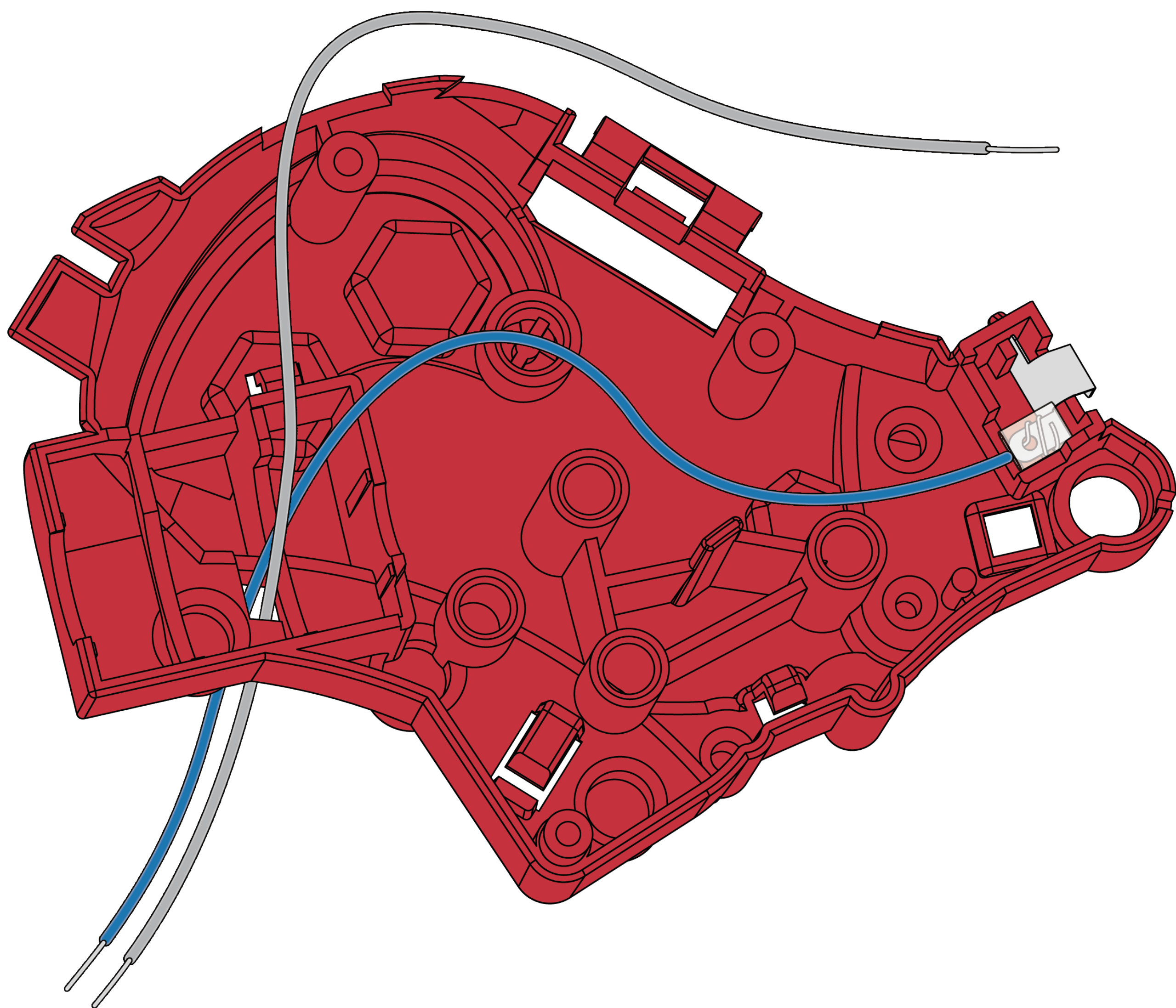
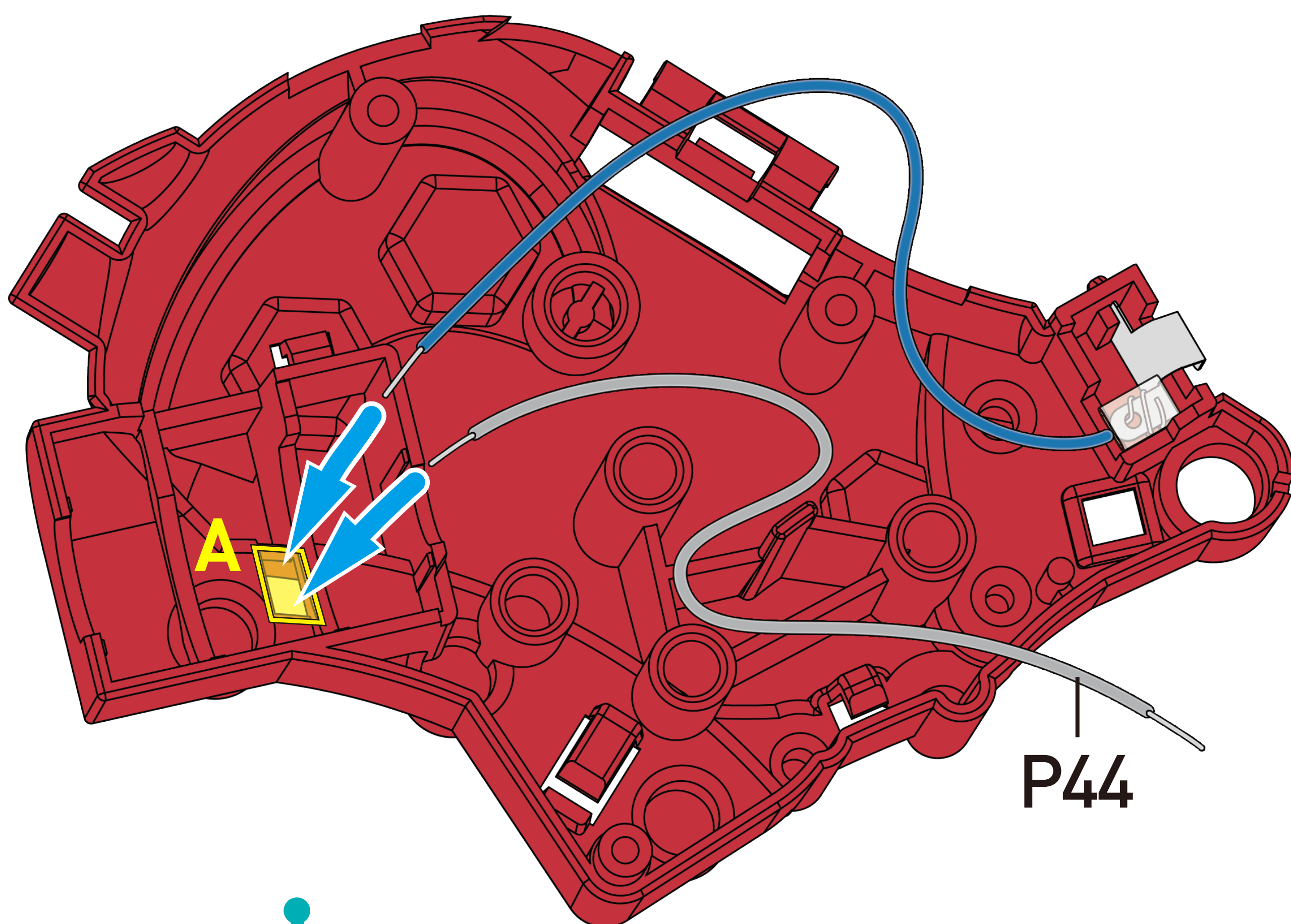
1

3. Slide the metal contact into the groove marked in yellow. Push it in completely.



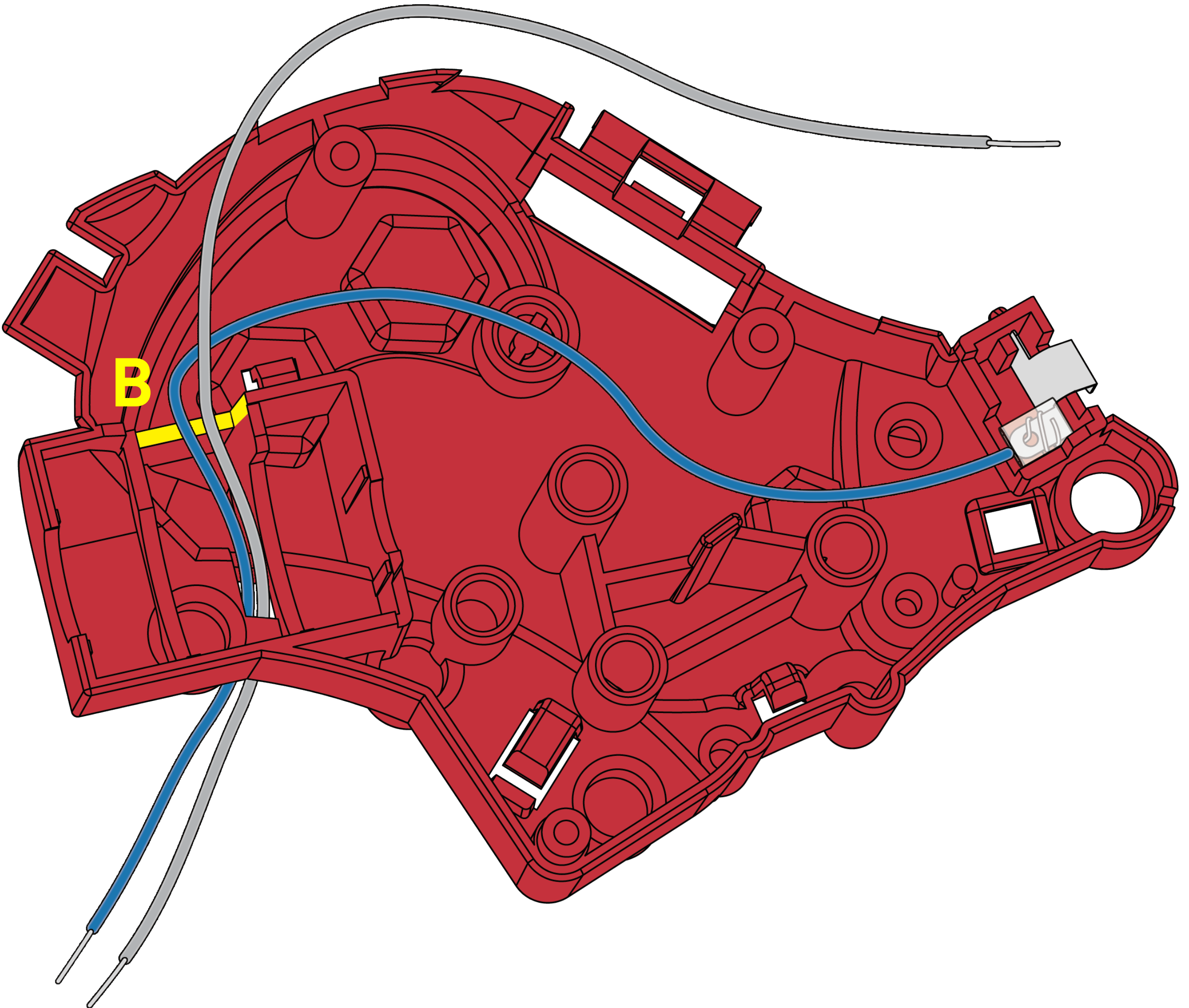
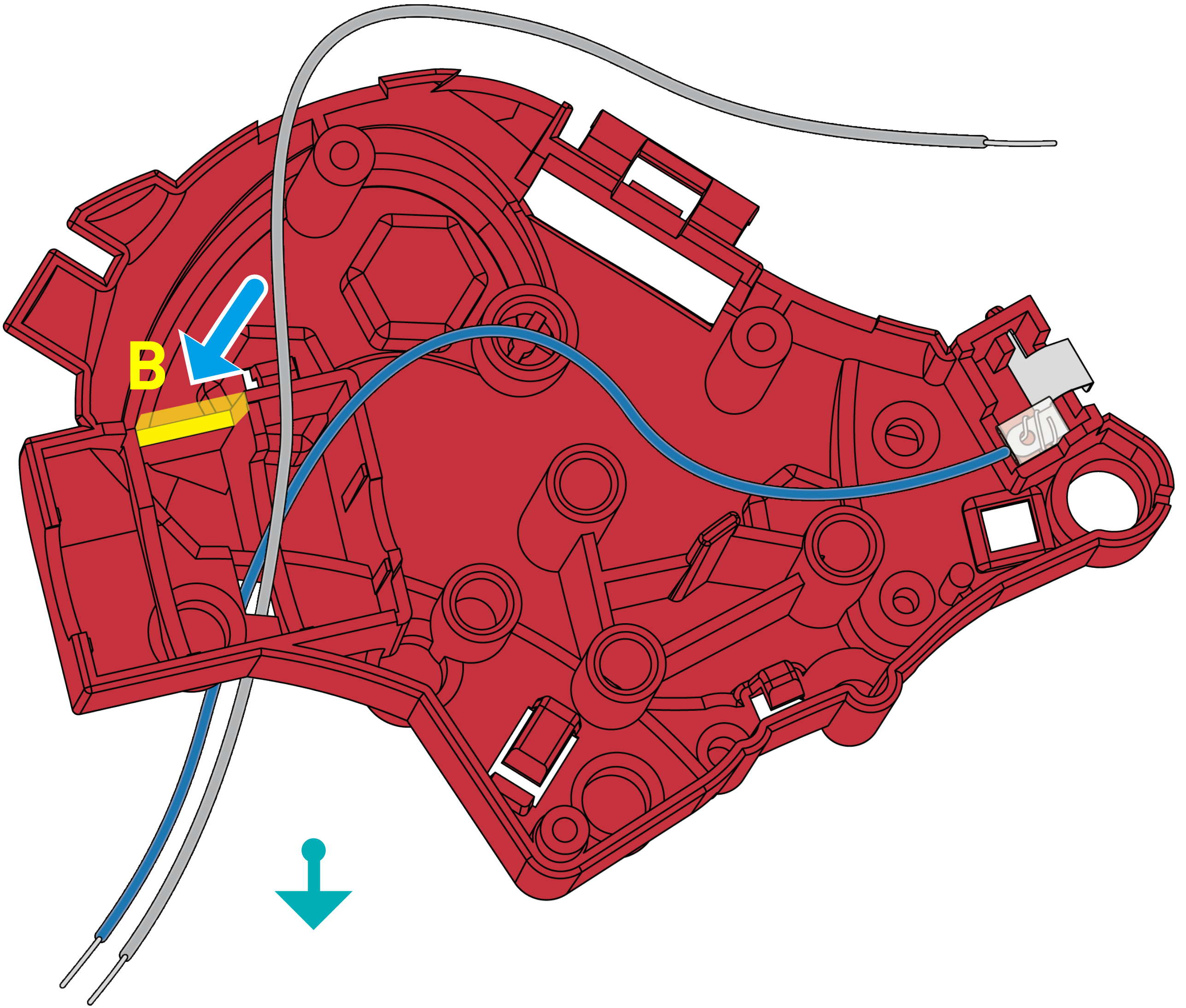


**2** 1. Insert the blue and gray cables through hole A.



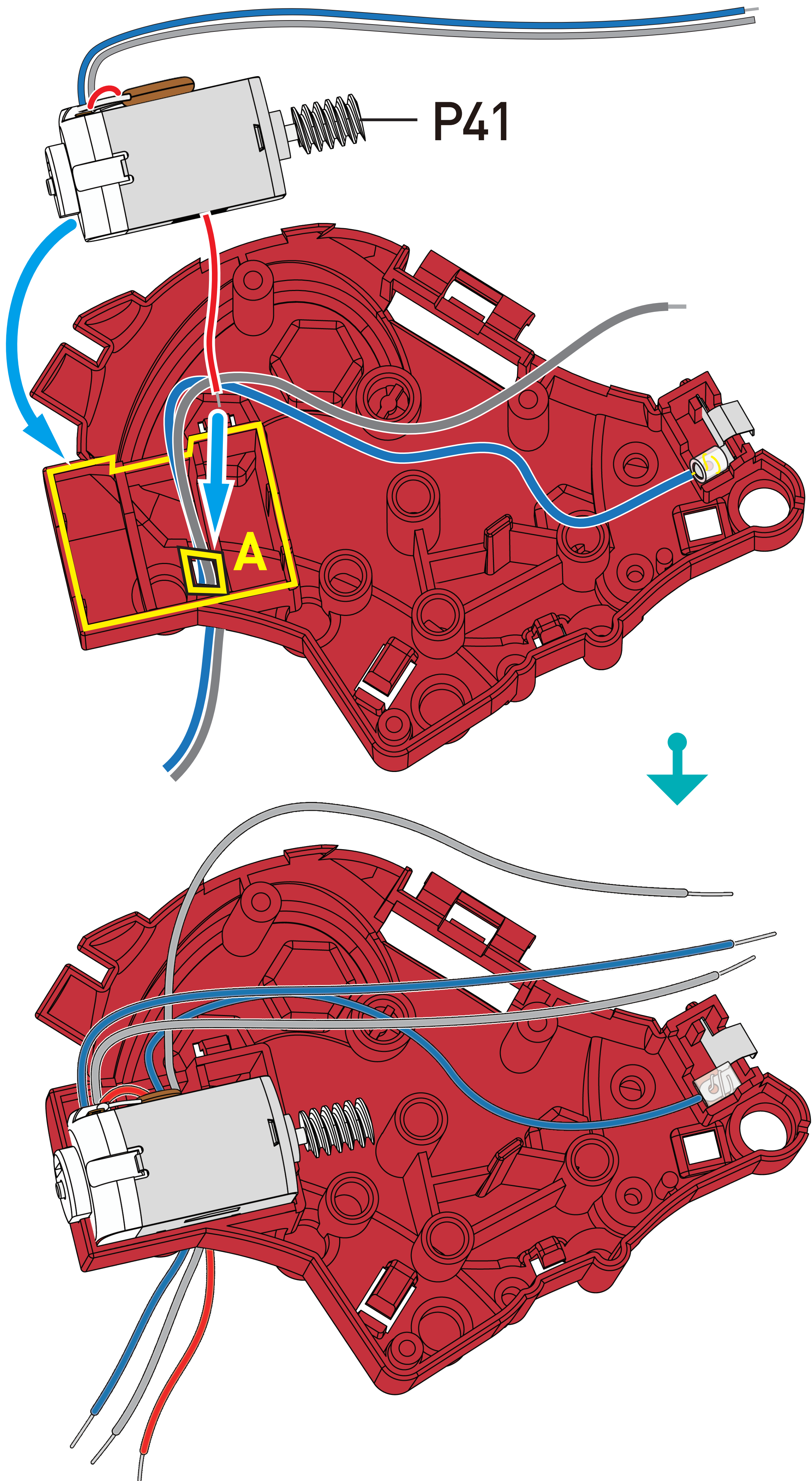


**2** 1. Bend the blue and gray cables so they sit in the channel B.





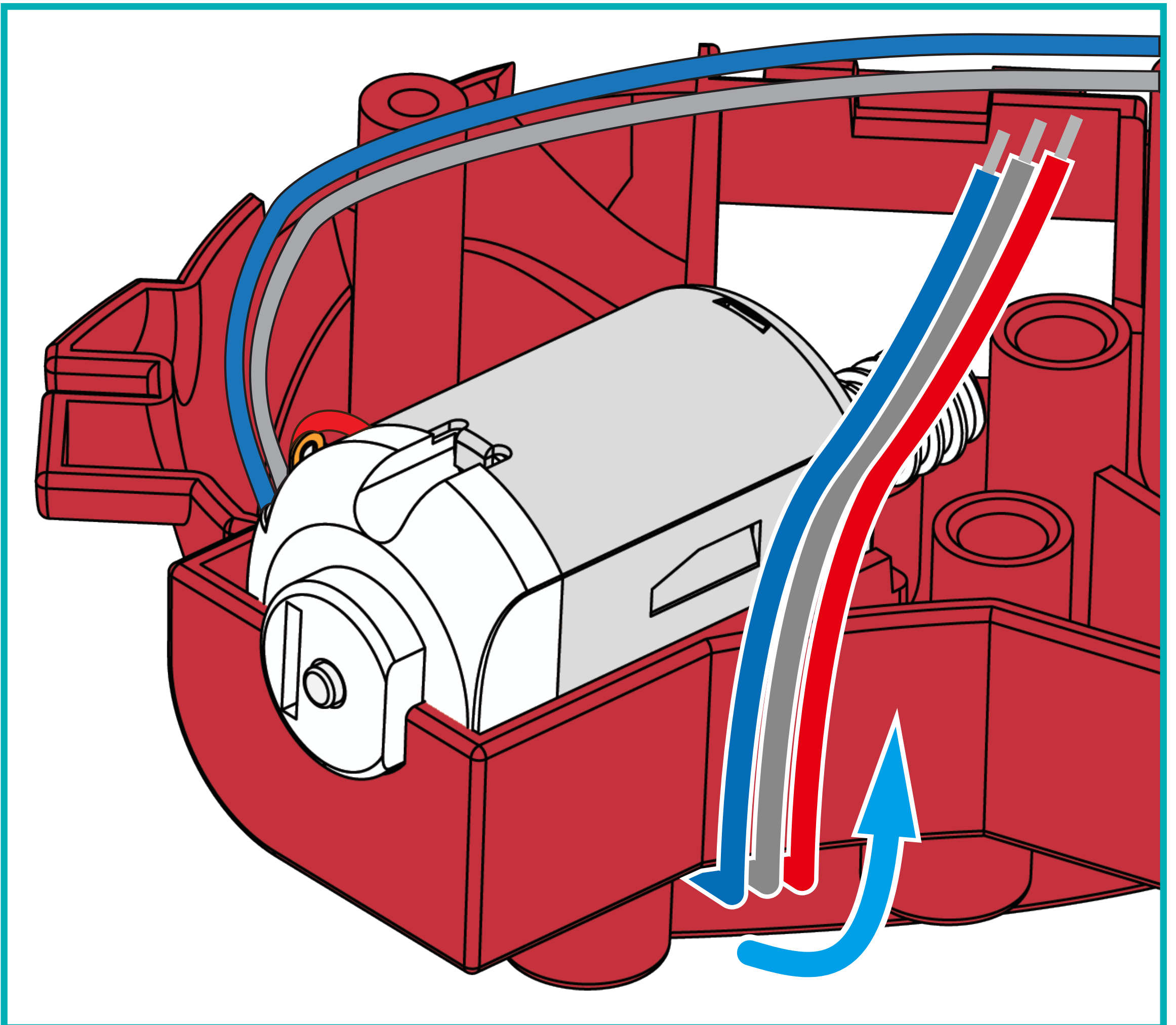
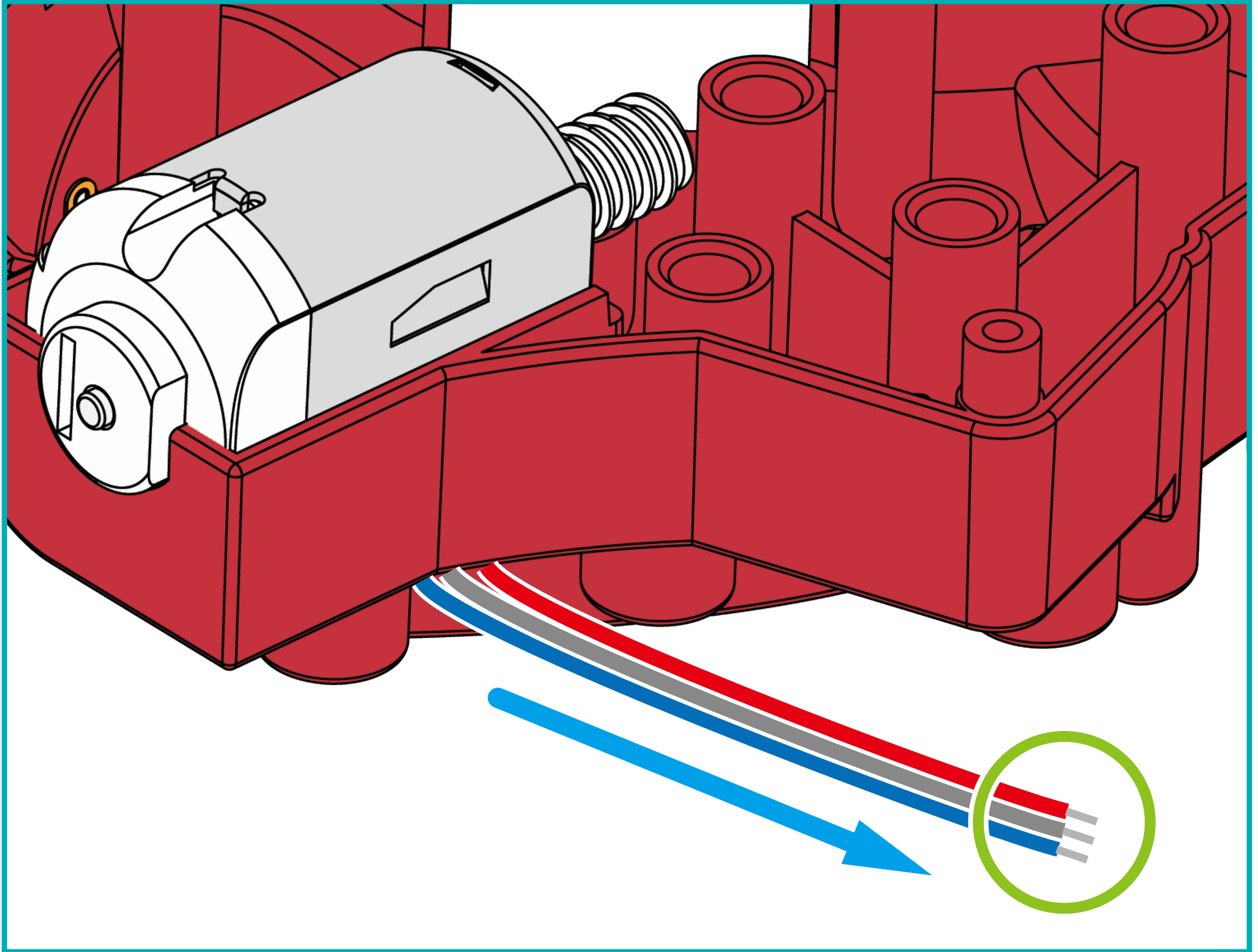
- 3** 1. Insert the red motor cable through hole A. Place the motor into the area marked in yellow.





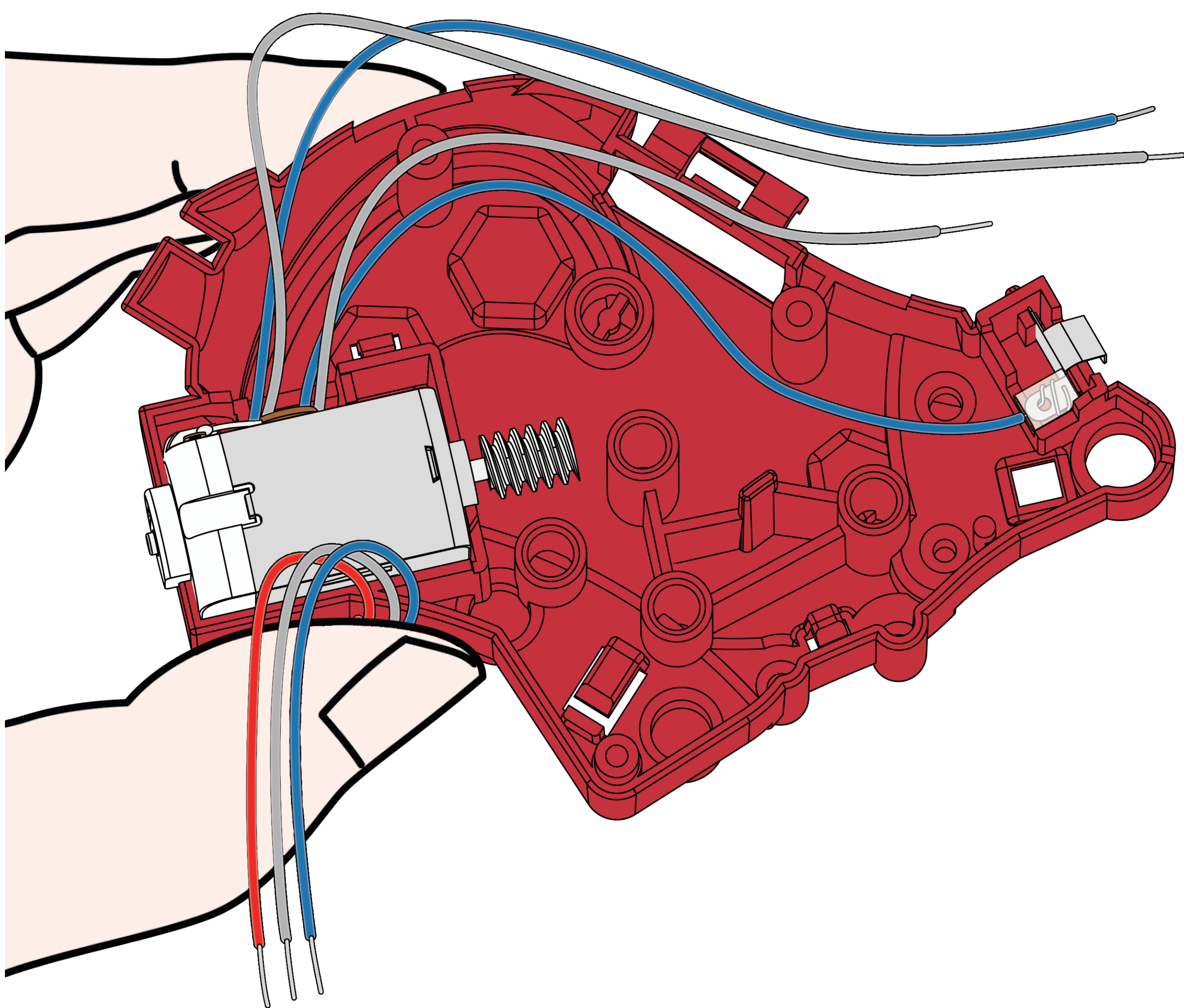
3

2. Pull on the red, gray and blue cables until they are the same length, then bend them upward.



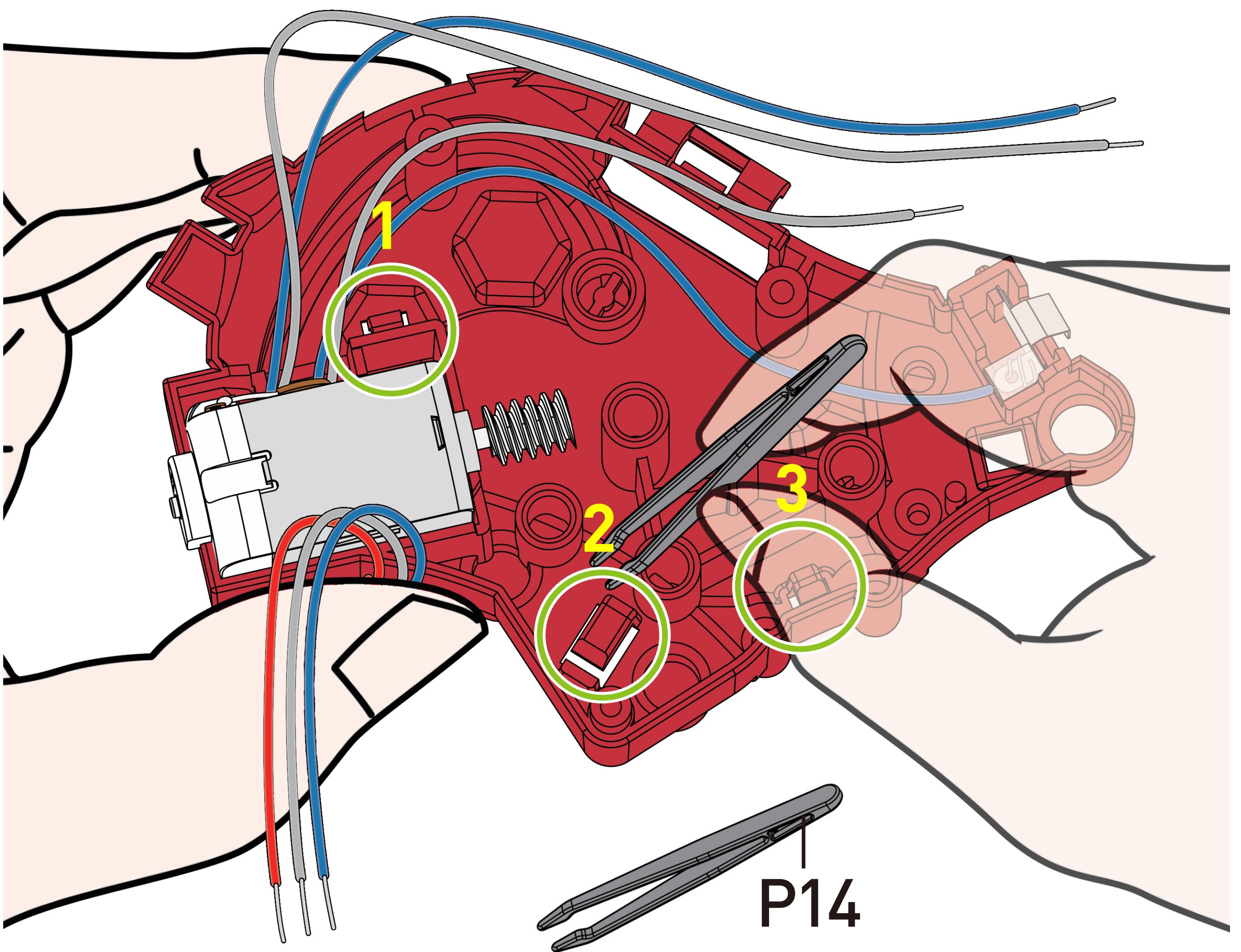
4

1. Hold the assembly in your non-dominant hand, pressing the three cables in place with your thumb.





**4** 2. Use the tweezers (P14) in your other hand to arrange the two blue and two gray cables under the tabs at 1, 2, and 3.



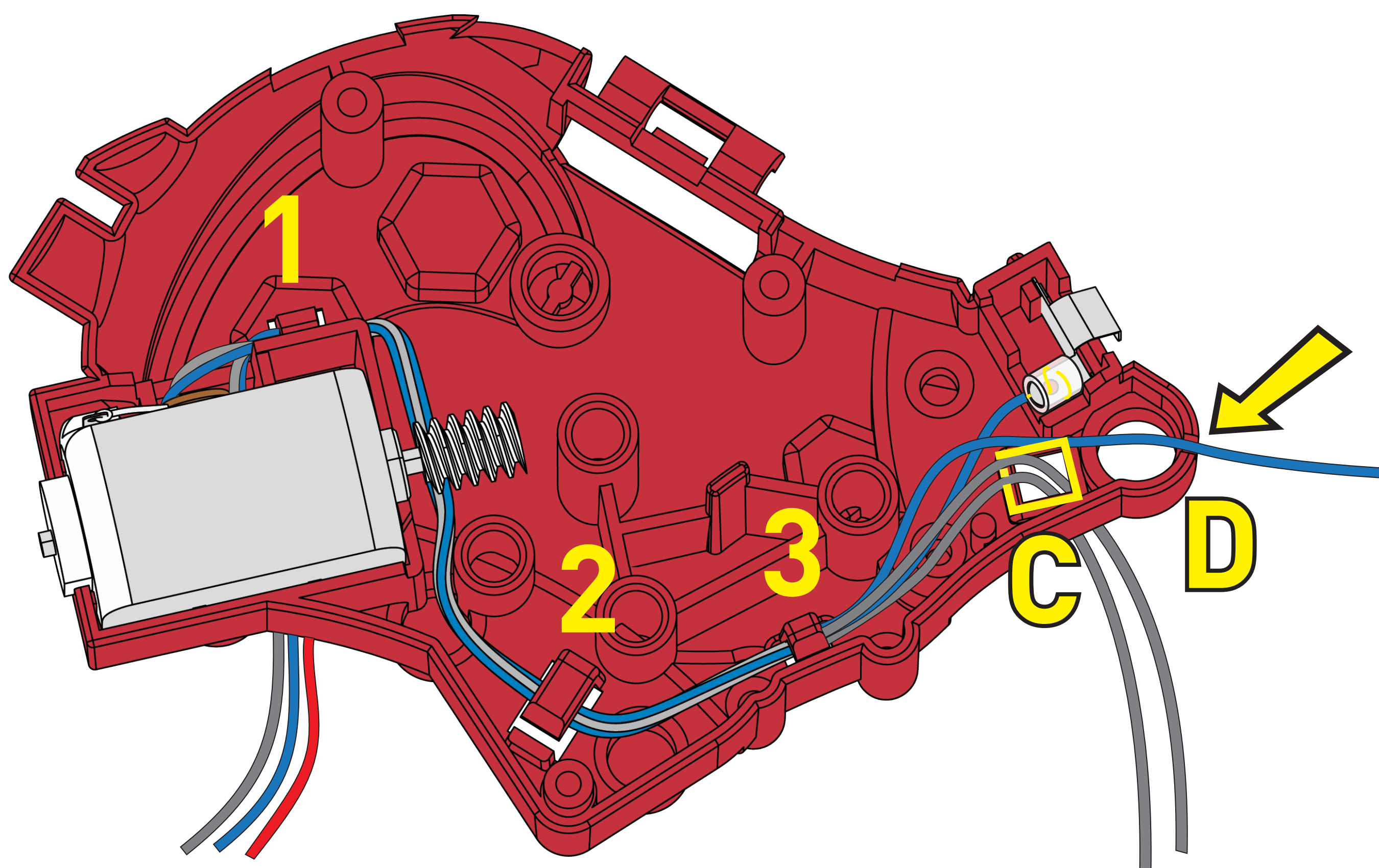
**NOTE:**

It is okay if the cables are no longer the same length.

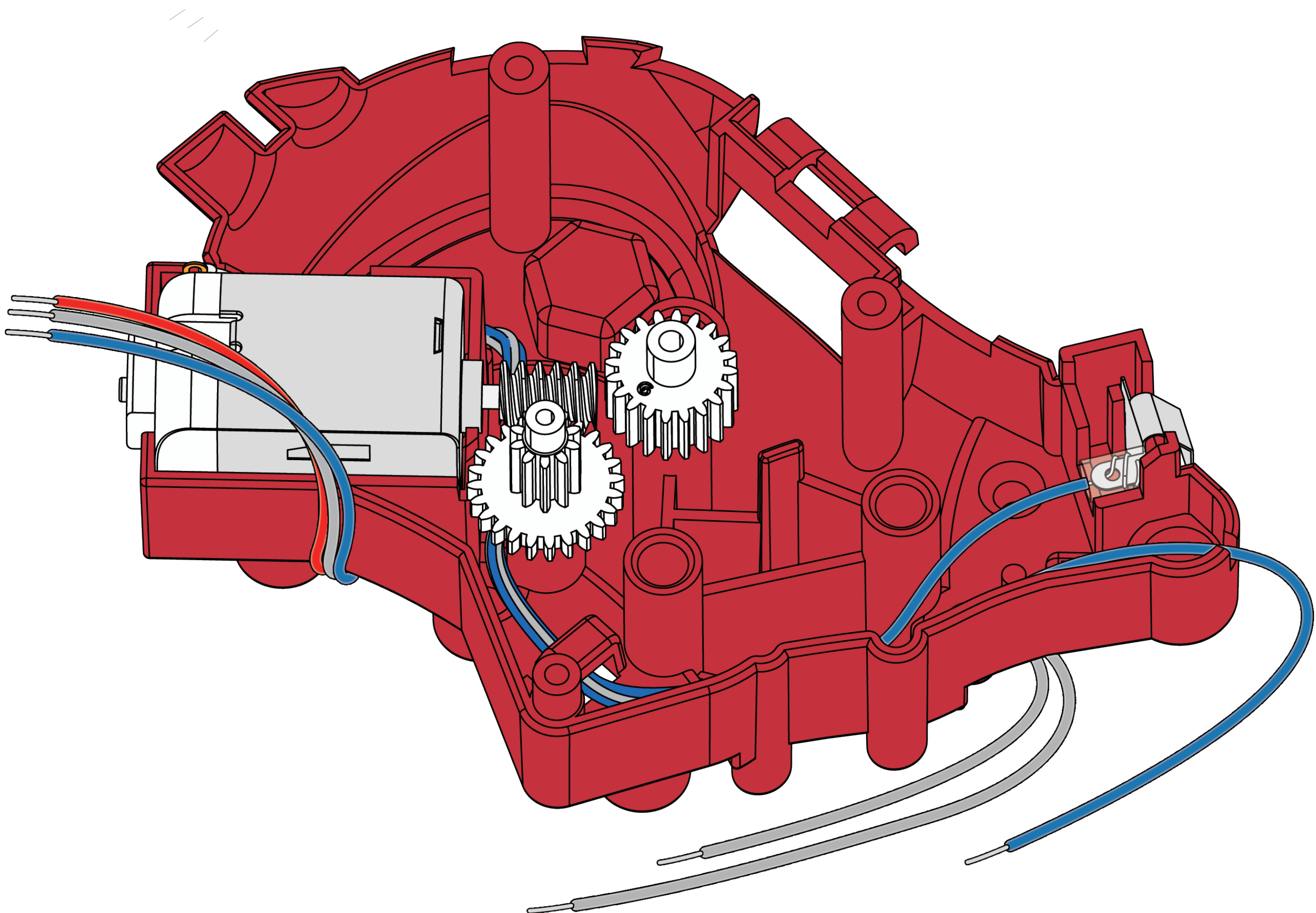
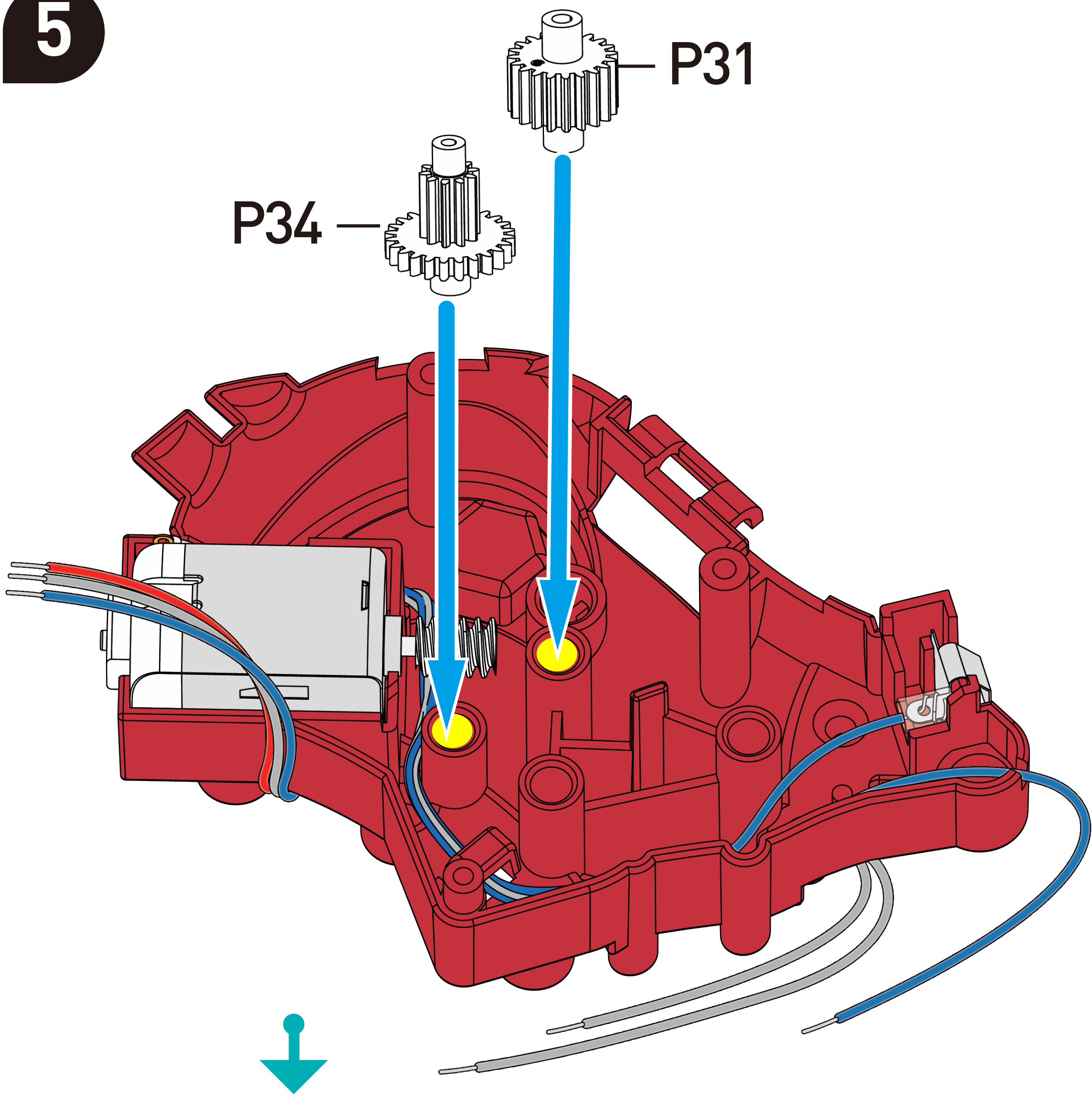


4

3. Thread the two gray cables through hole C and place the long blue cables into notch D.

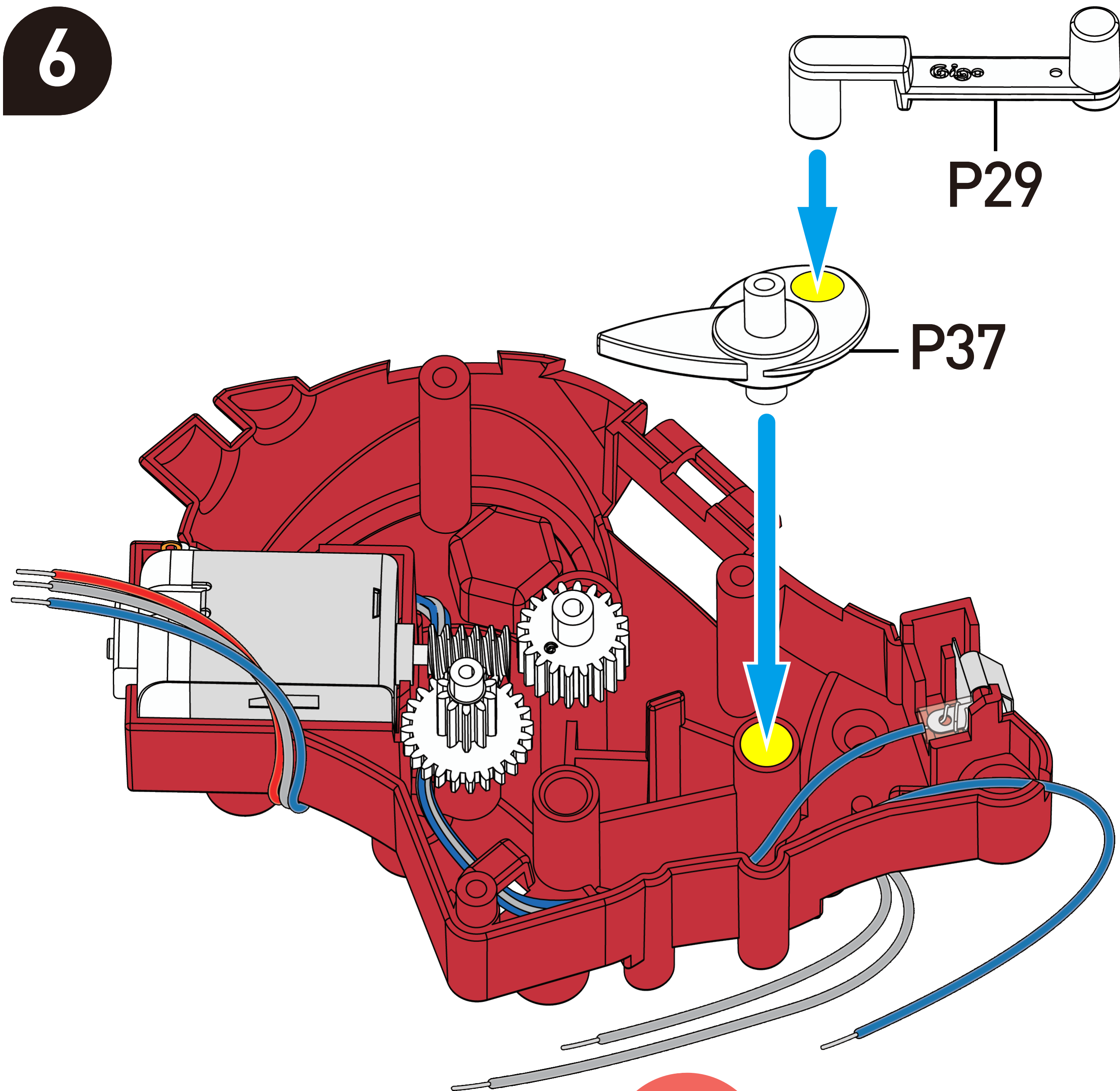


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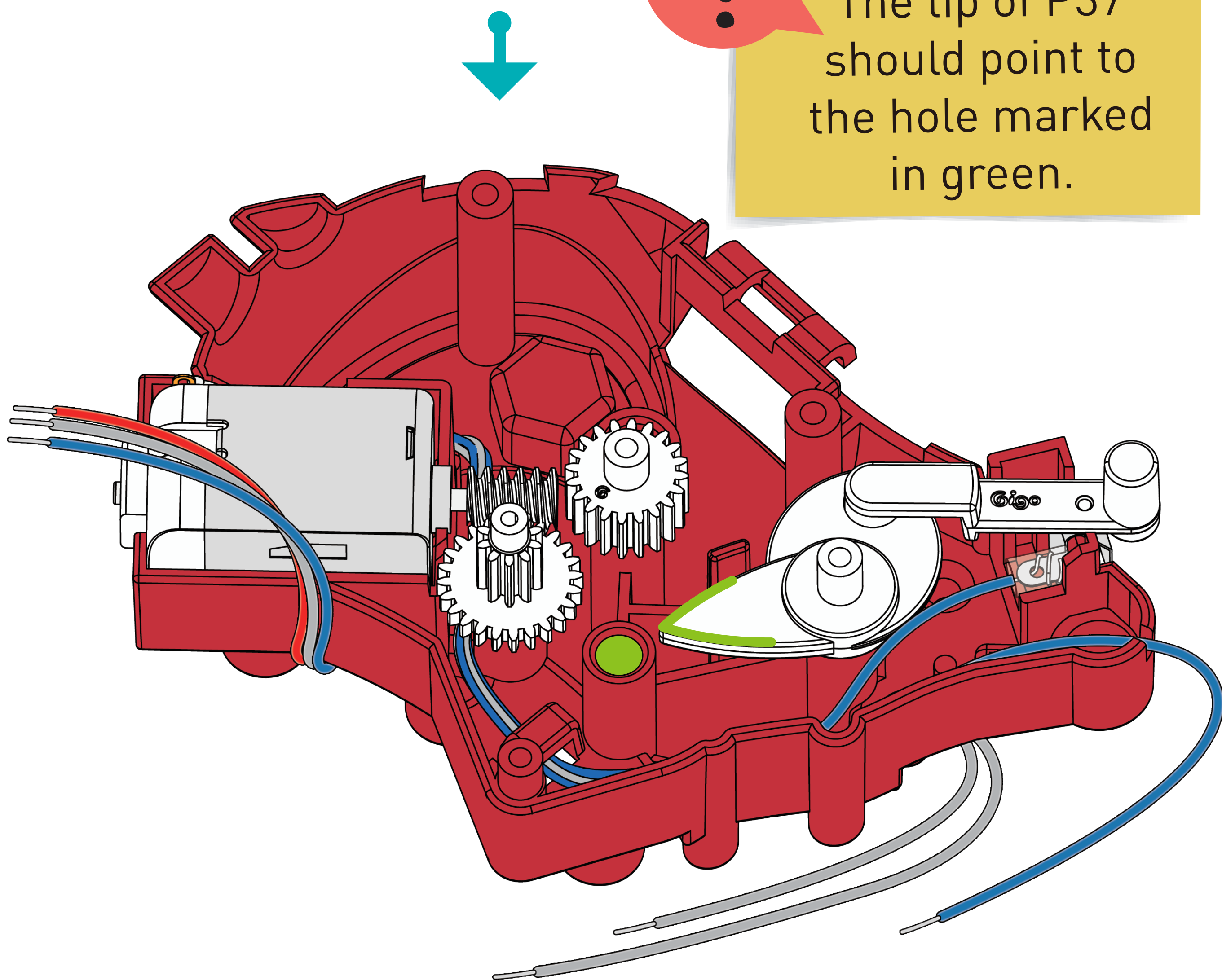




6



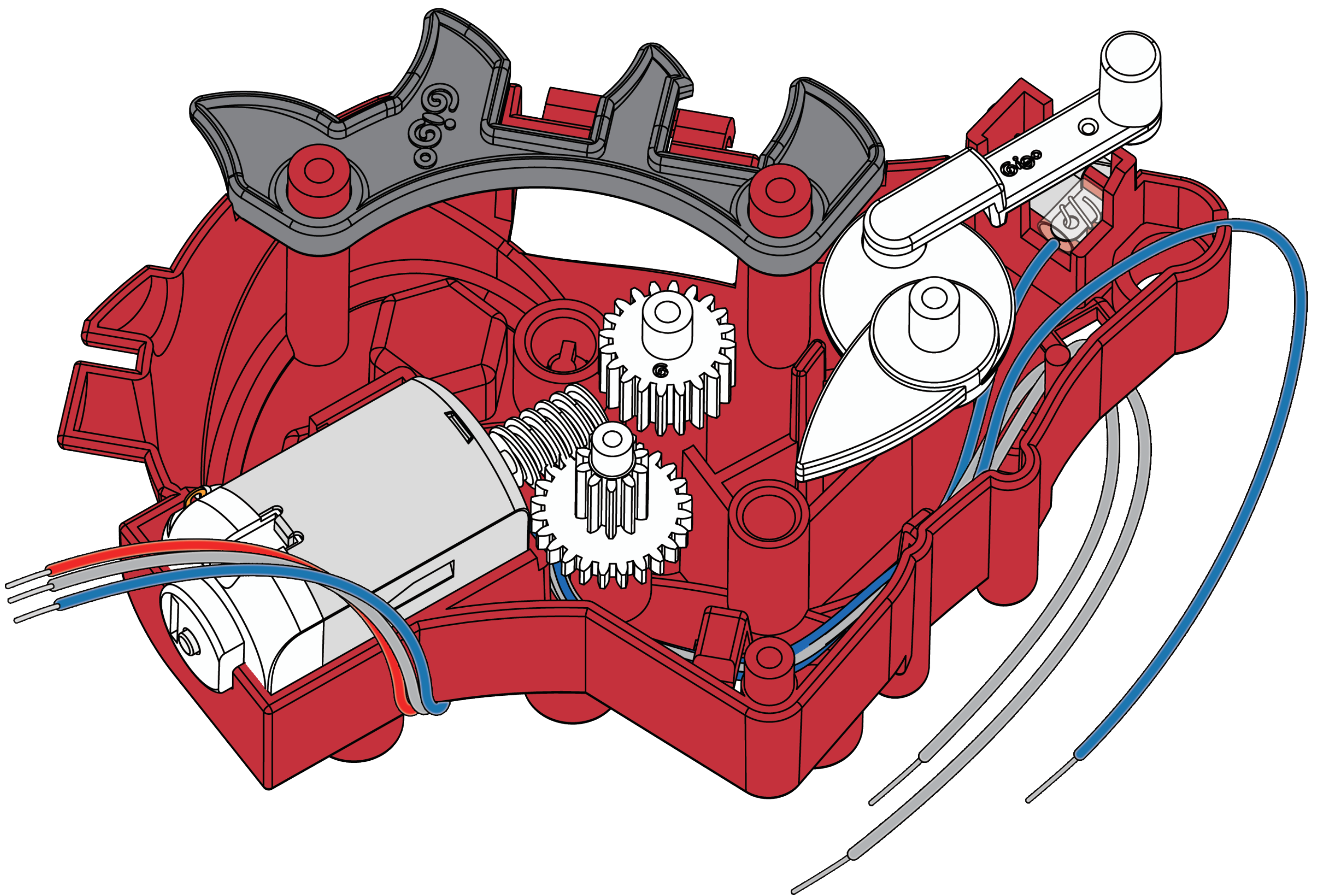
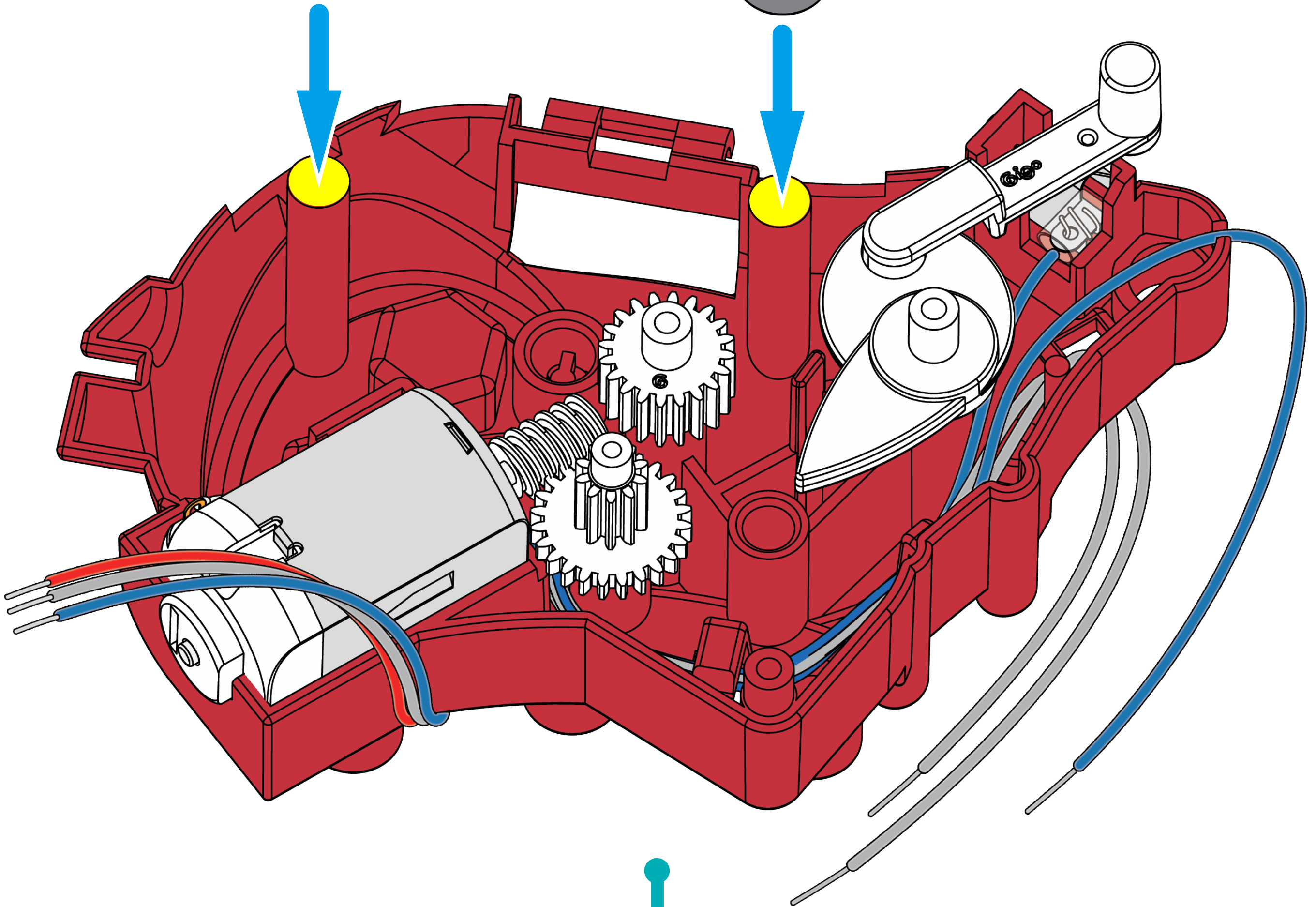
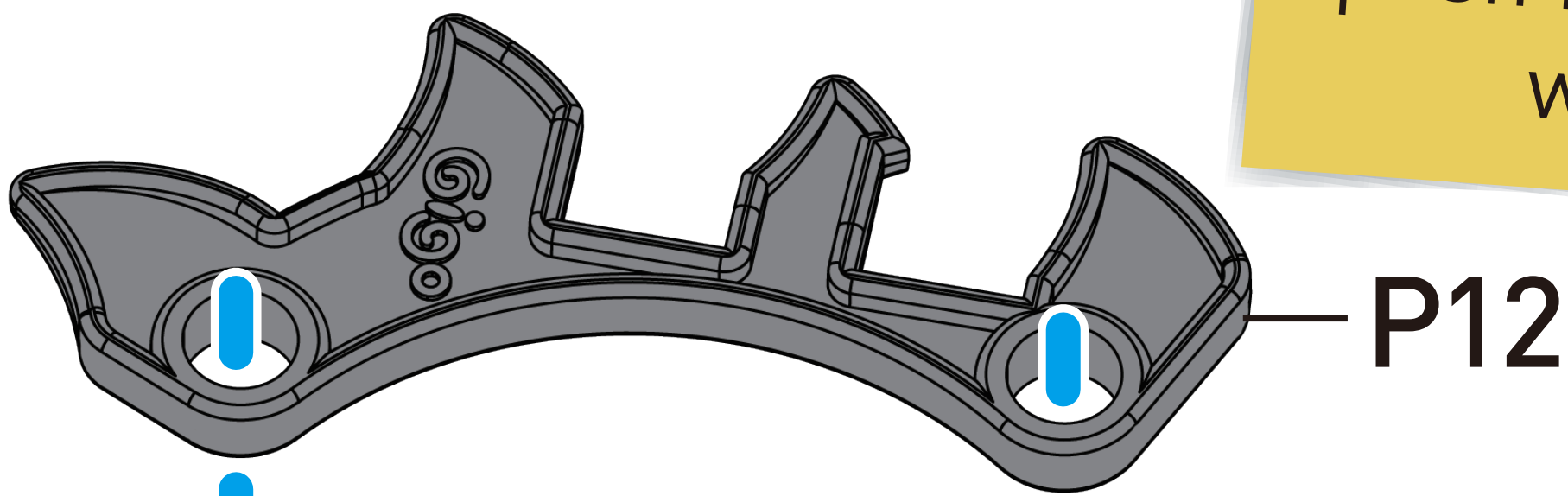
The tip of P37 should point to the hole marked in green.





7

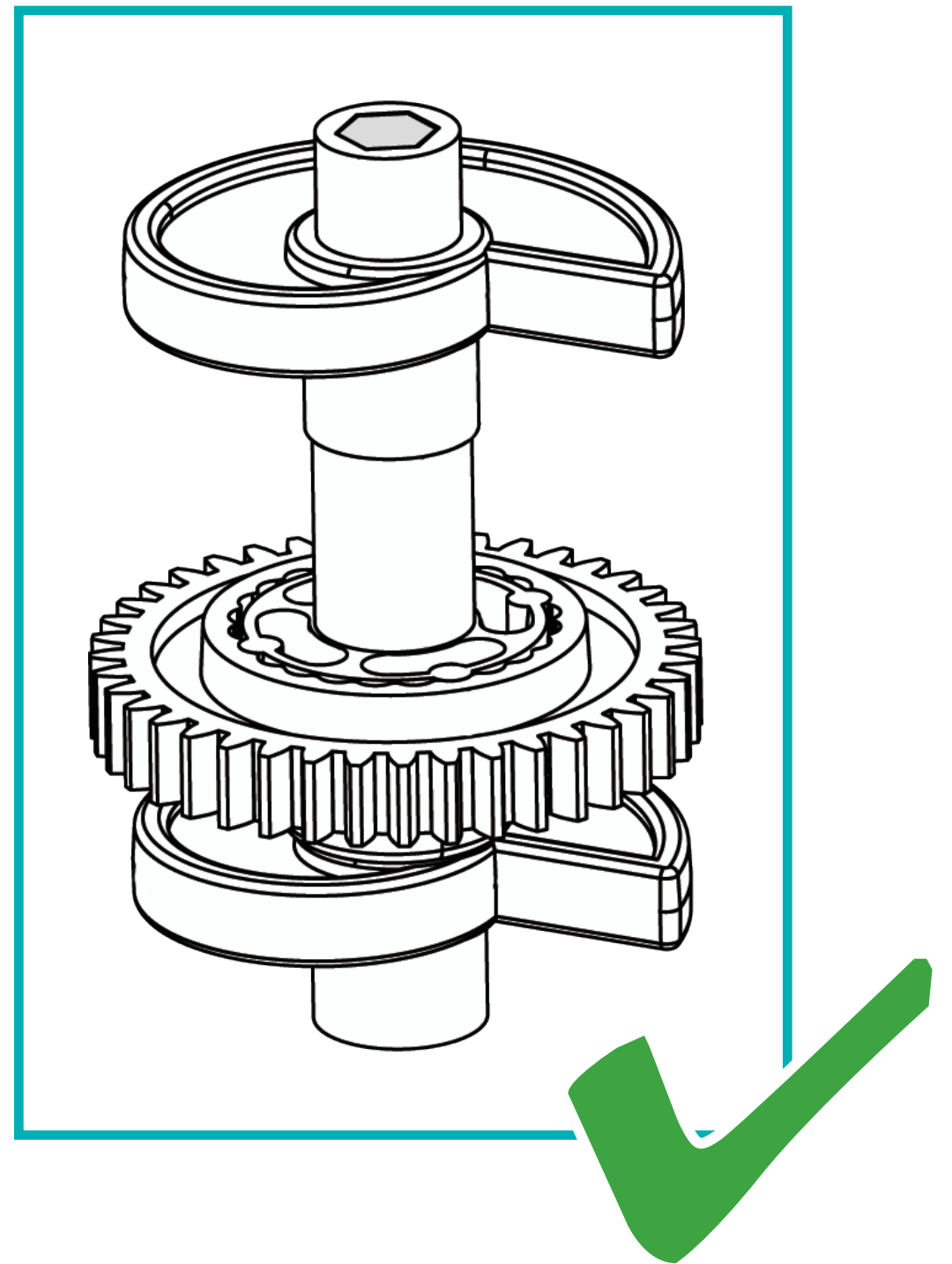
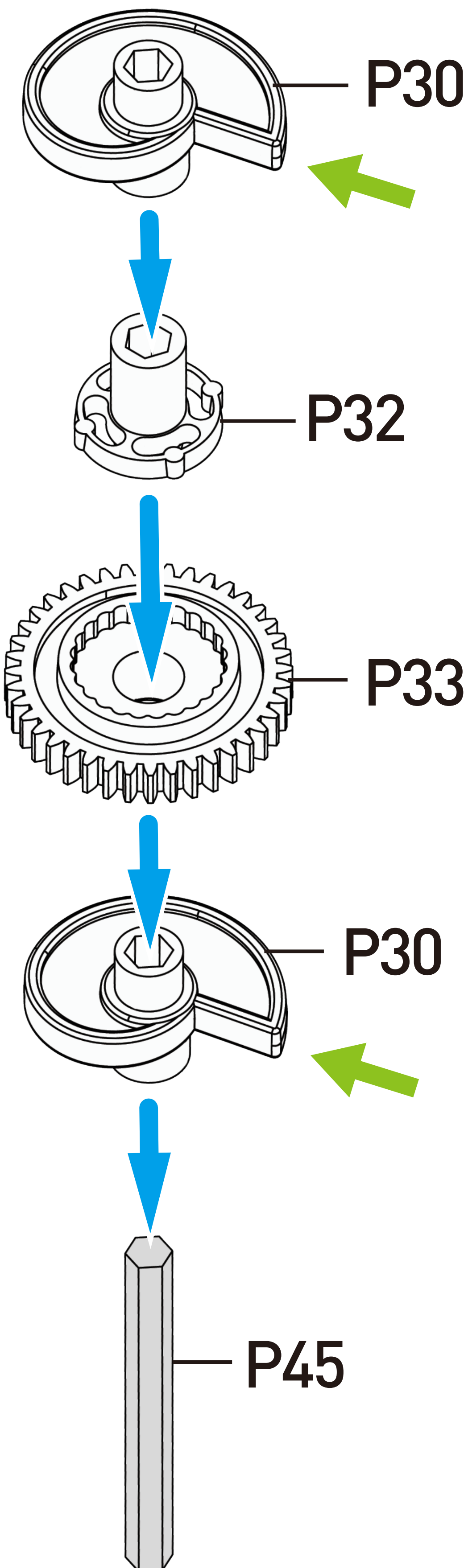
! Make sure to push P12 all the way in.





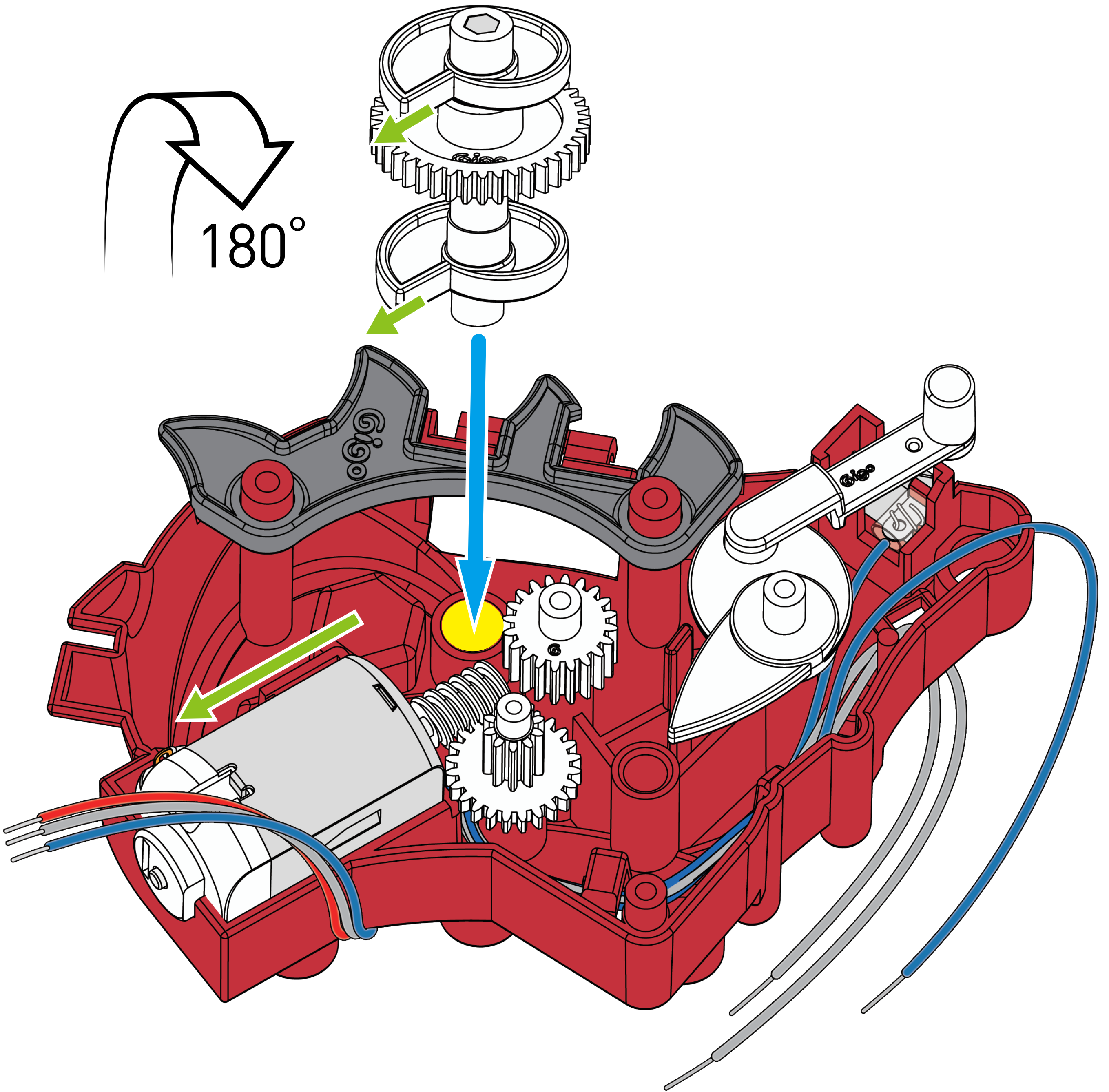
8

The tips of the two cams must point in the same direction.





**9** Flip the cam assembly by 180° and insert it in the hole marked in yellow.



The straight edge of the cams must be parallel to the edge of the motor.



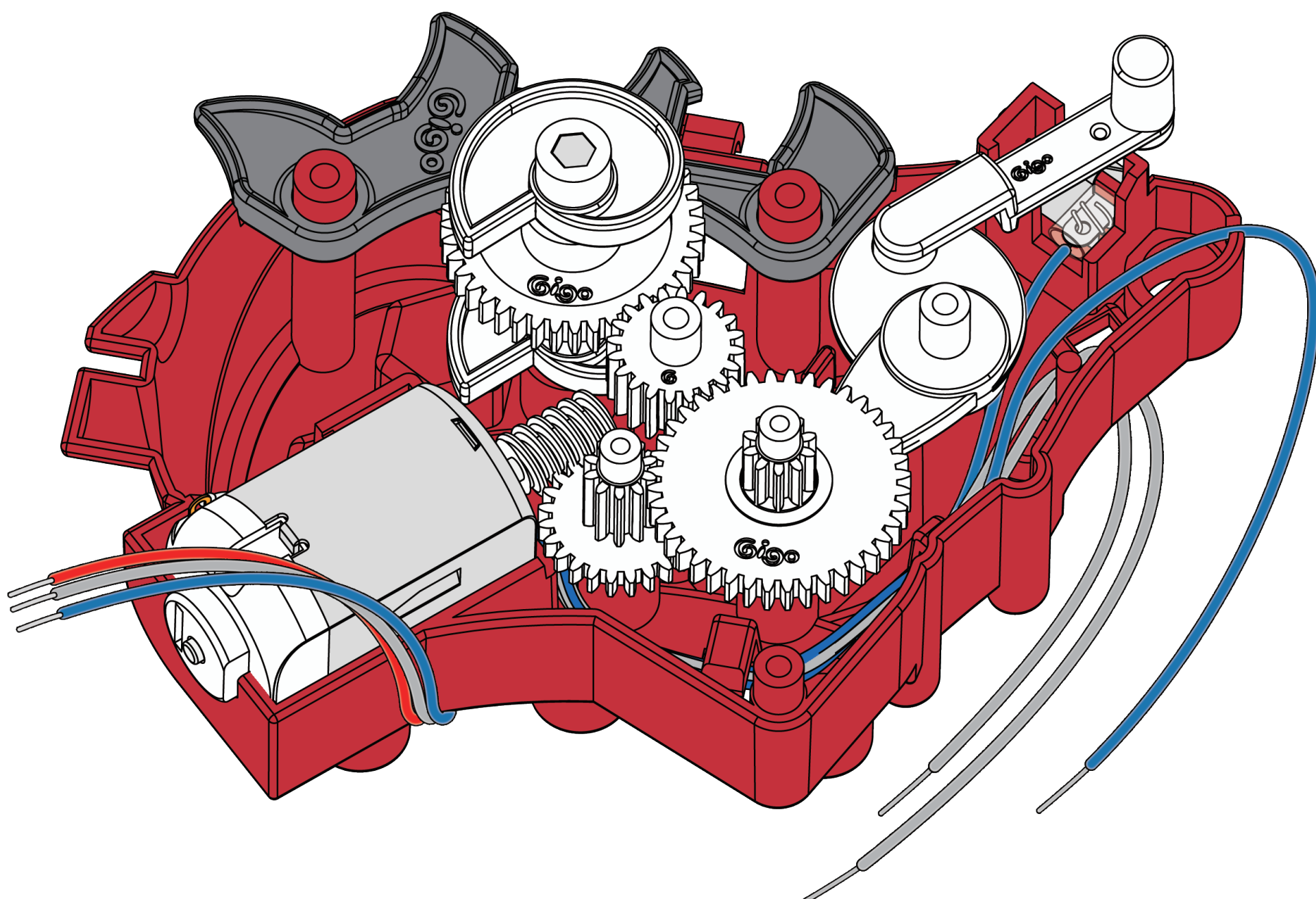
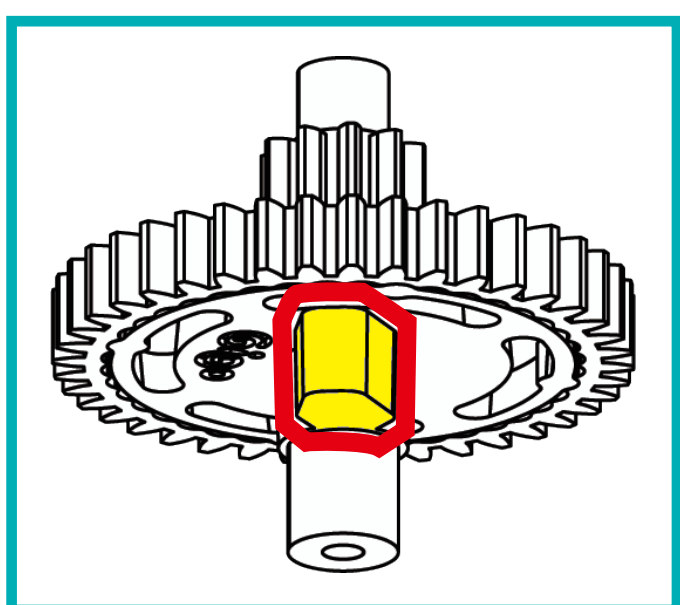
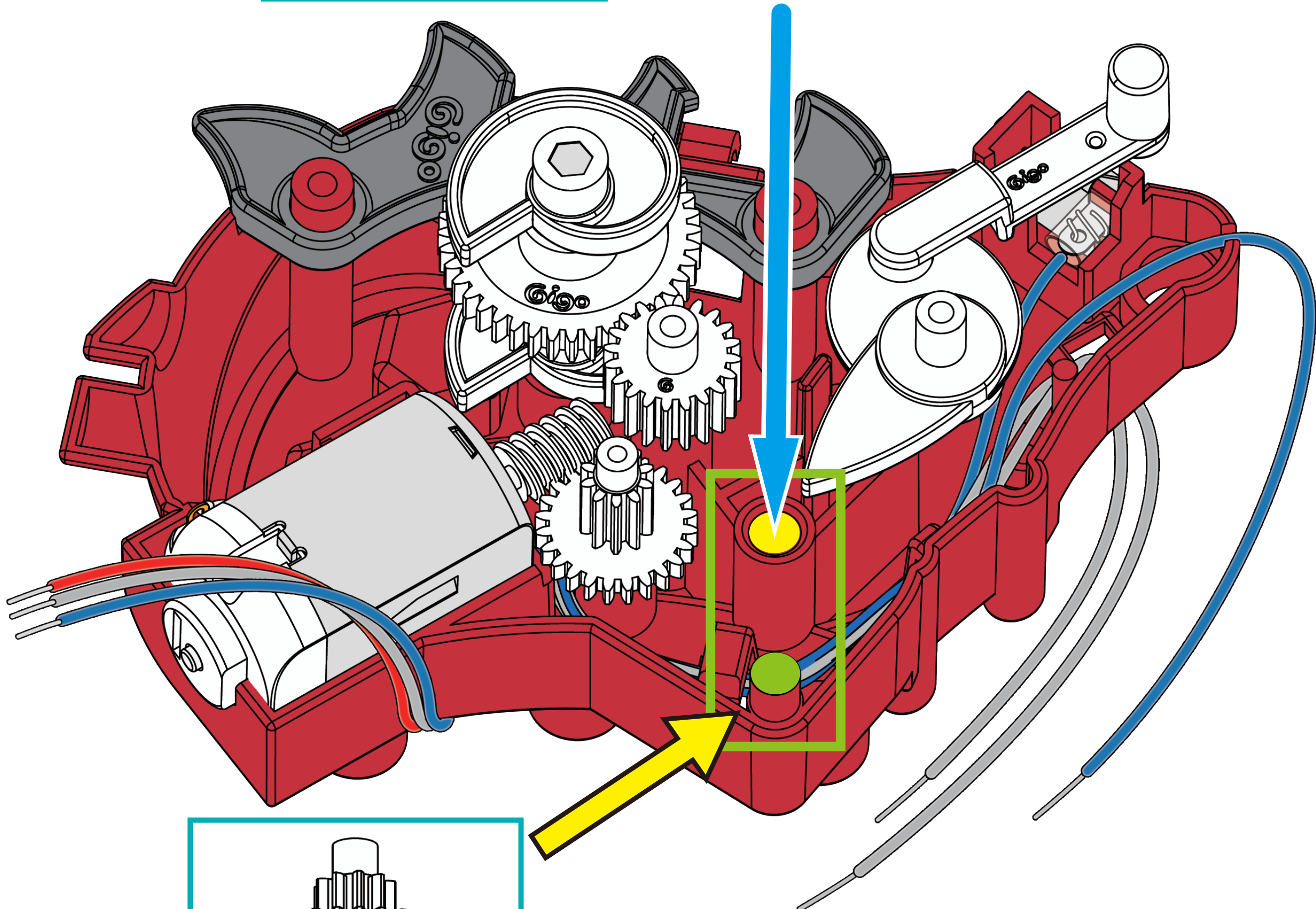
10

P36

P35



The tab on the bottom of P35 must point to the hole marked in green.

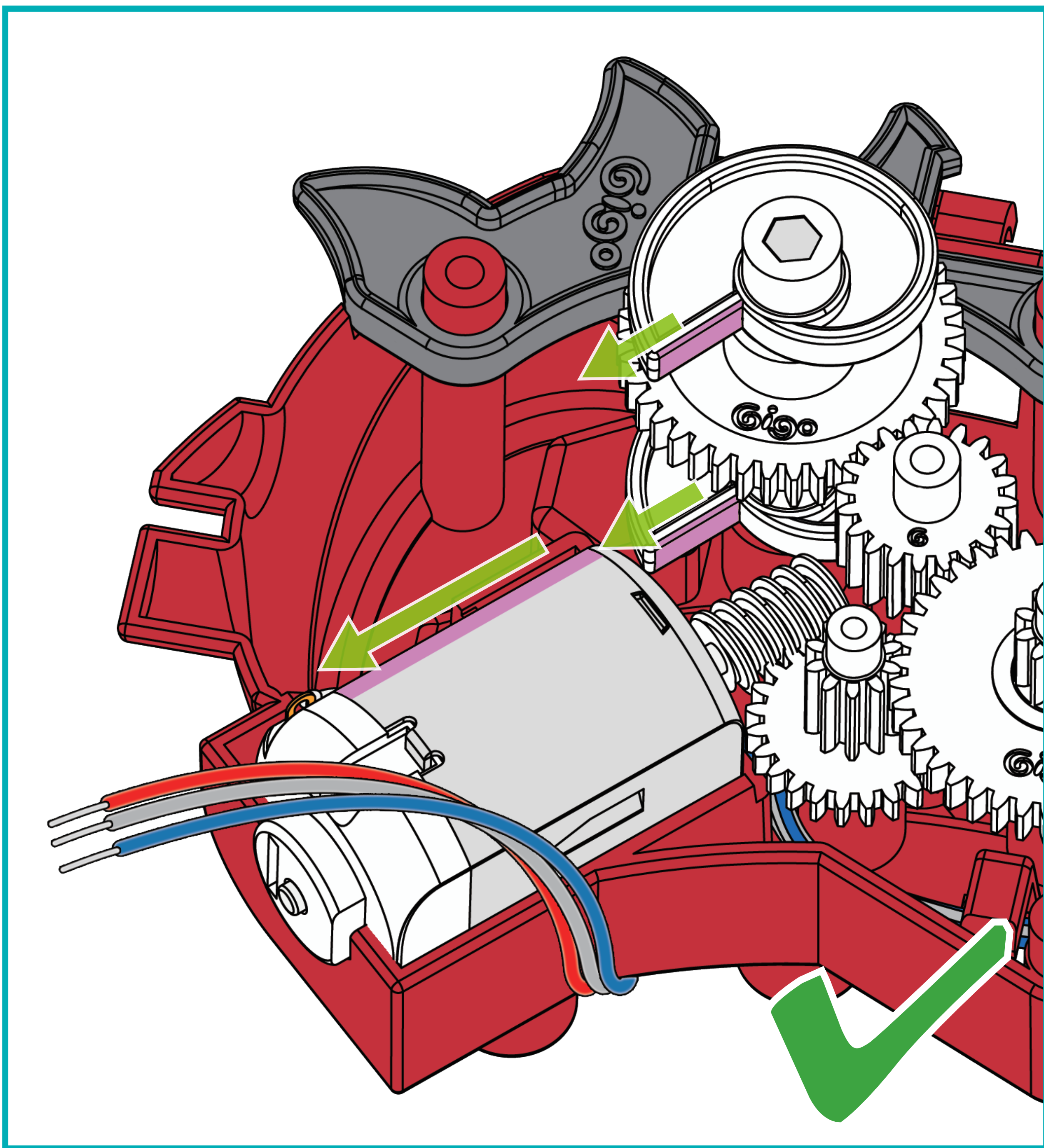




11

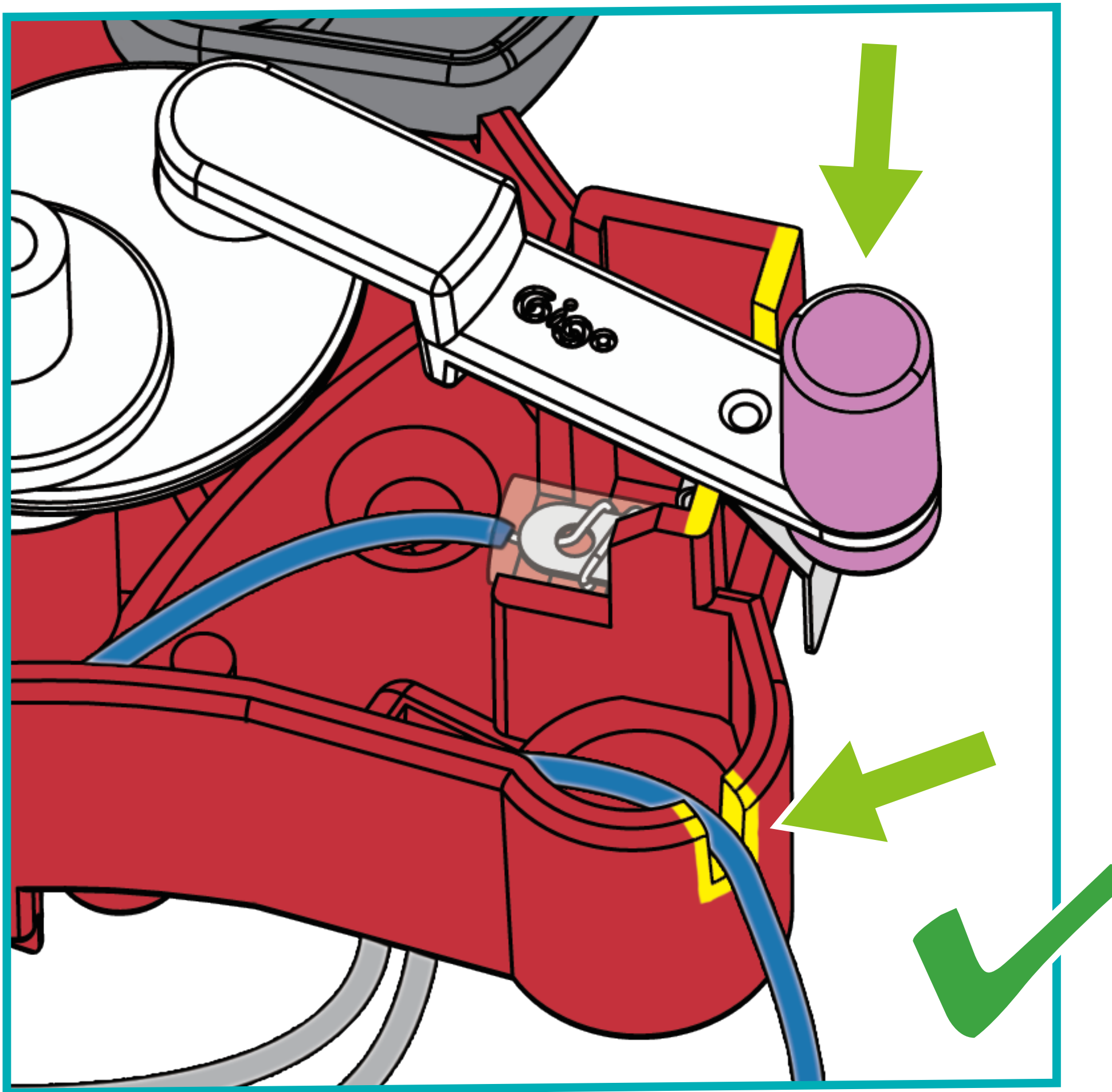
1. Before you continue building, double check the following three points:

1 The straight edges of the cams are parallel to the edge of the motor.

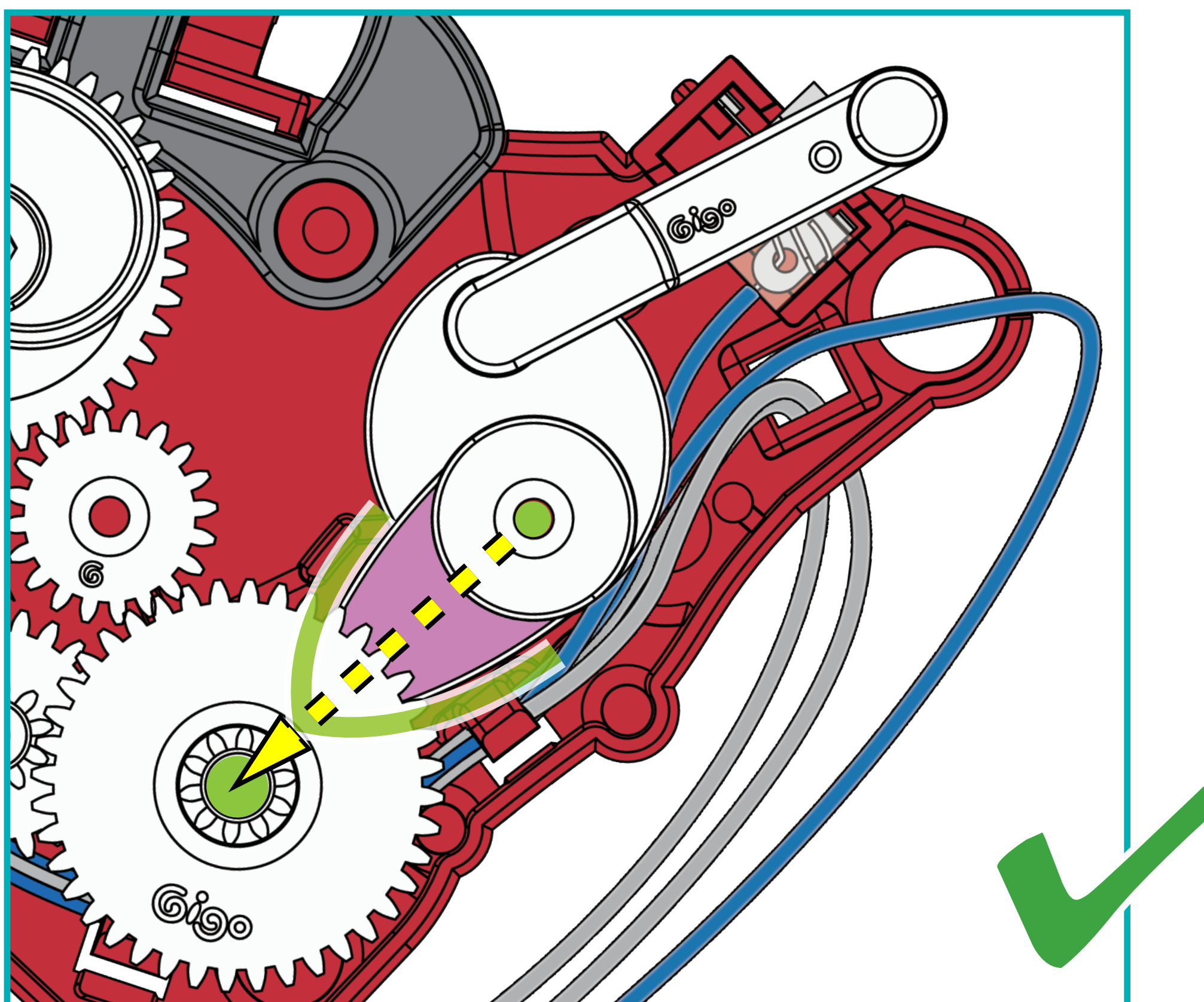




- 2** The tension rod is in the correct place and the blue cable is in the notch.



- 3** The tip of P37 points to the center of P35/P36.



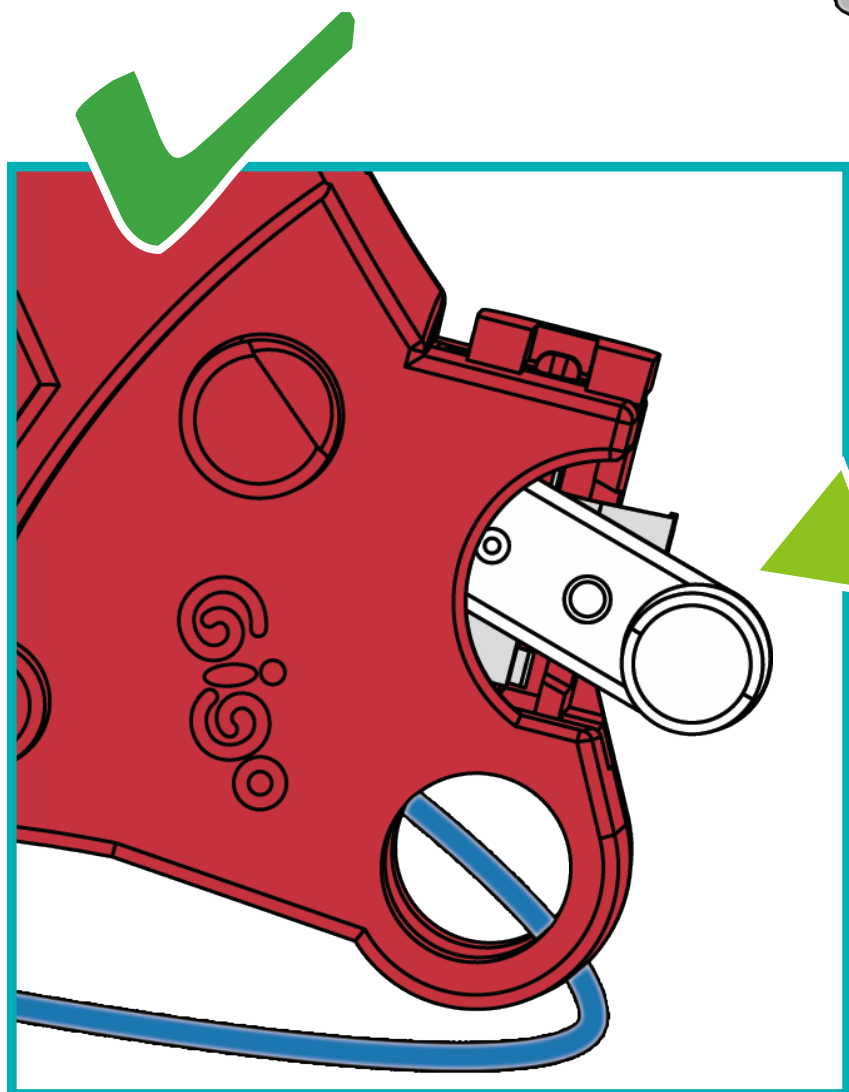


11

2.

R  
P20

click!



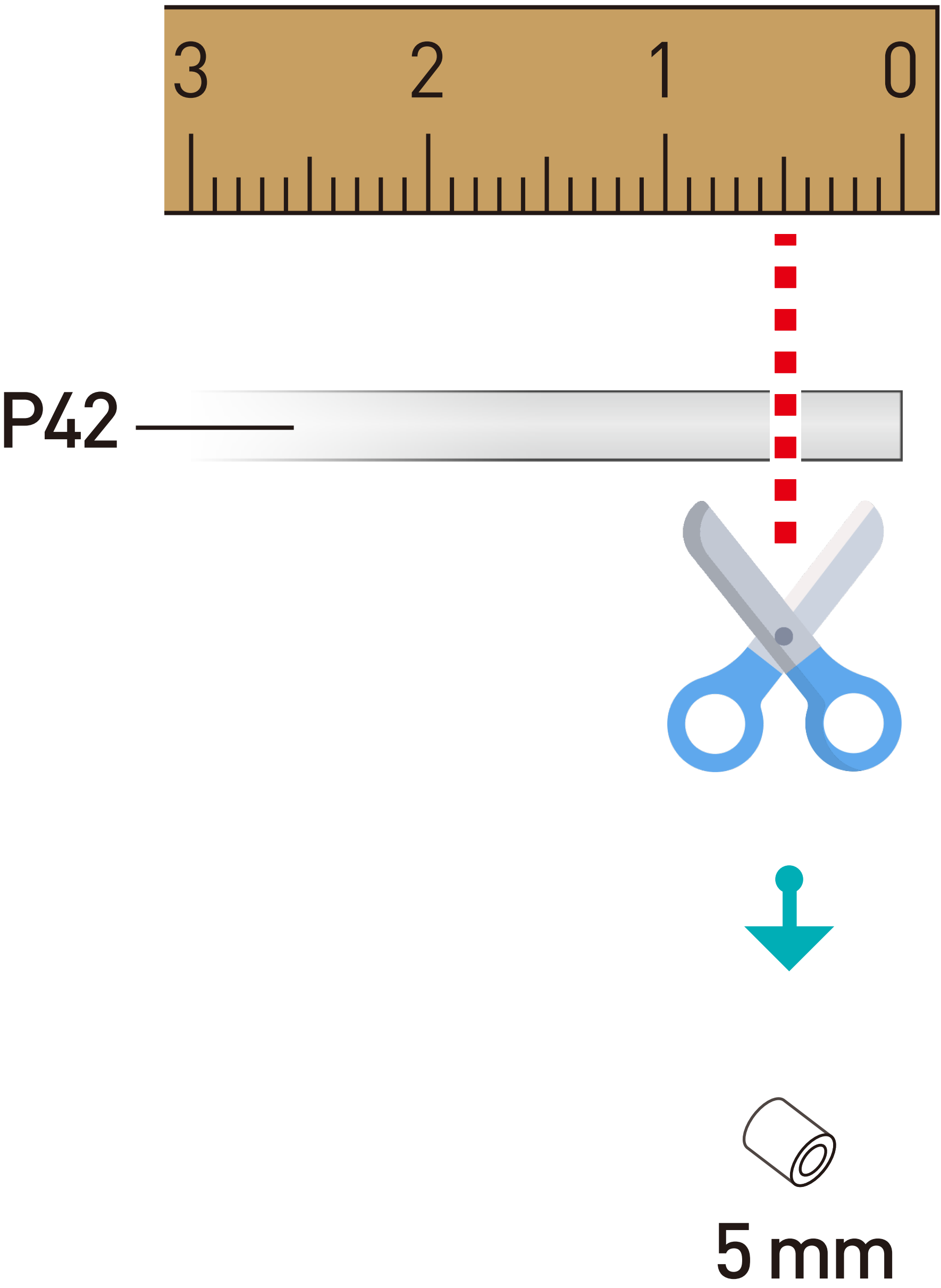
After closing the body, the tension rod must look like this. The tension rod will be loose after this step.



12

1. Cut a 5mm piece of the contact protector.

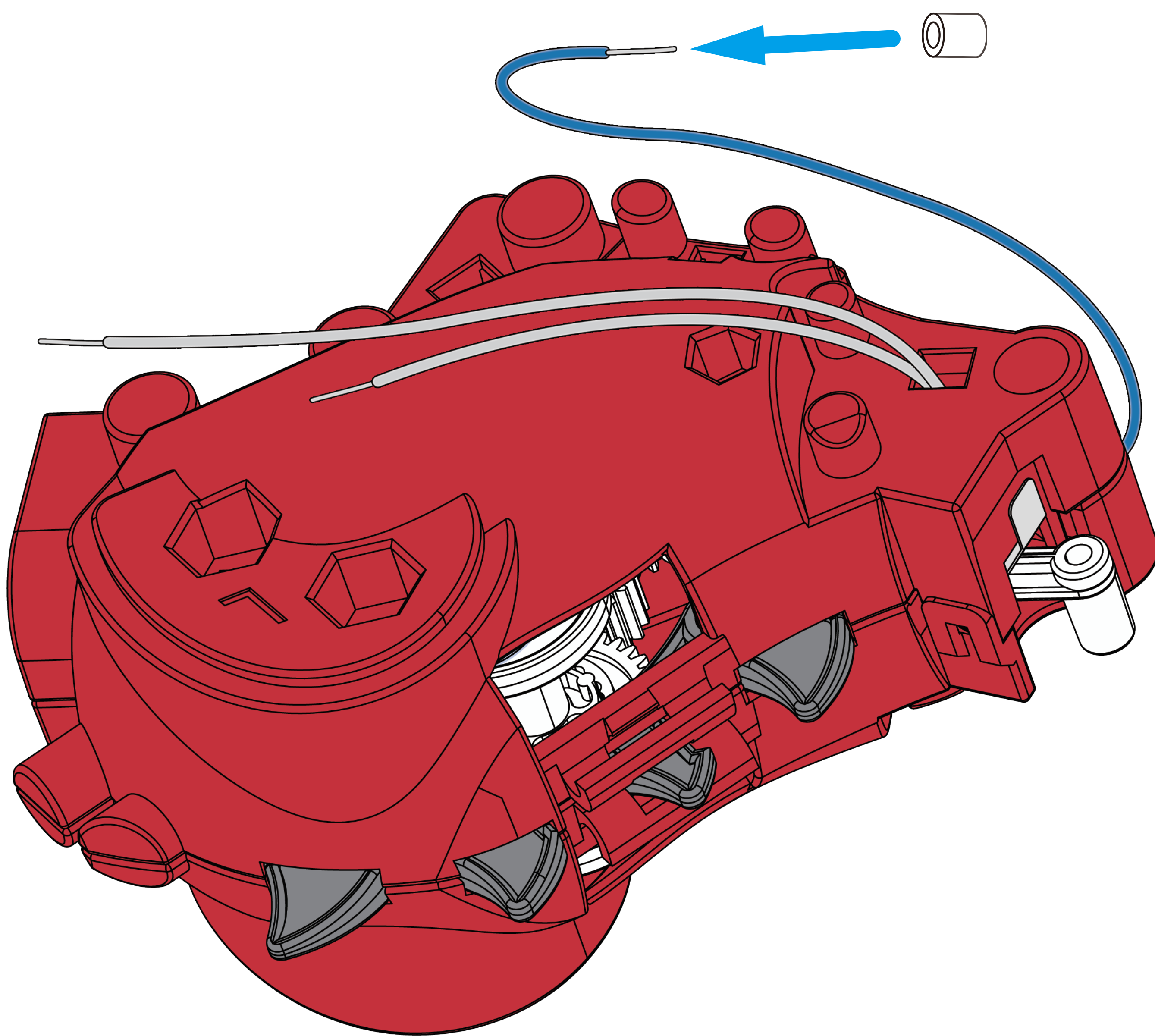
(Unit: CM)





**12**

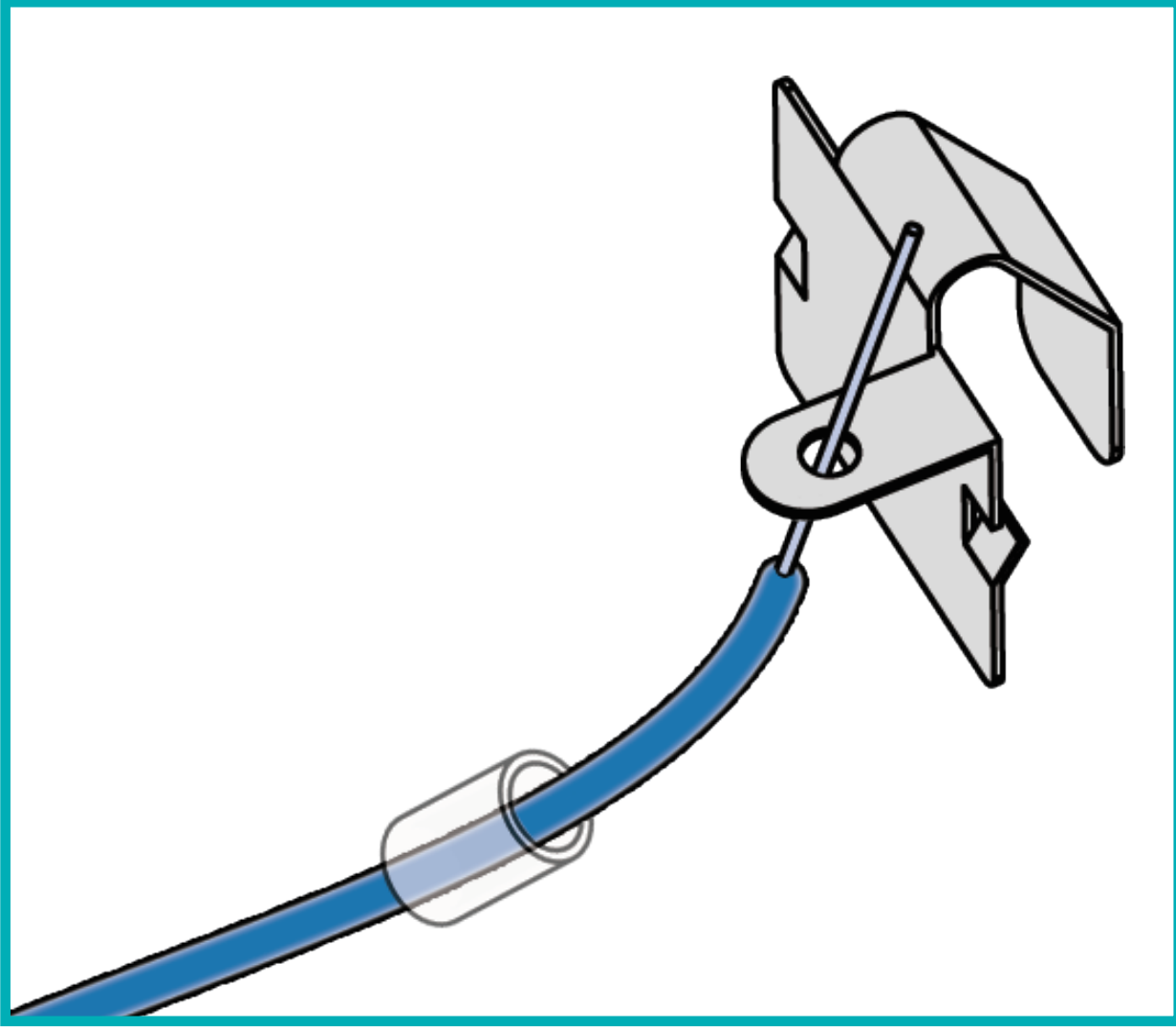
1. Slide the contact protector  
onto the blue cable.



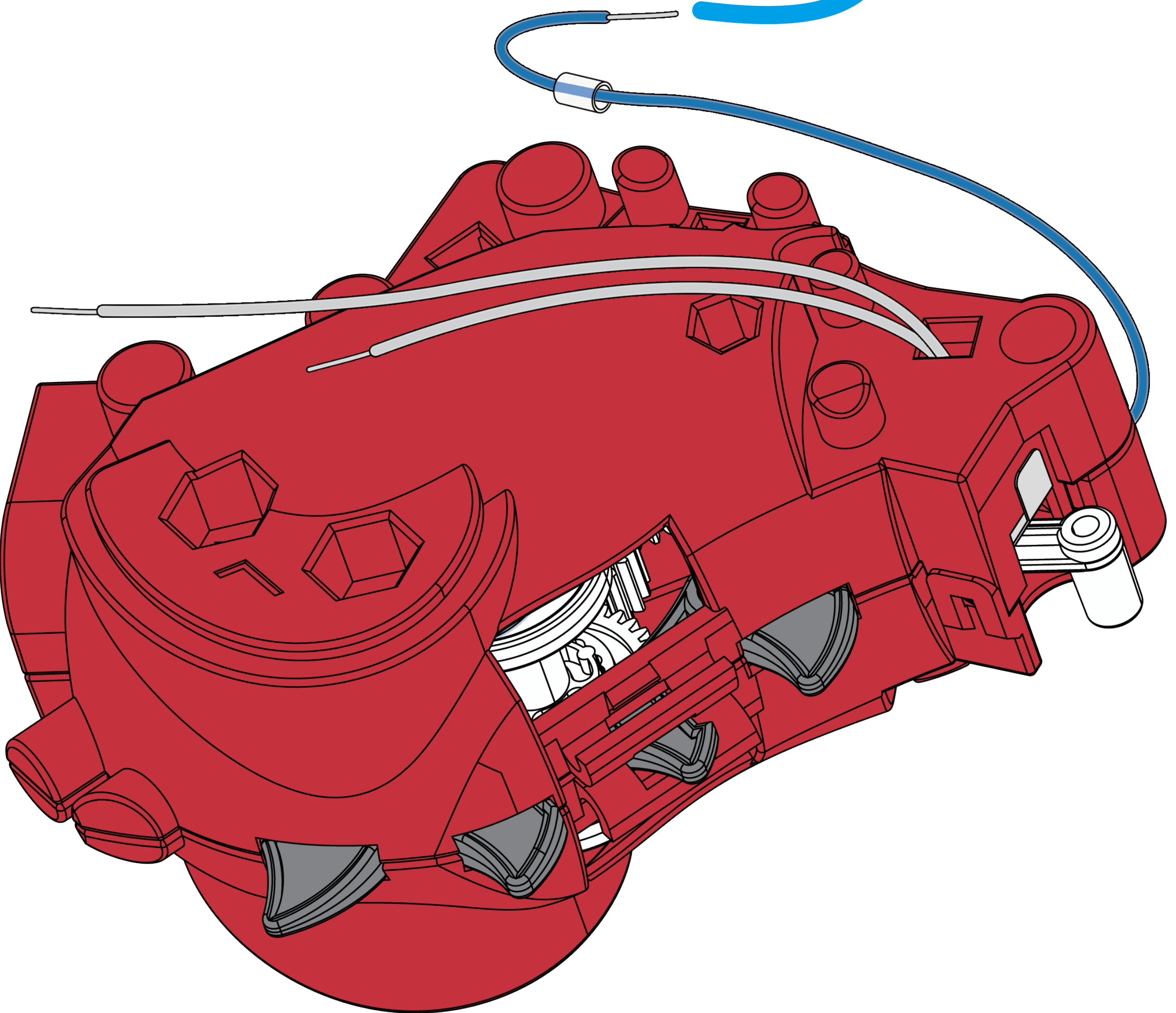
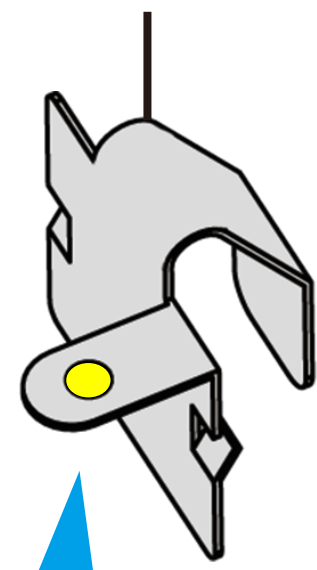
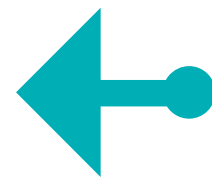


12

2. Pass the metal end of the cable through the hole in the

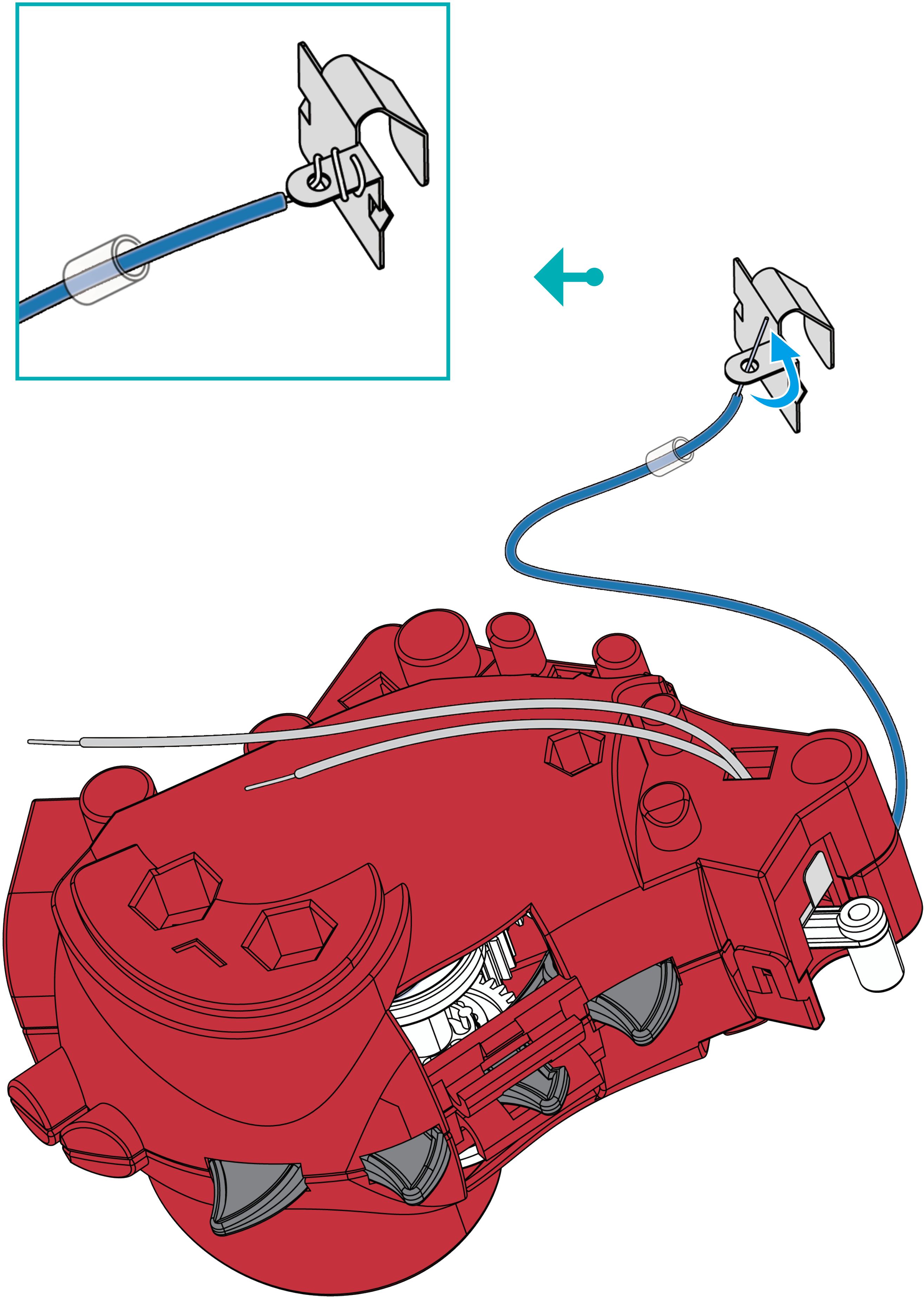


P50



12

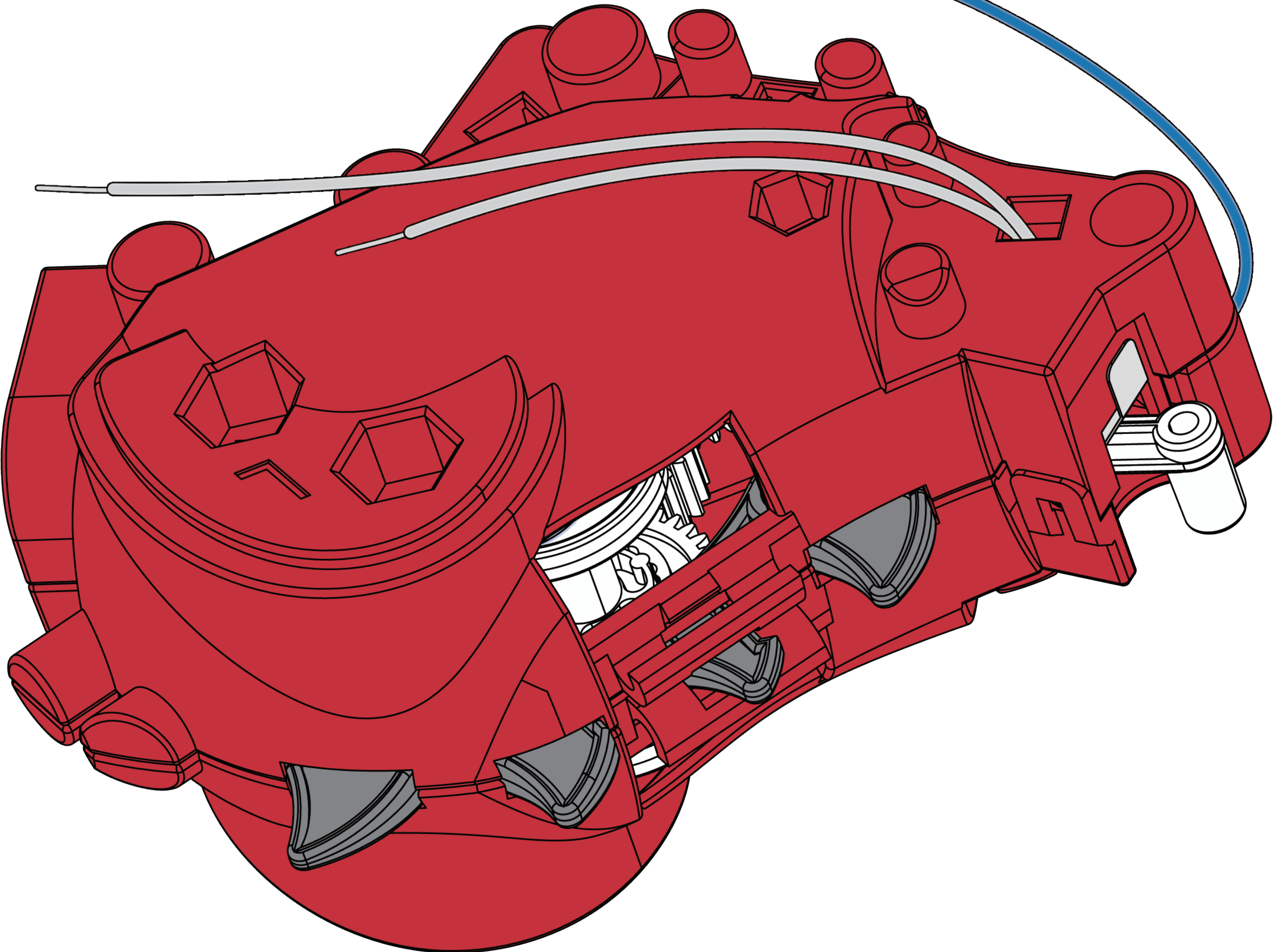
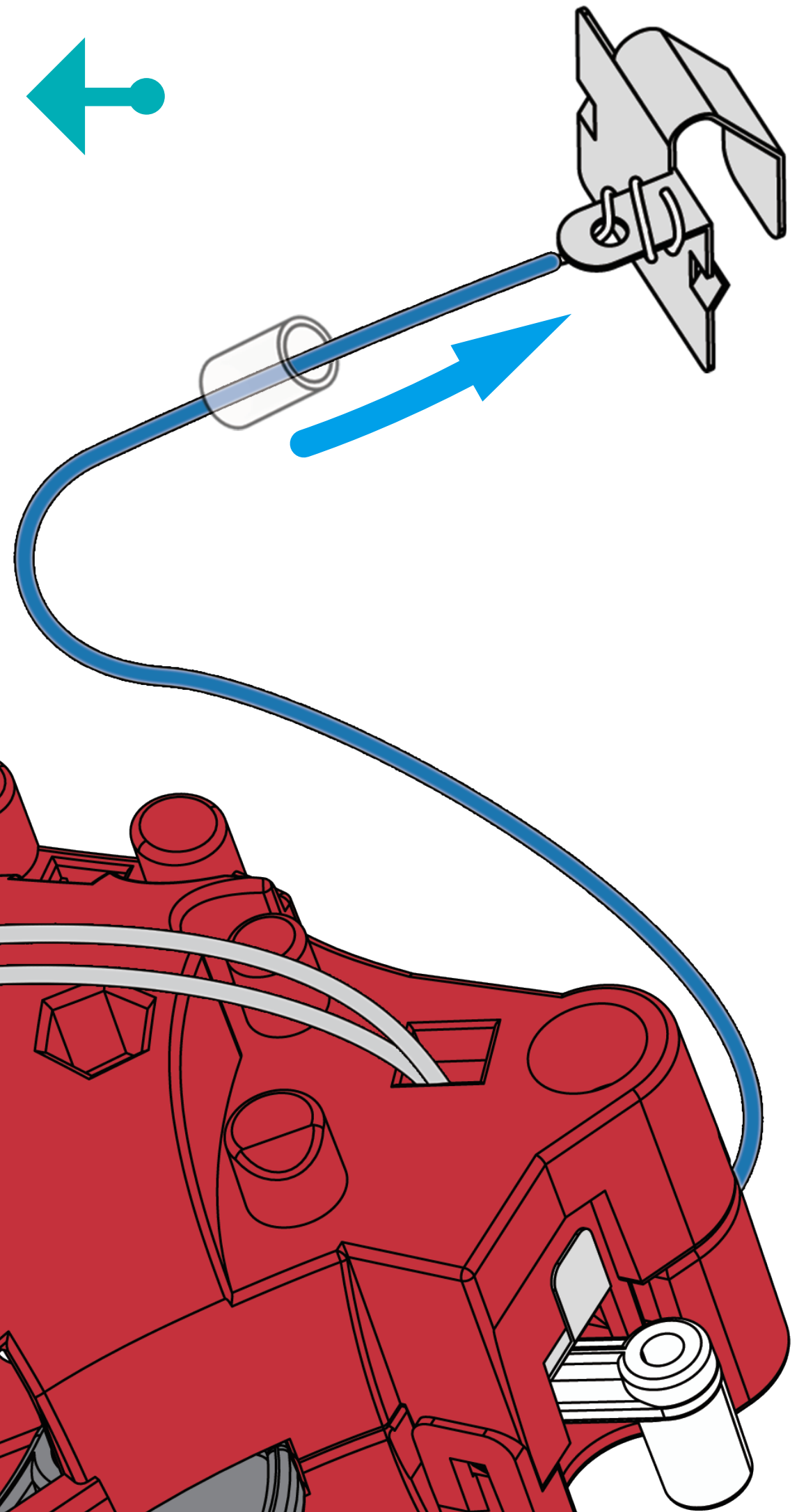
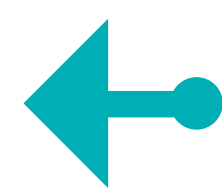
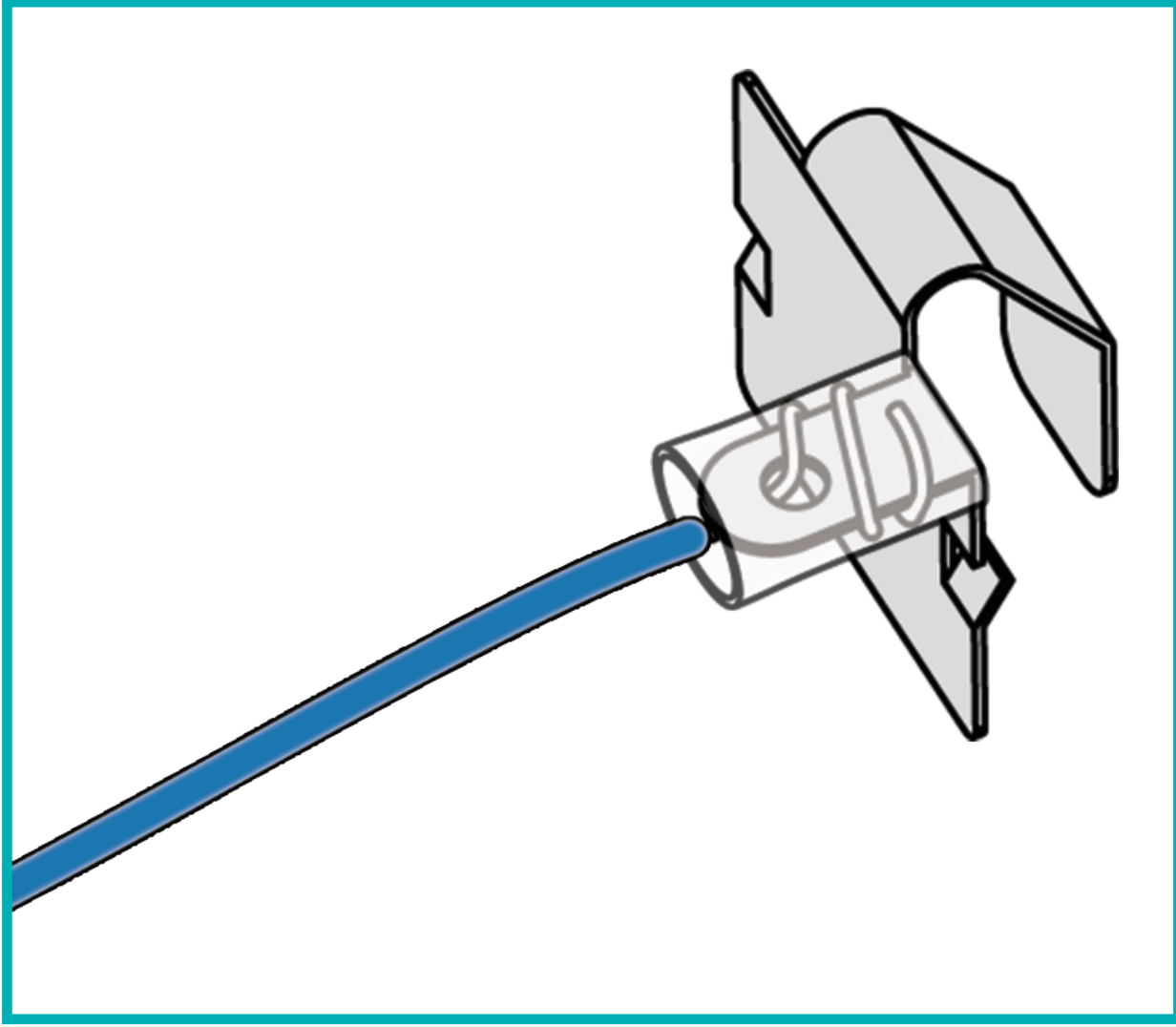
2. Wrap the cable around the metal contact.





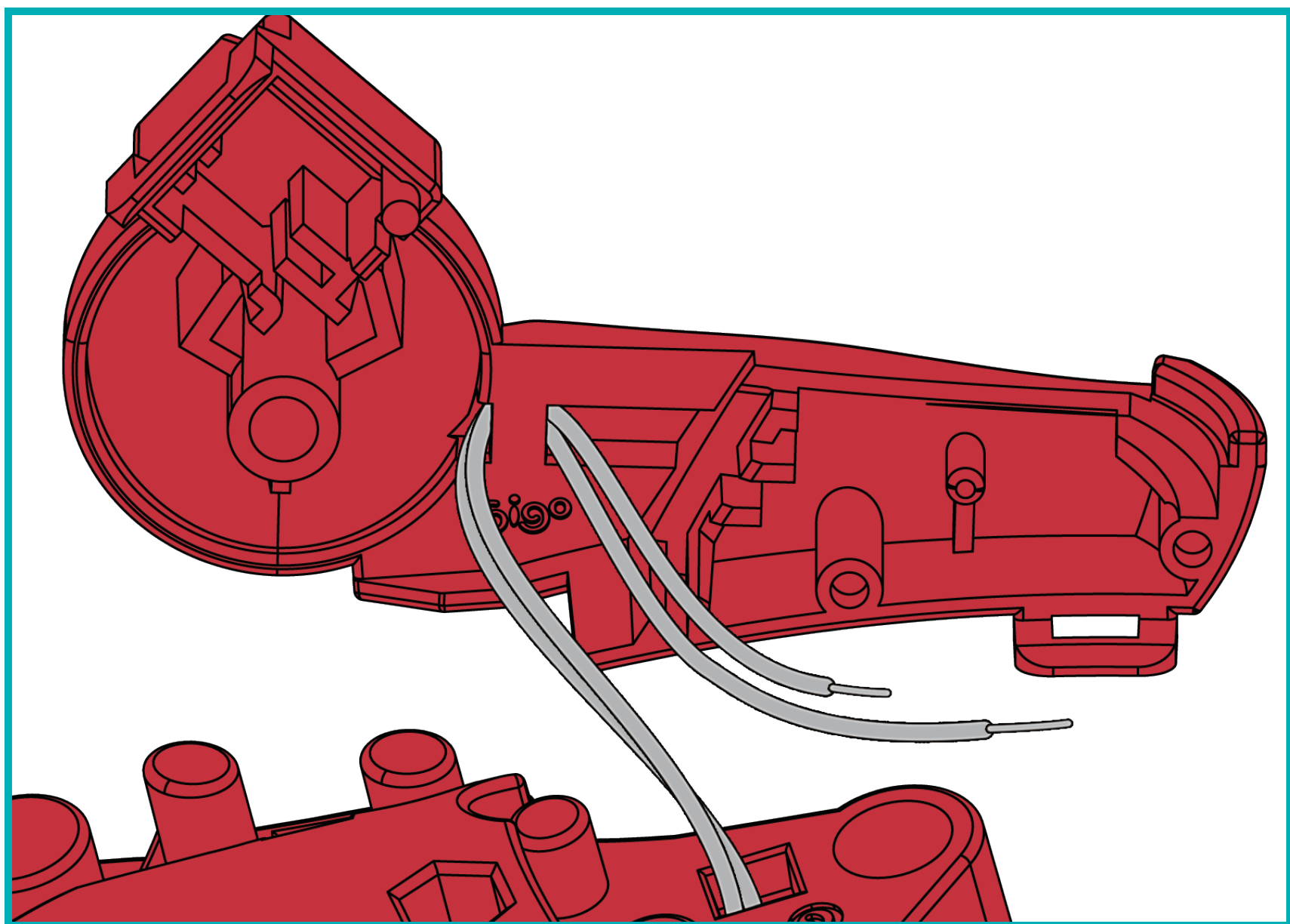
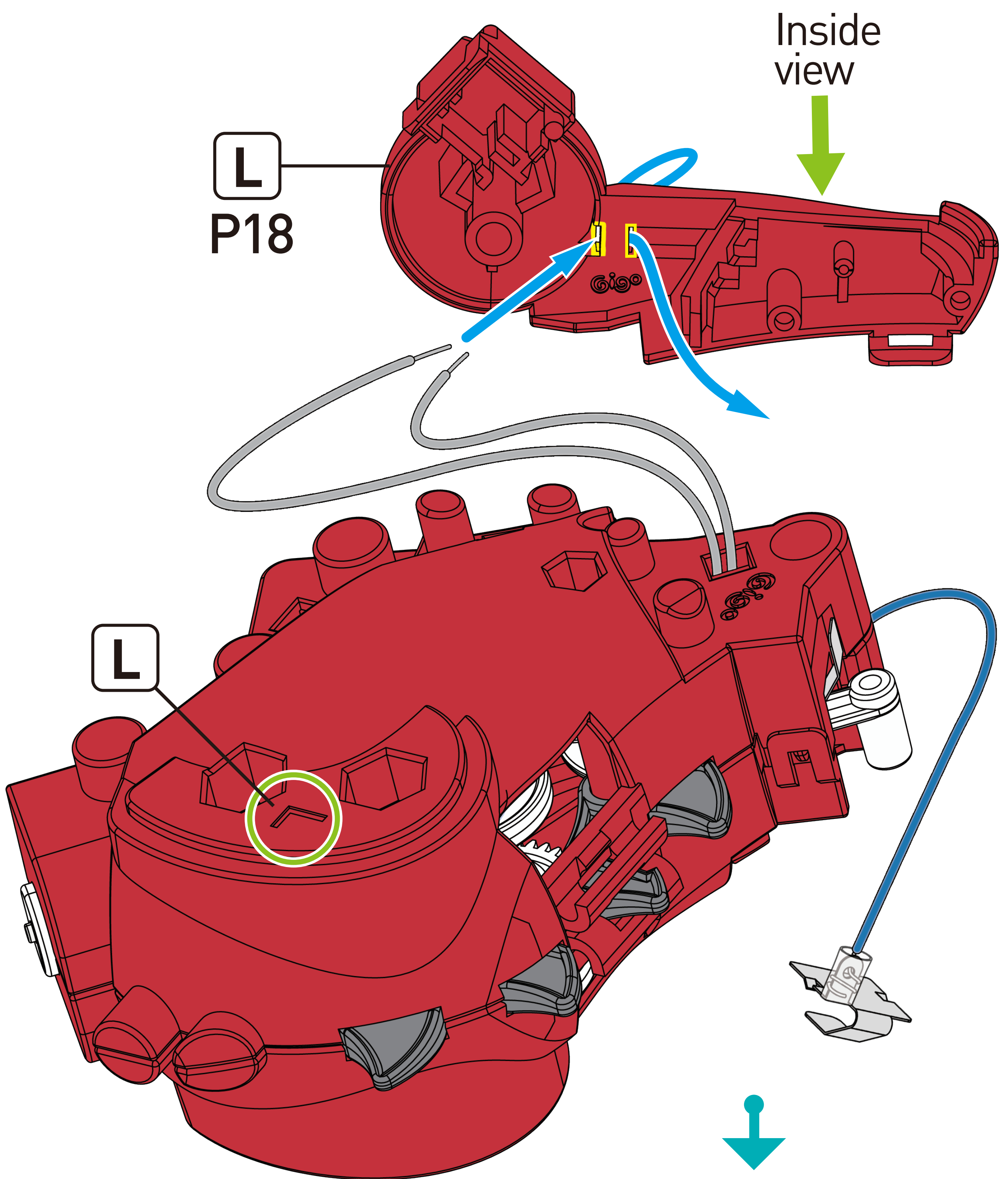
12

2. Slide the contact protector  
on to the metal contact.





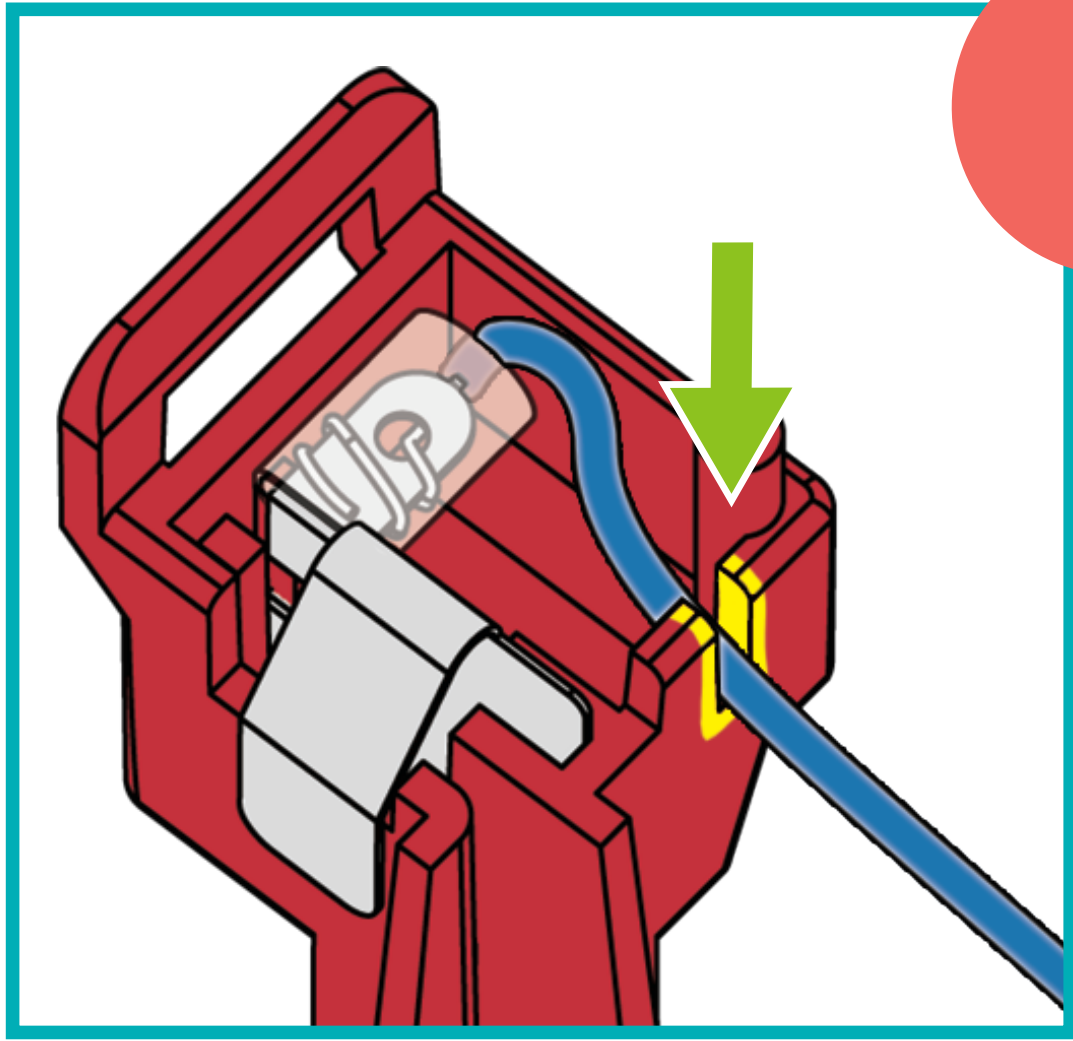
- 13** 1. Thread the two gray cables through the holes in P18.



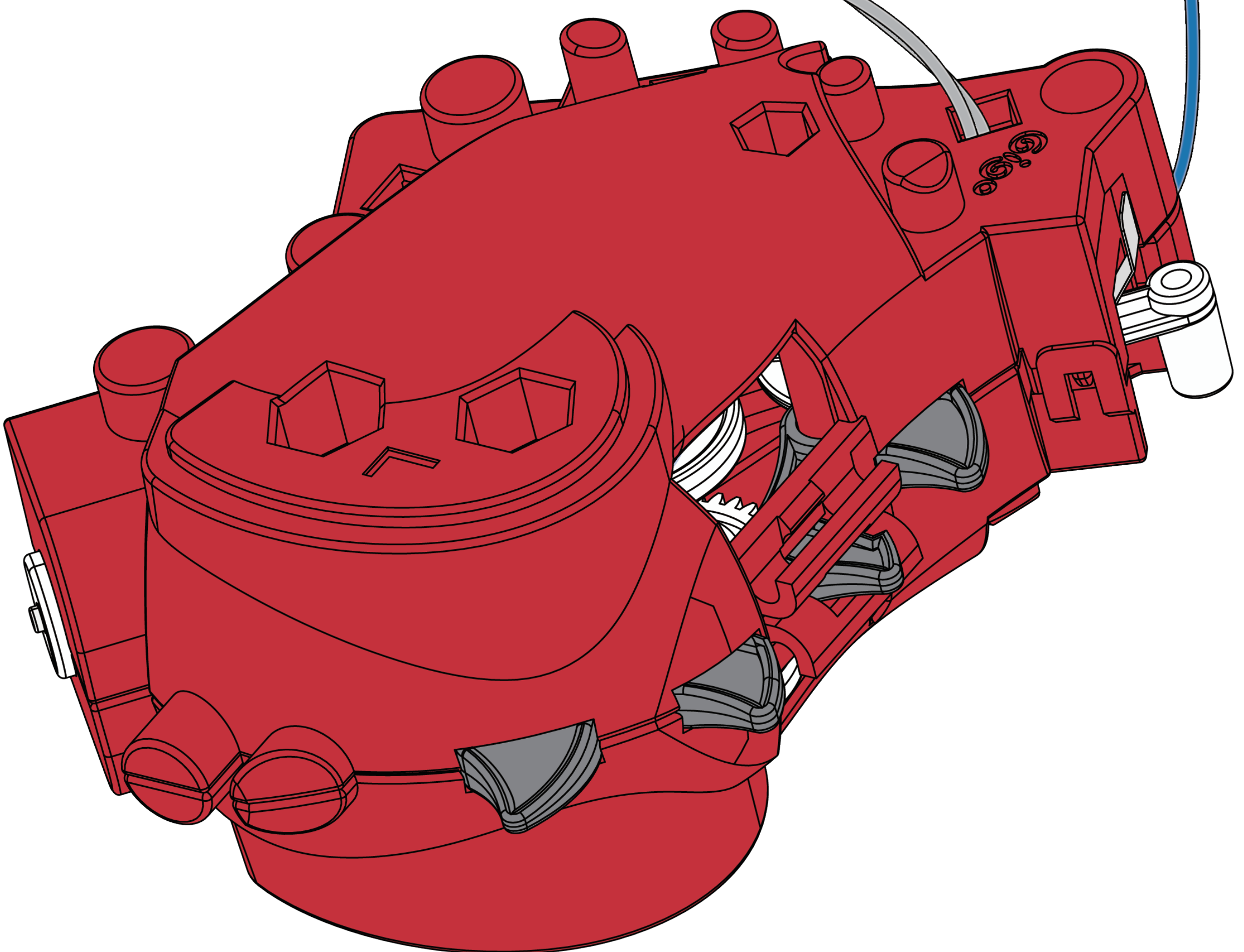
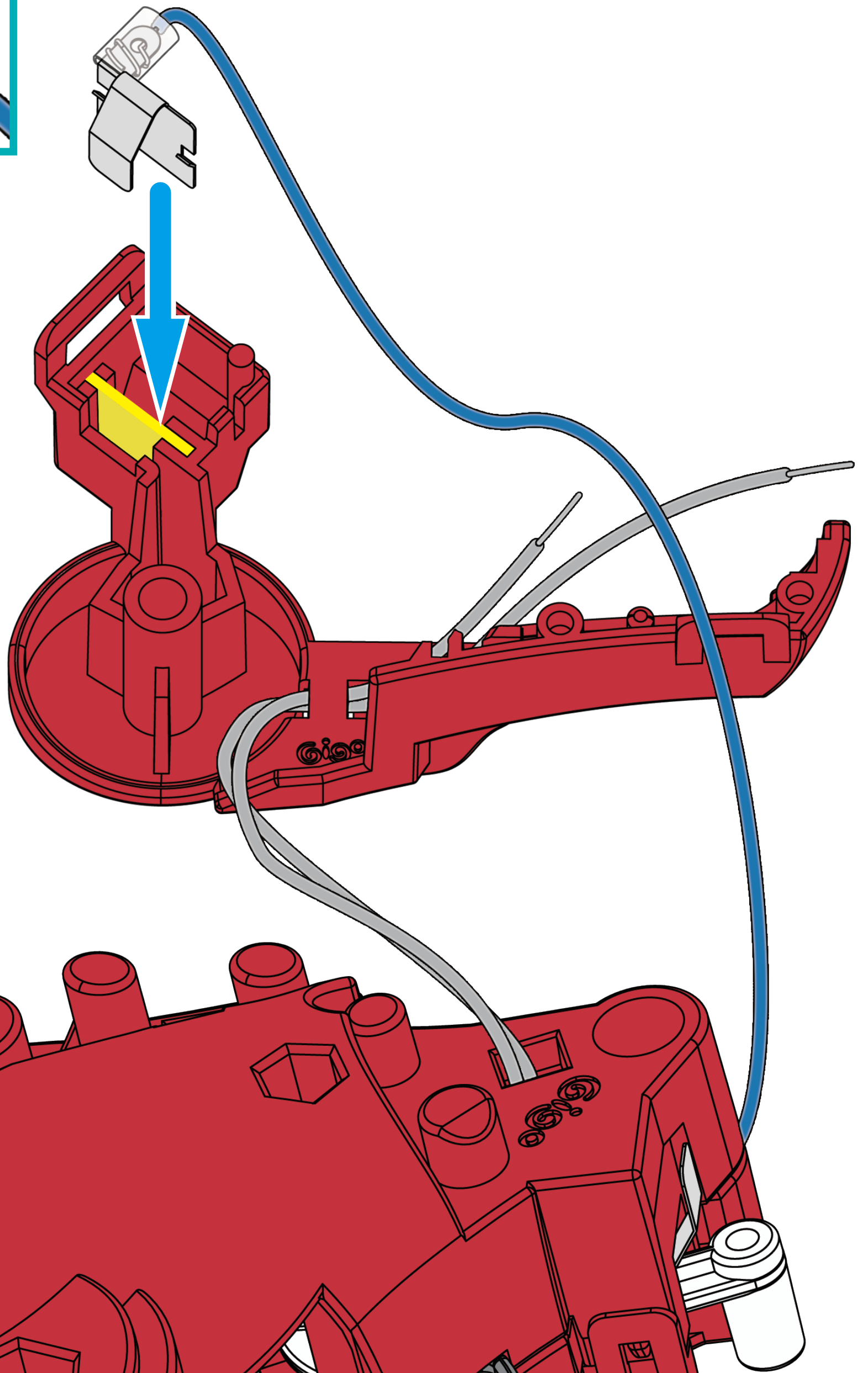


13

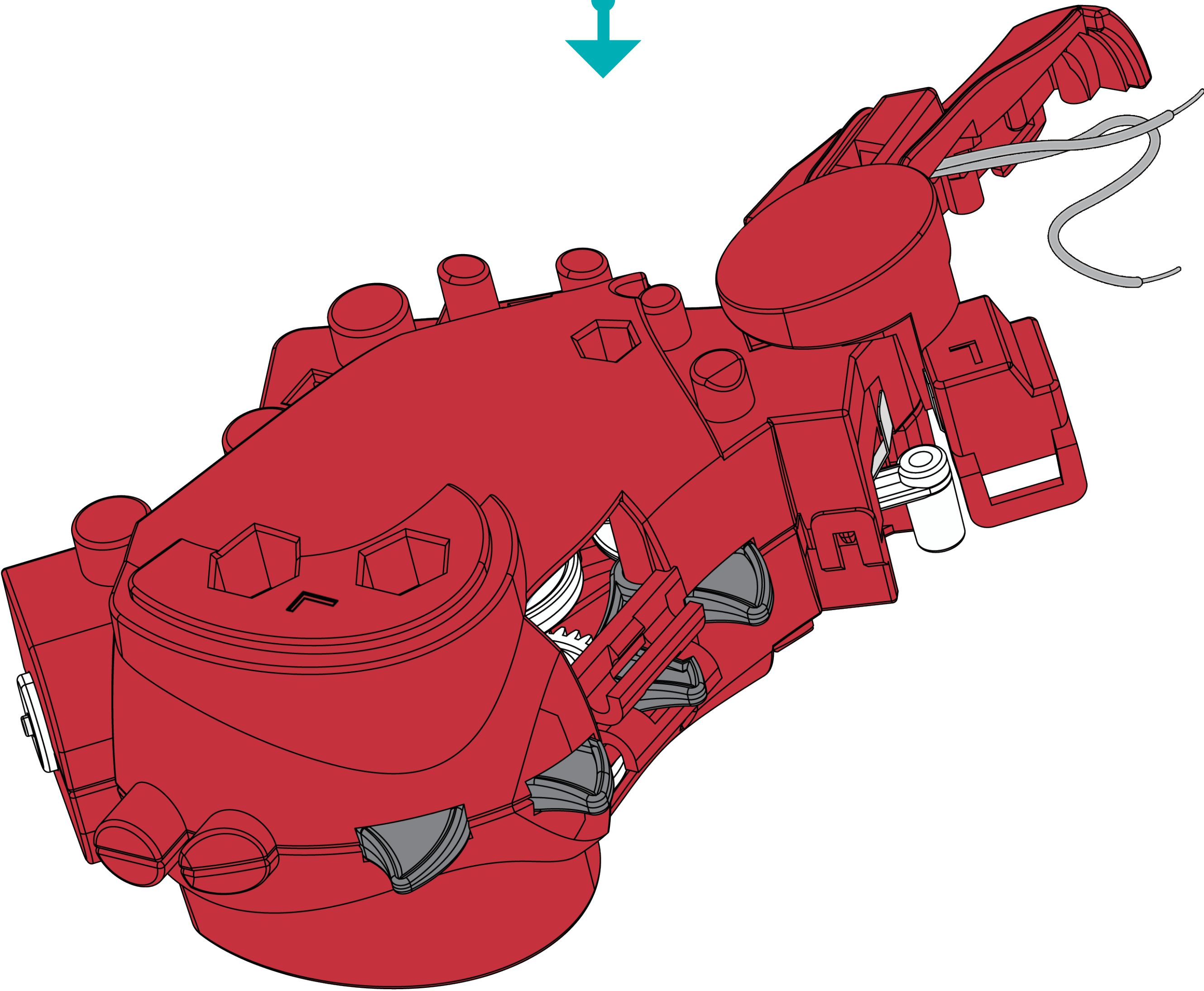
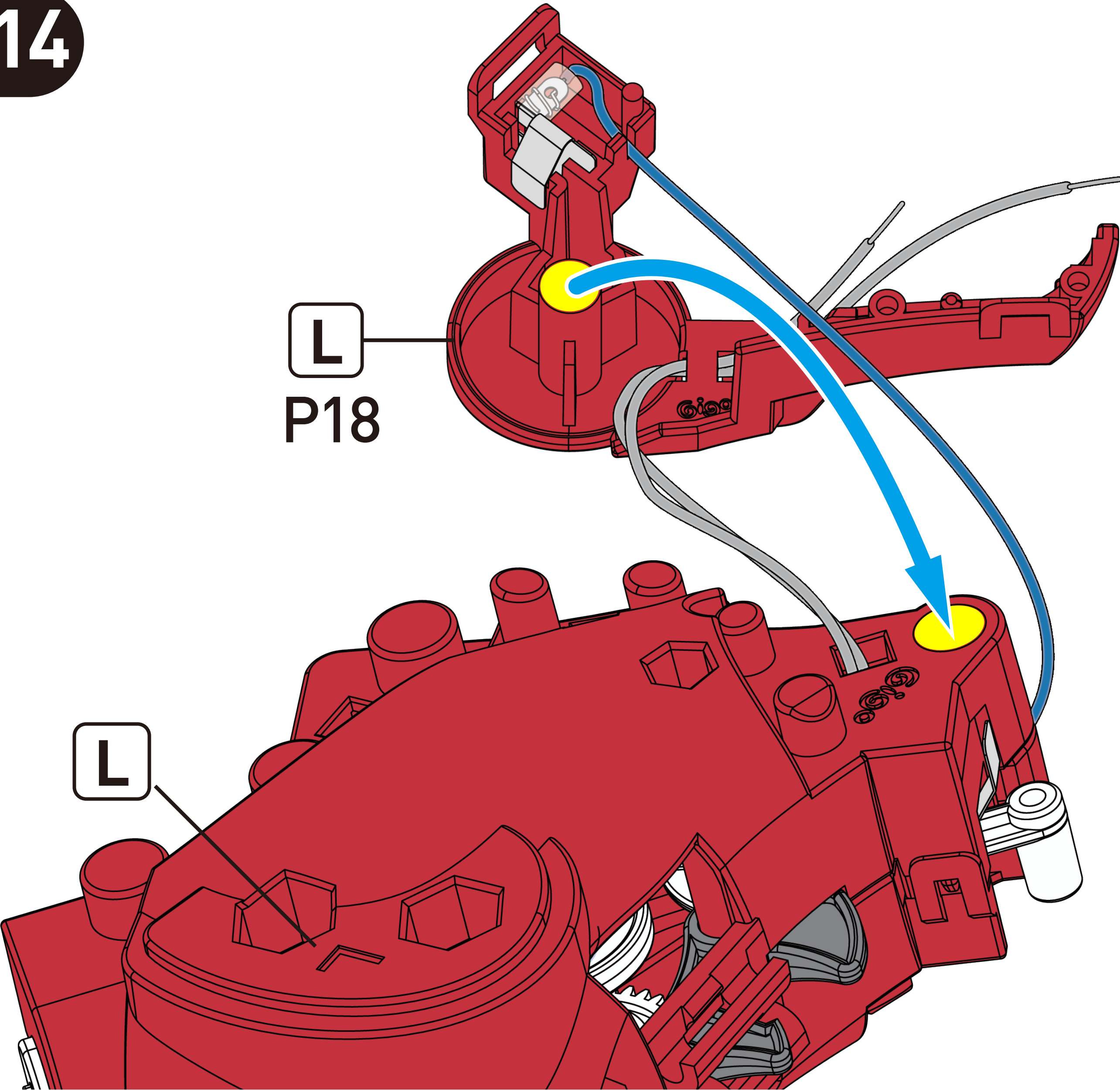
2. Insert the metal contact into the groove marked in yellow.



Make sure the blue cable passes through the groove.







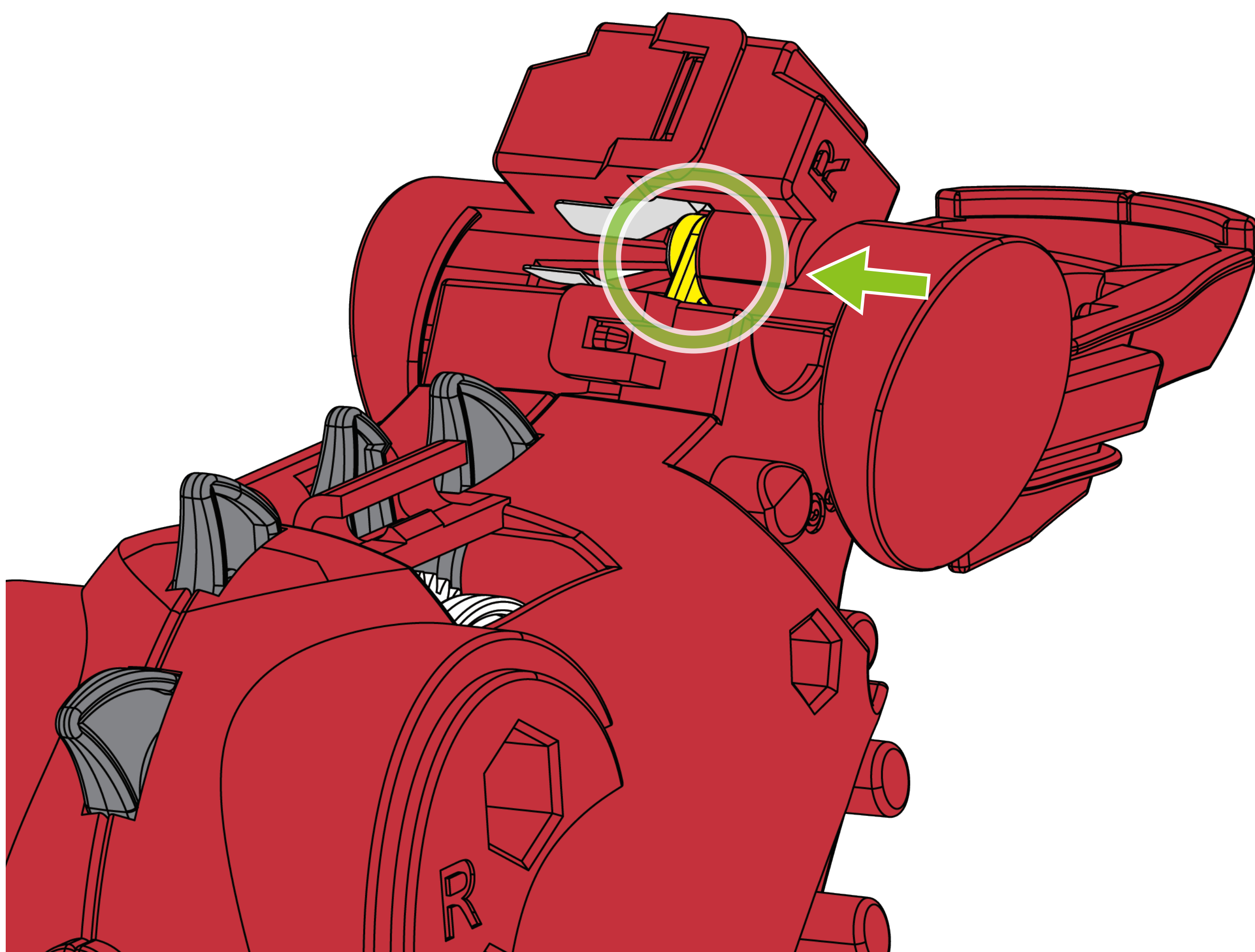
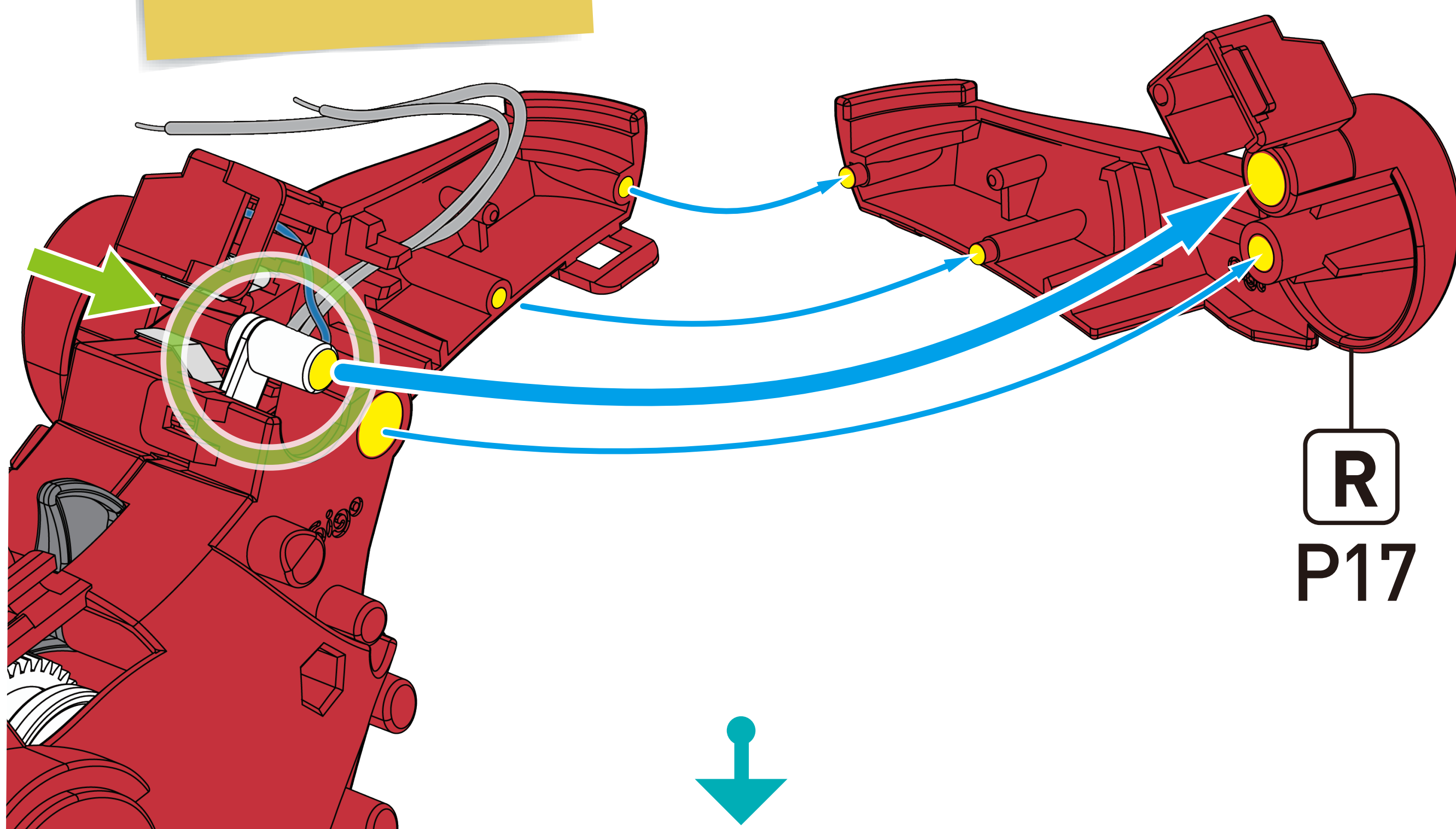


15

Insert the white tension rod  
as shown.



Do not pinch  
the cables.

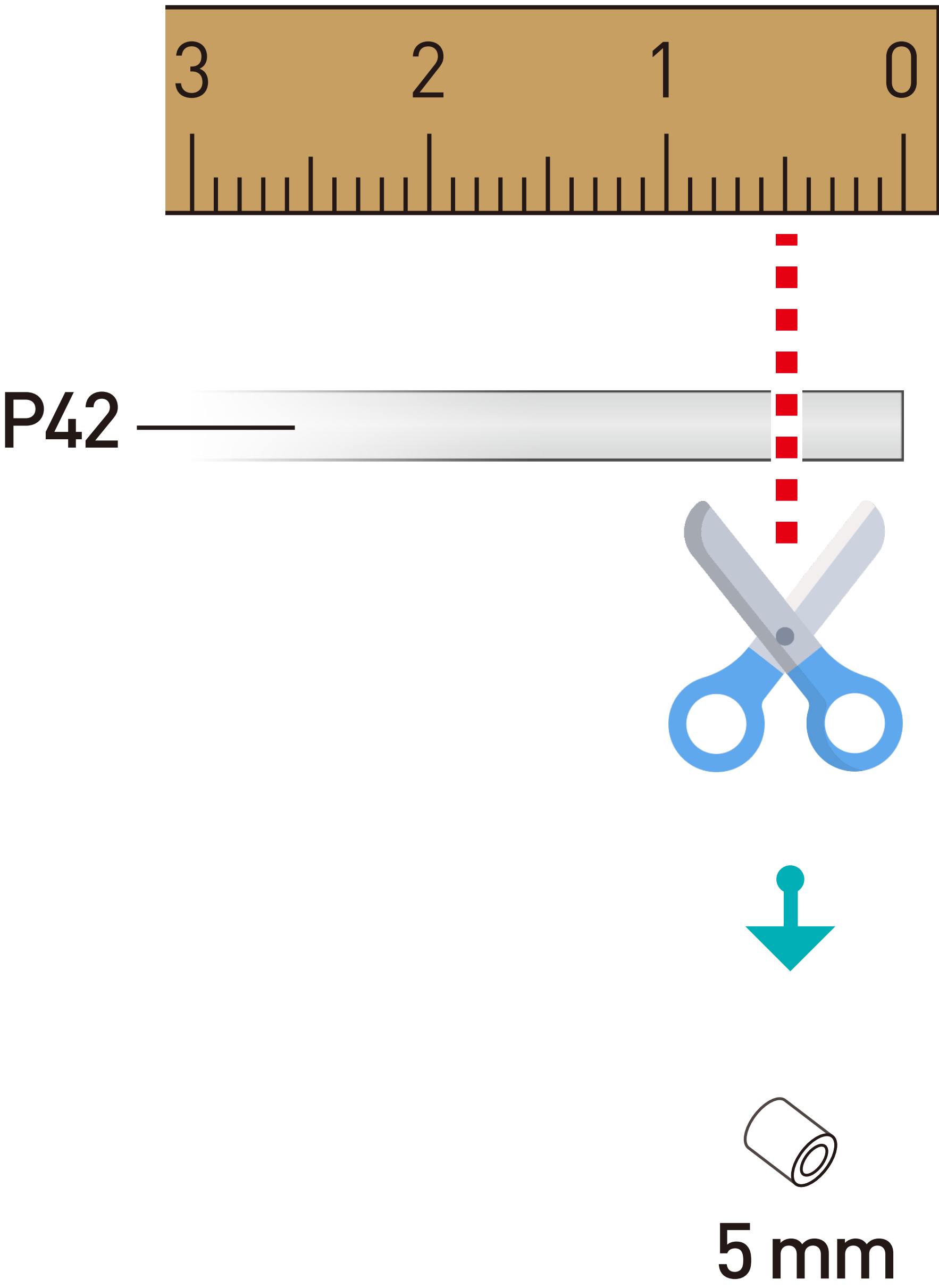




16

1.R Cut a 5mm piece of the contact protector.

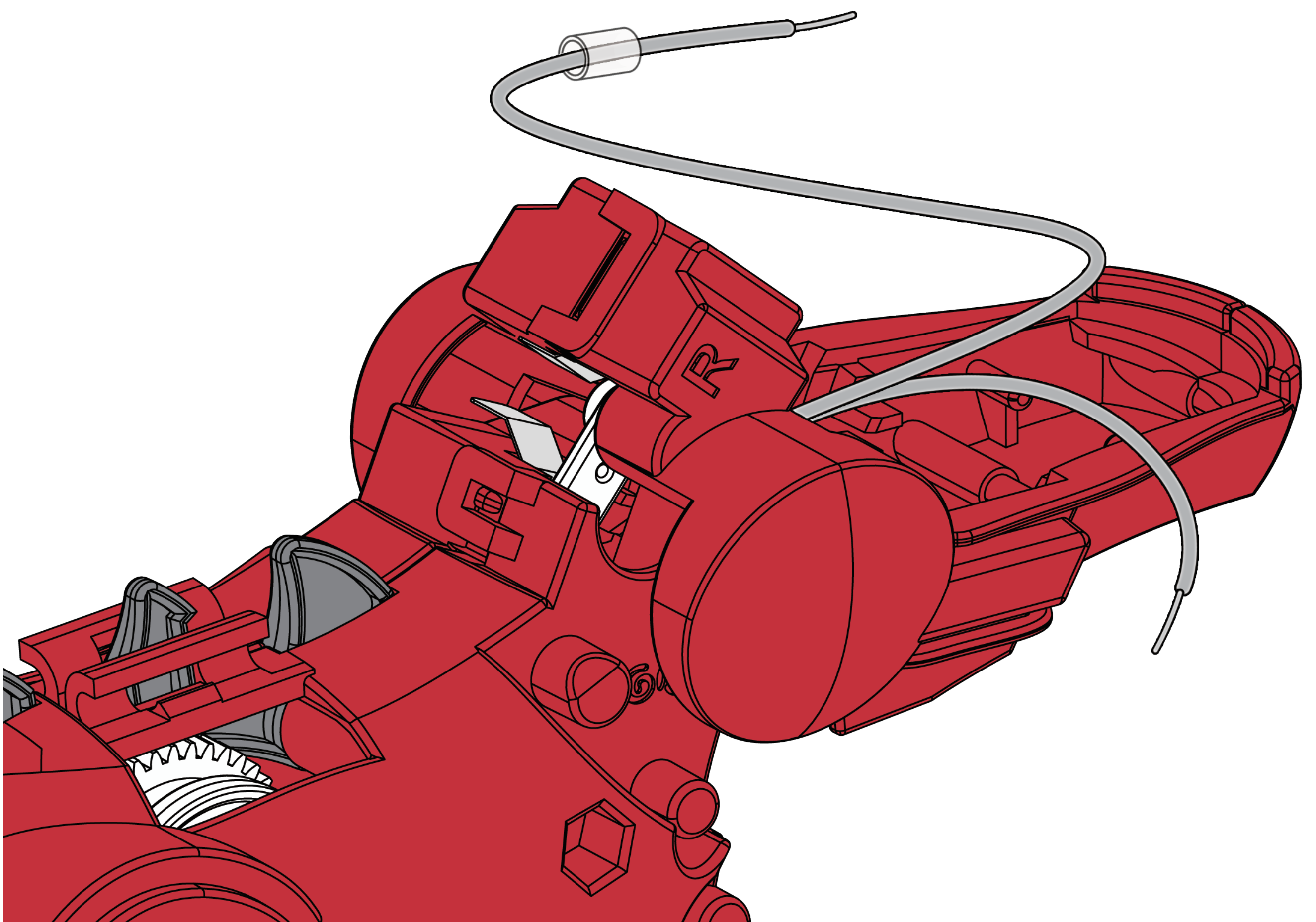
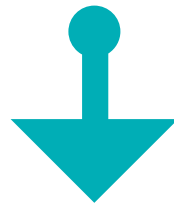
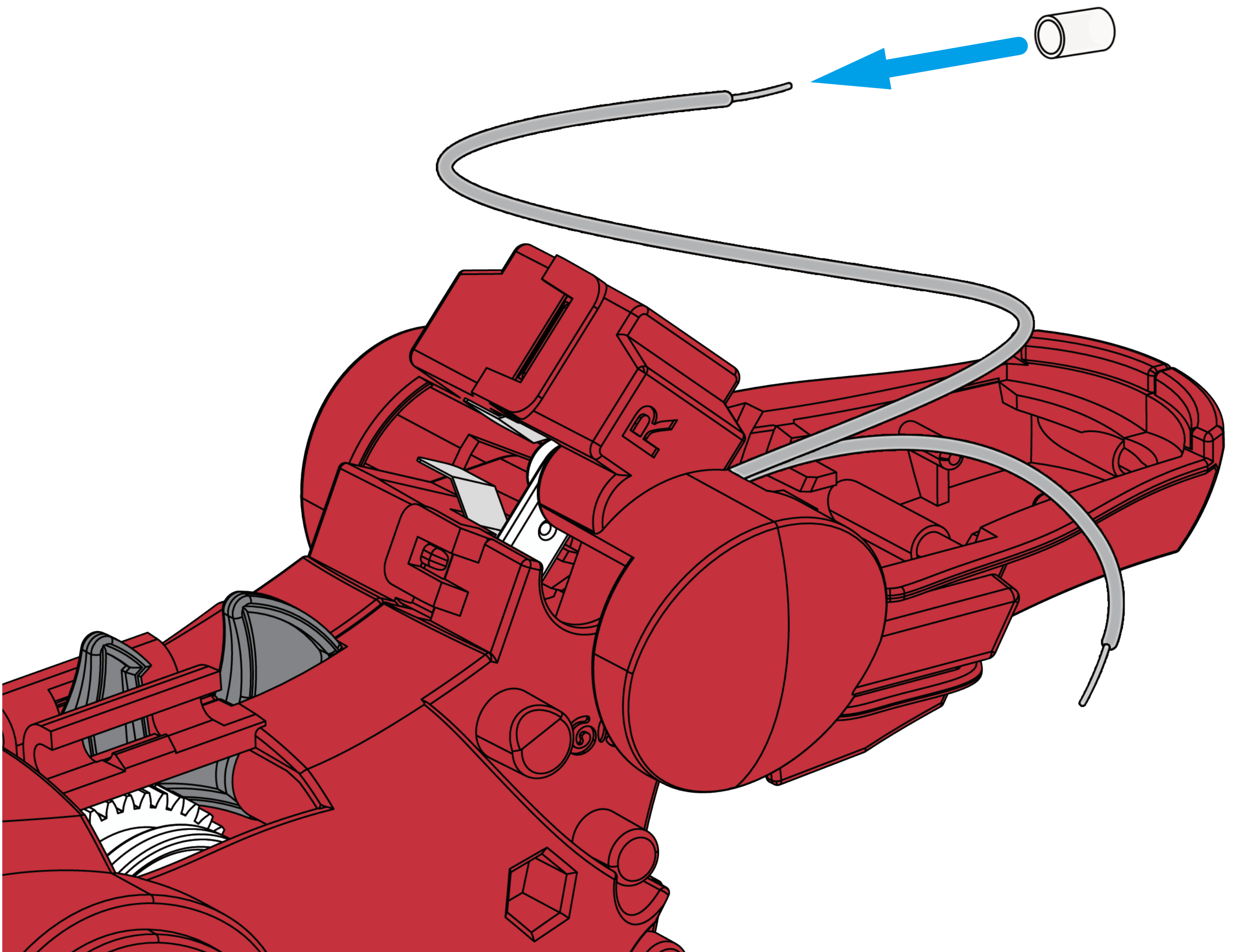
(Unit: CM)





16

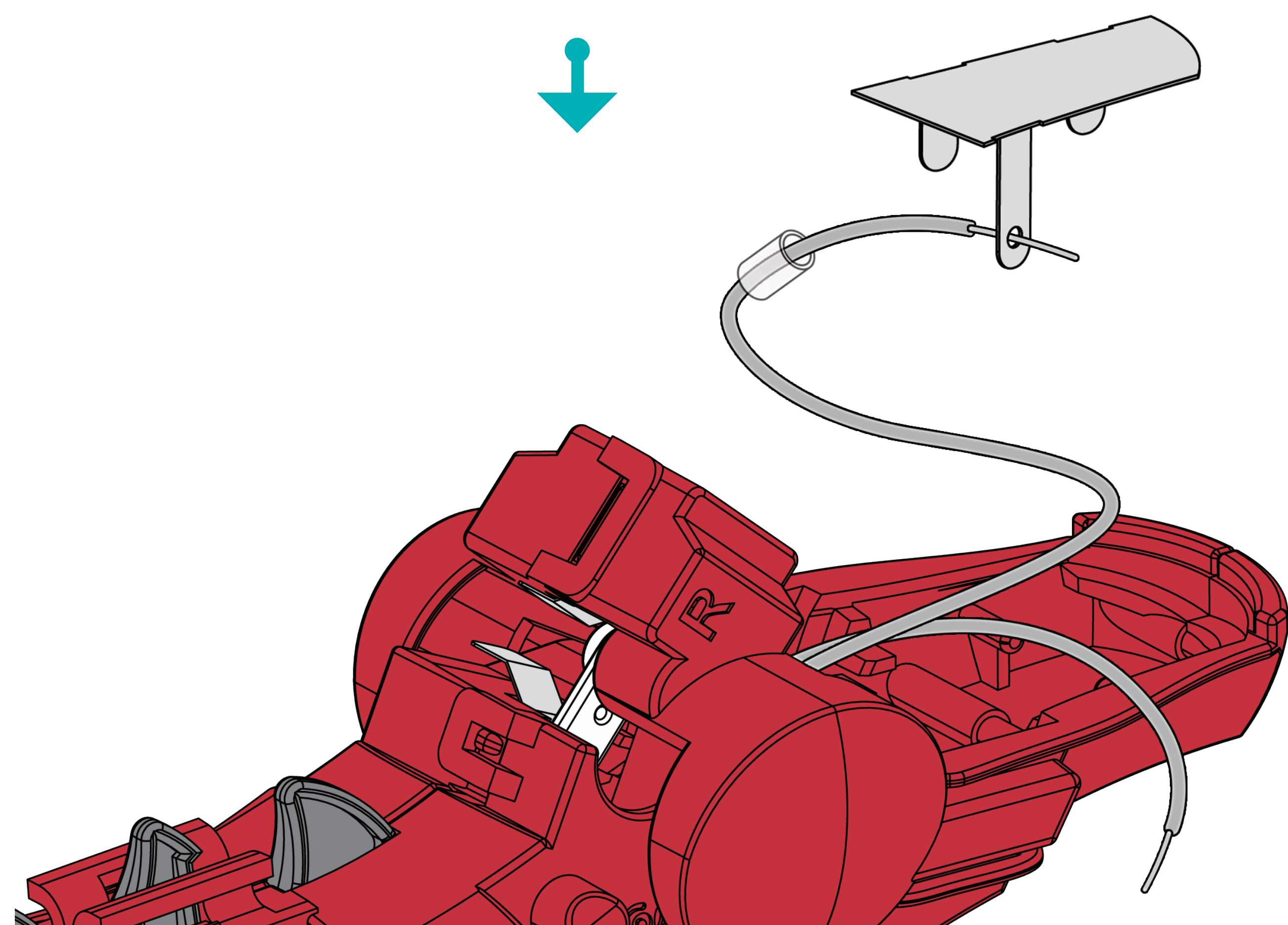
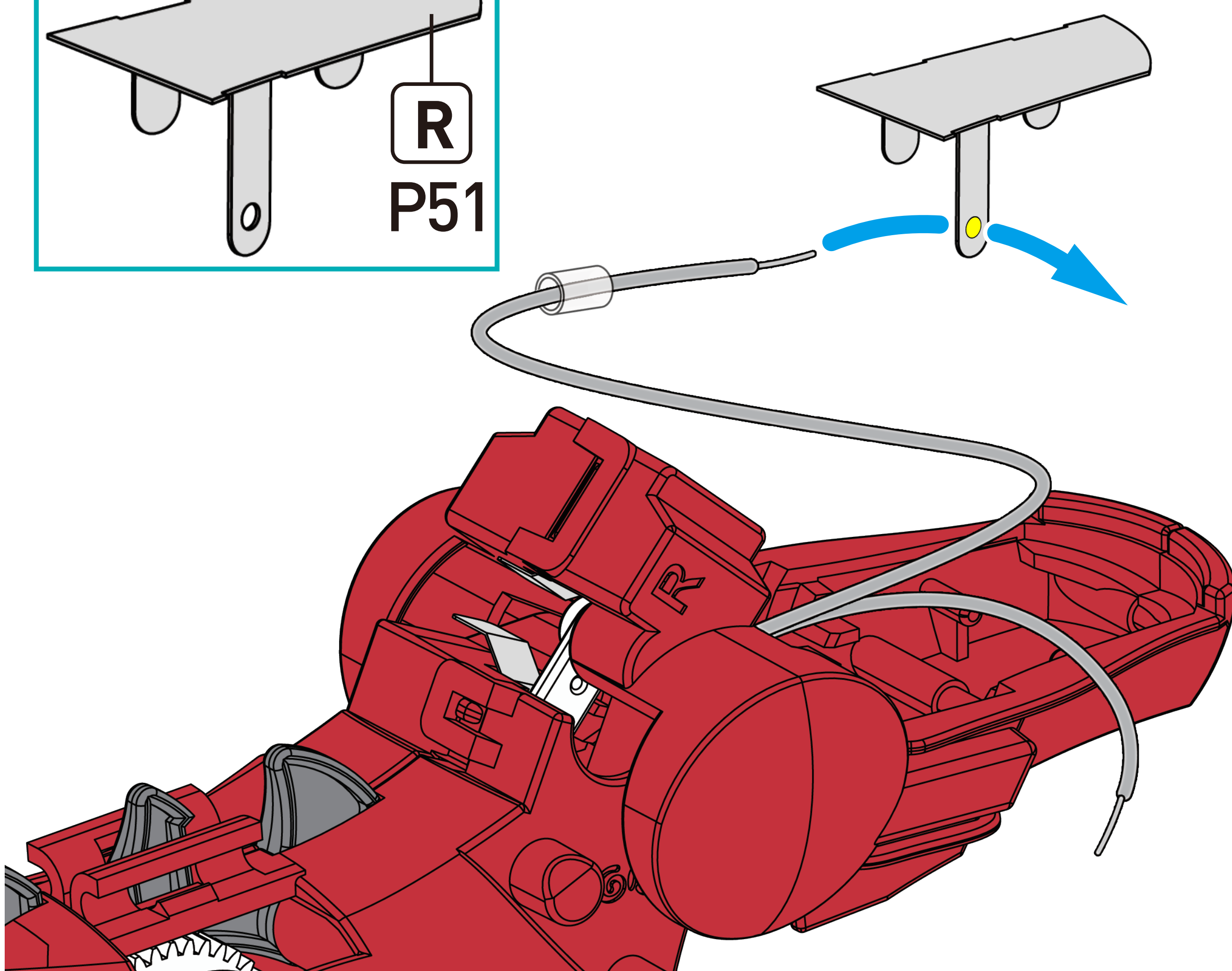
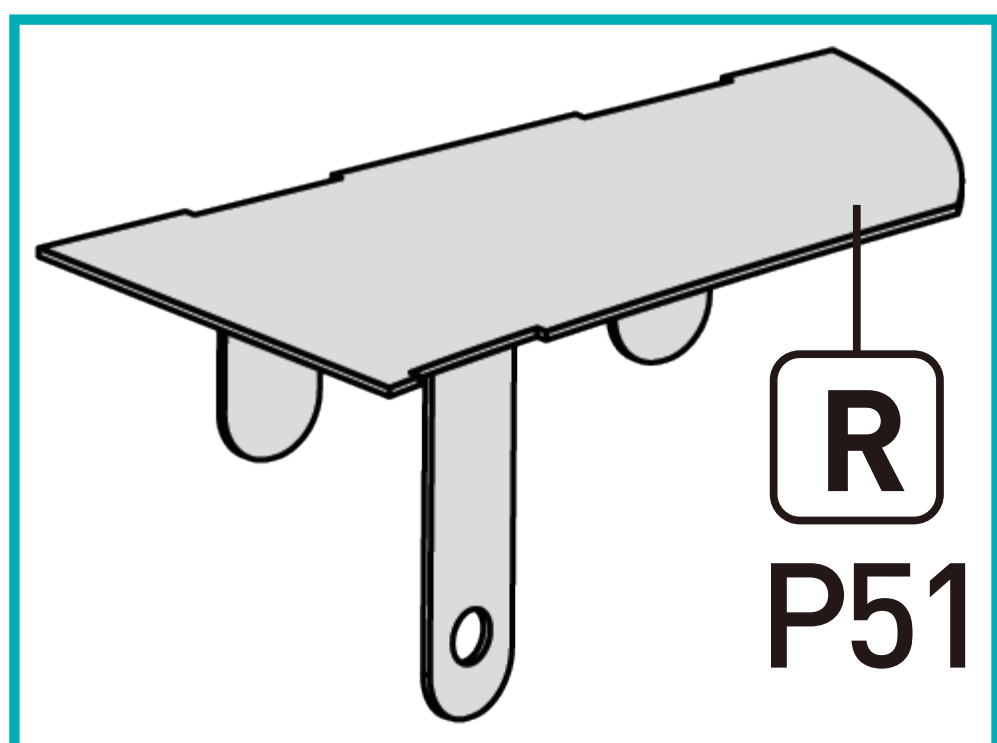
1.R Slide the contact protector  
onto the longer gray cable.





16

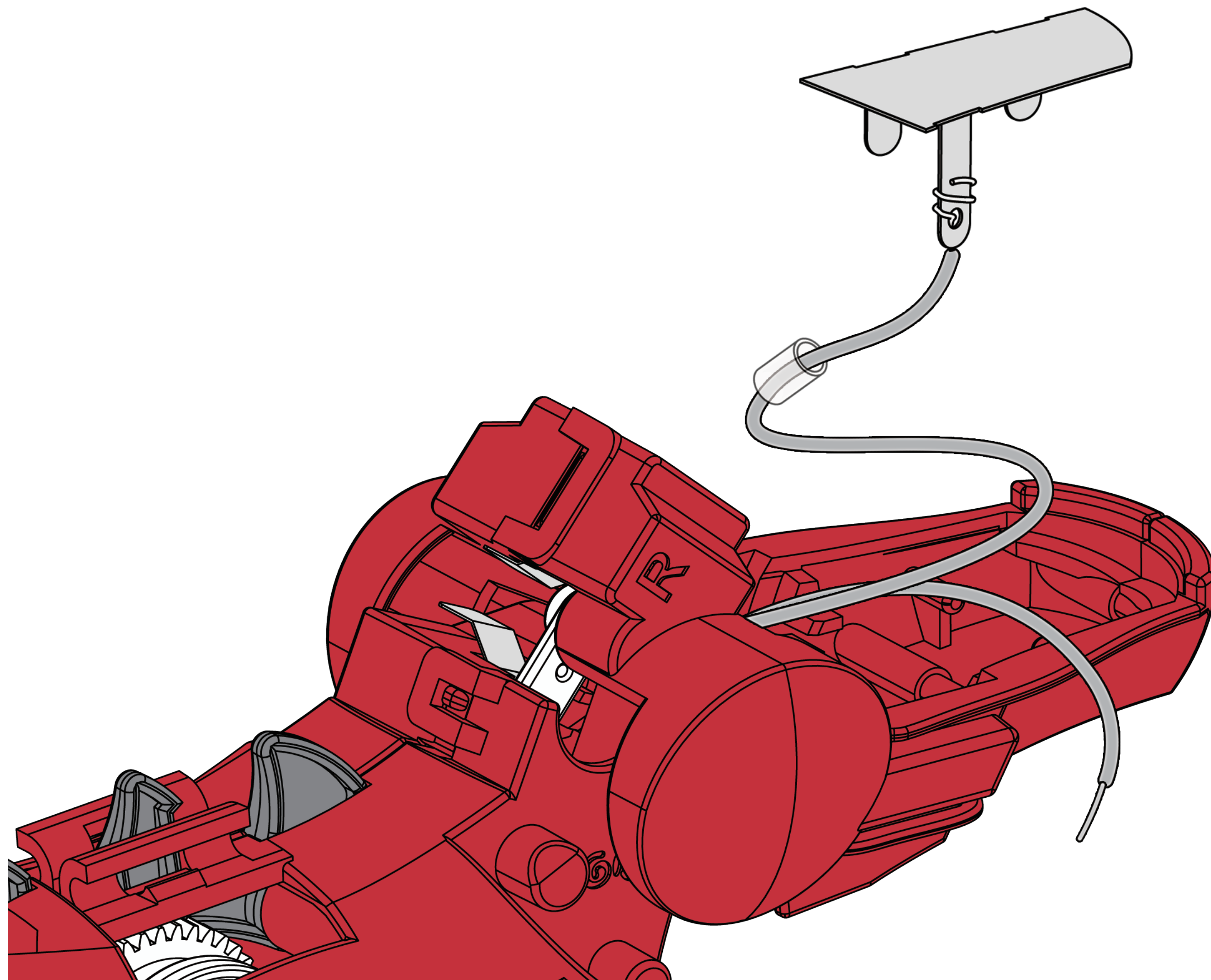
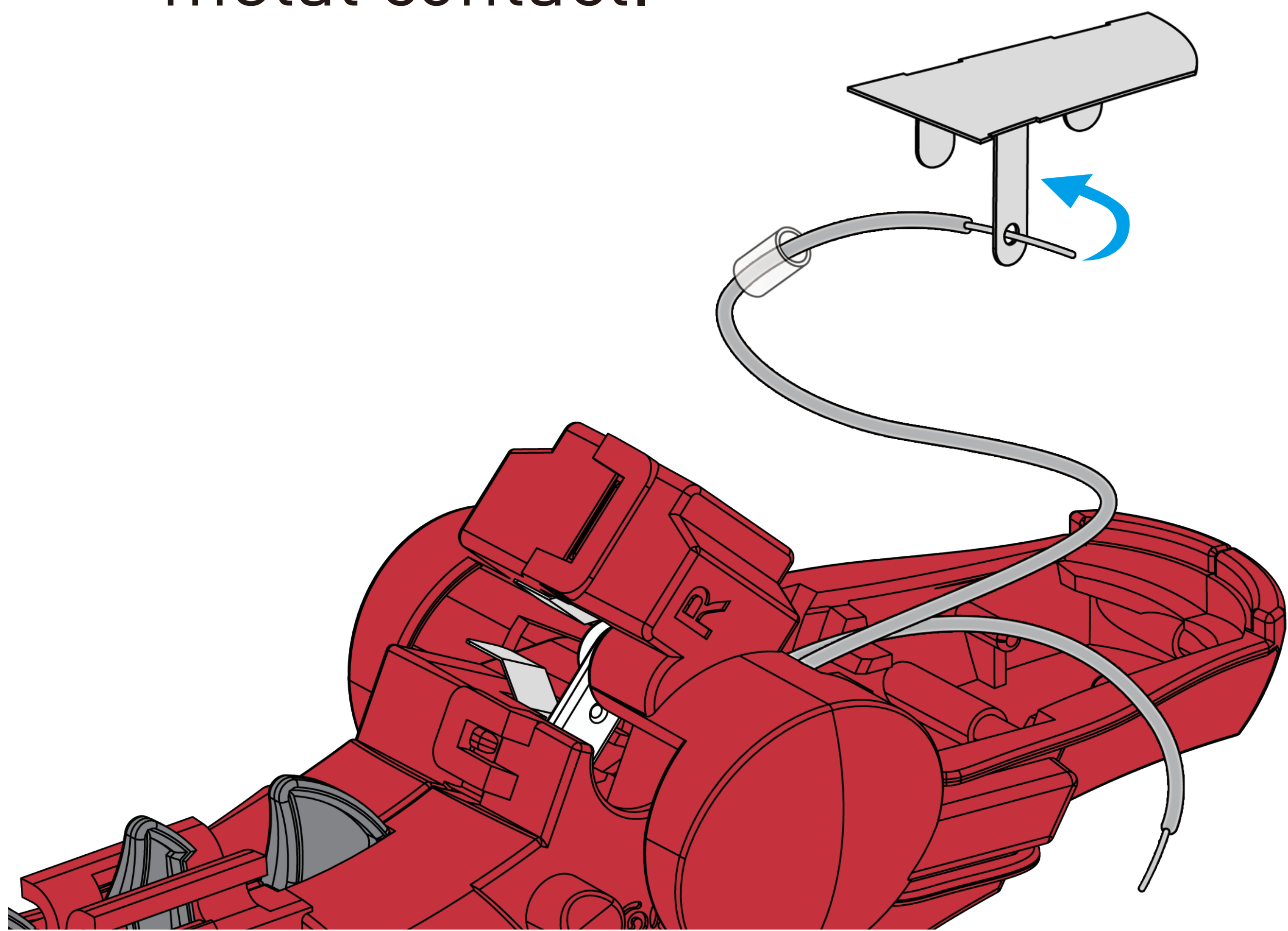
2.R Pass the metal end of the cable through the hole in the contact plate.





16

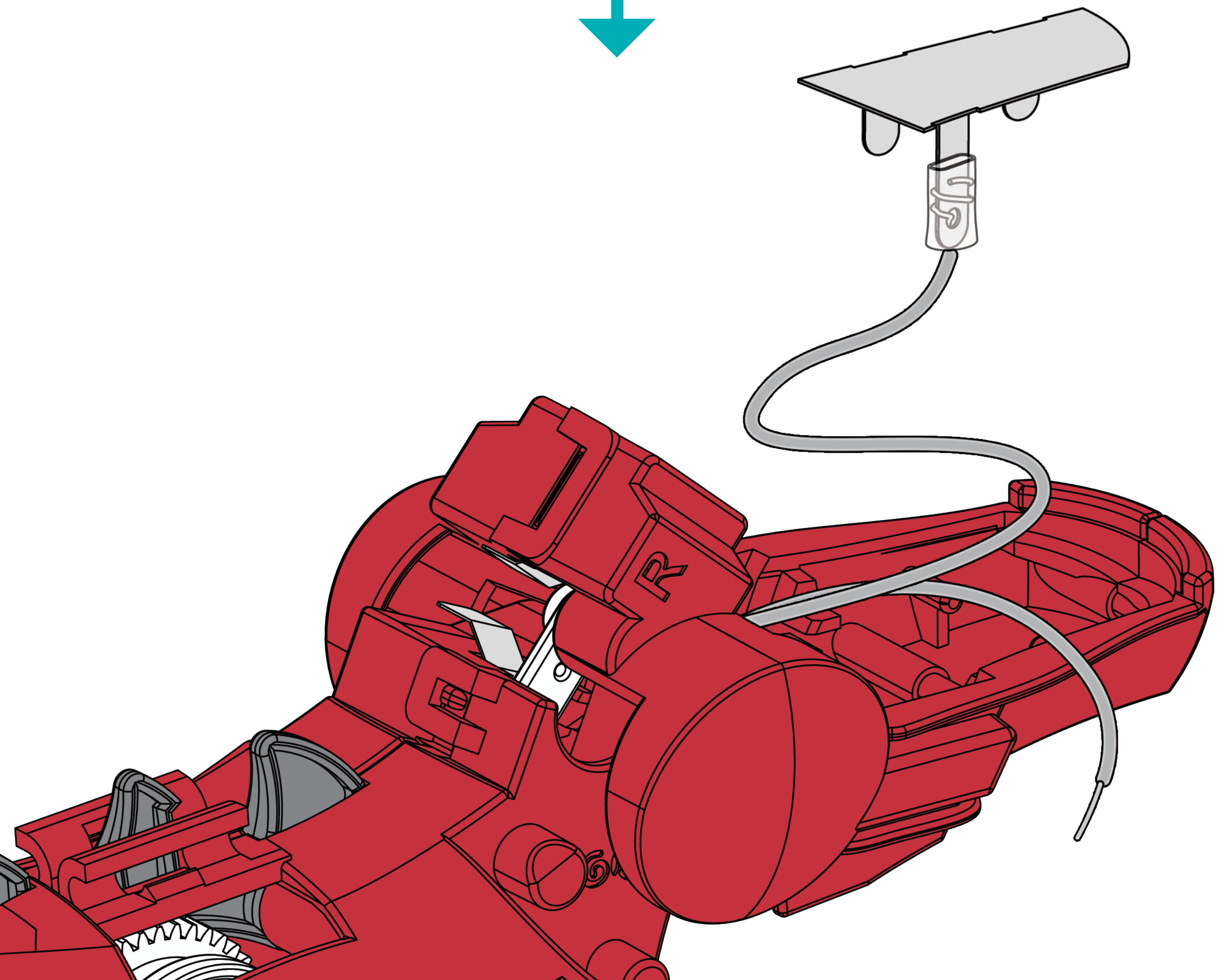
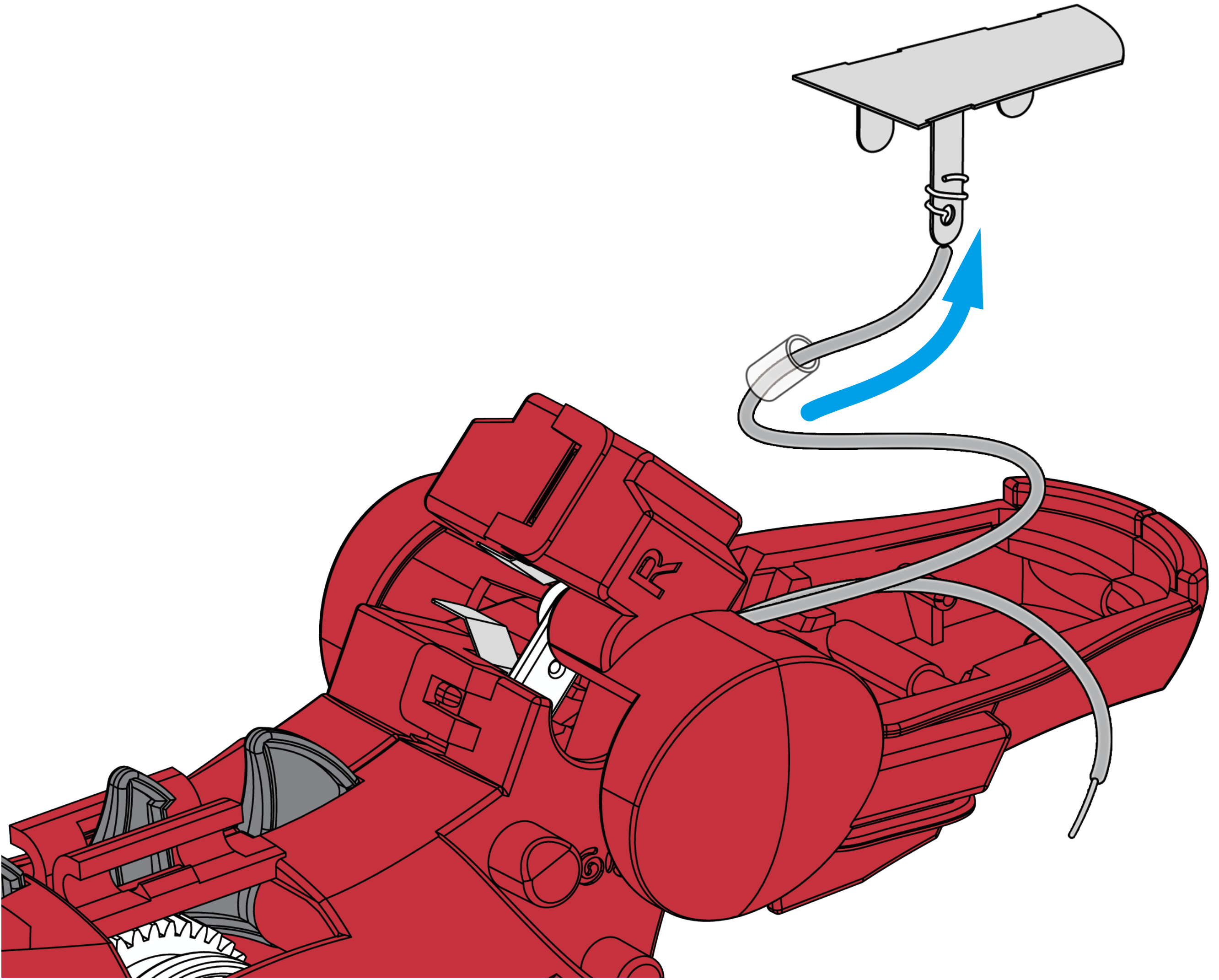
2.R Wrap the cable around the metal contact.





16

2.R Slide the contact protector on to the metal contact.

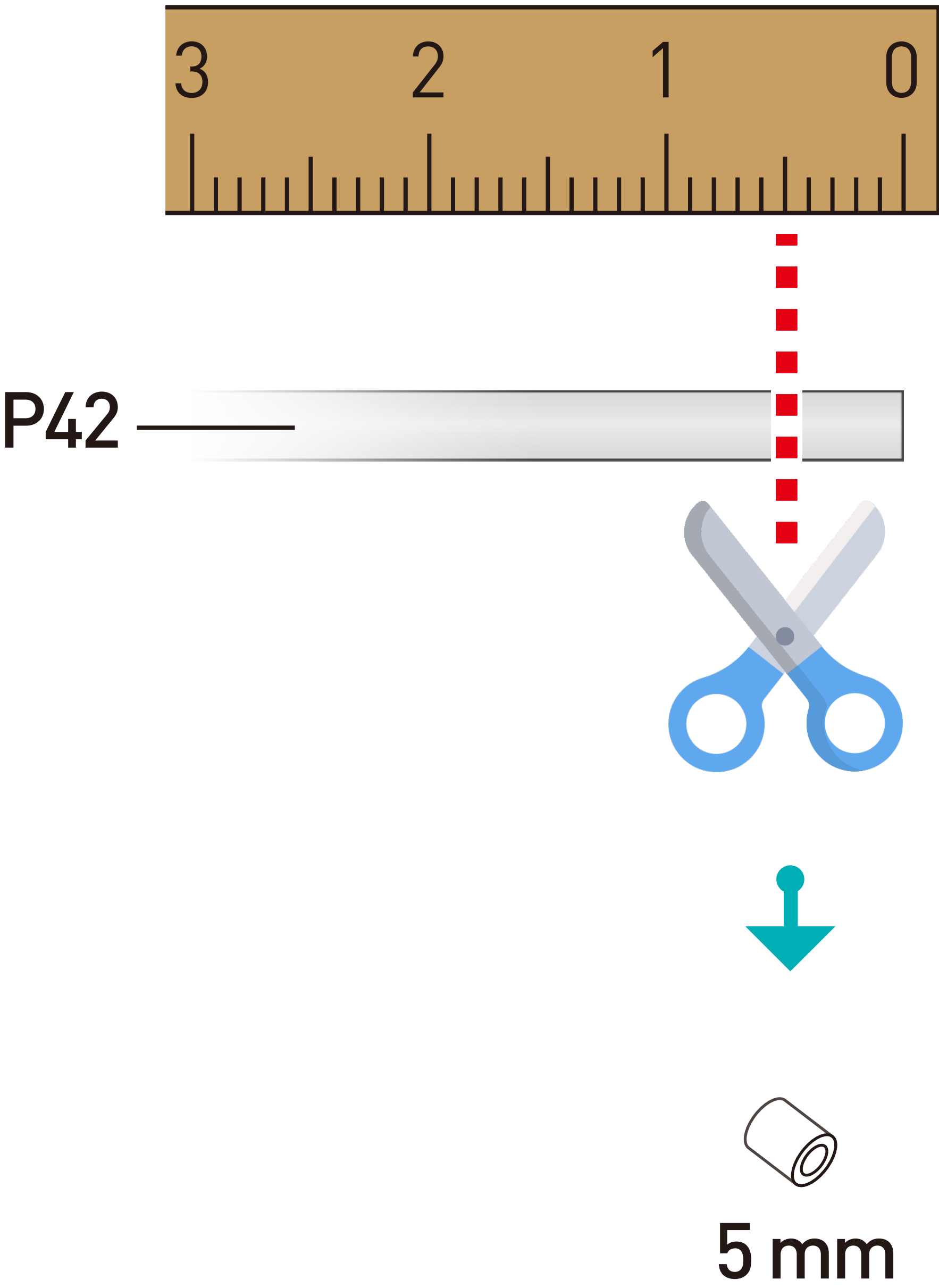




16

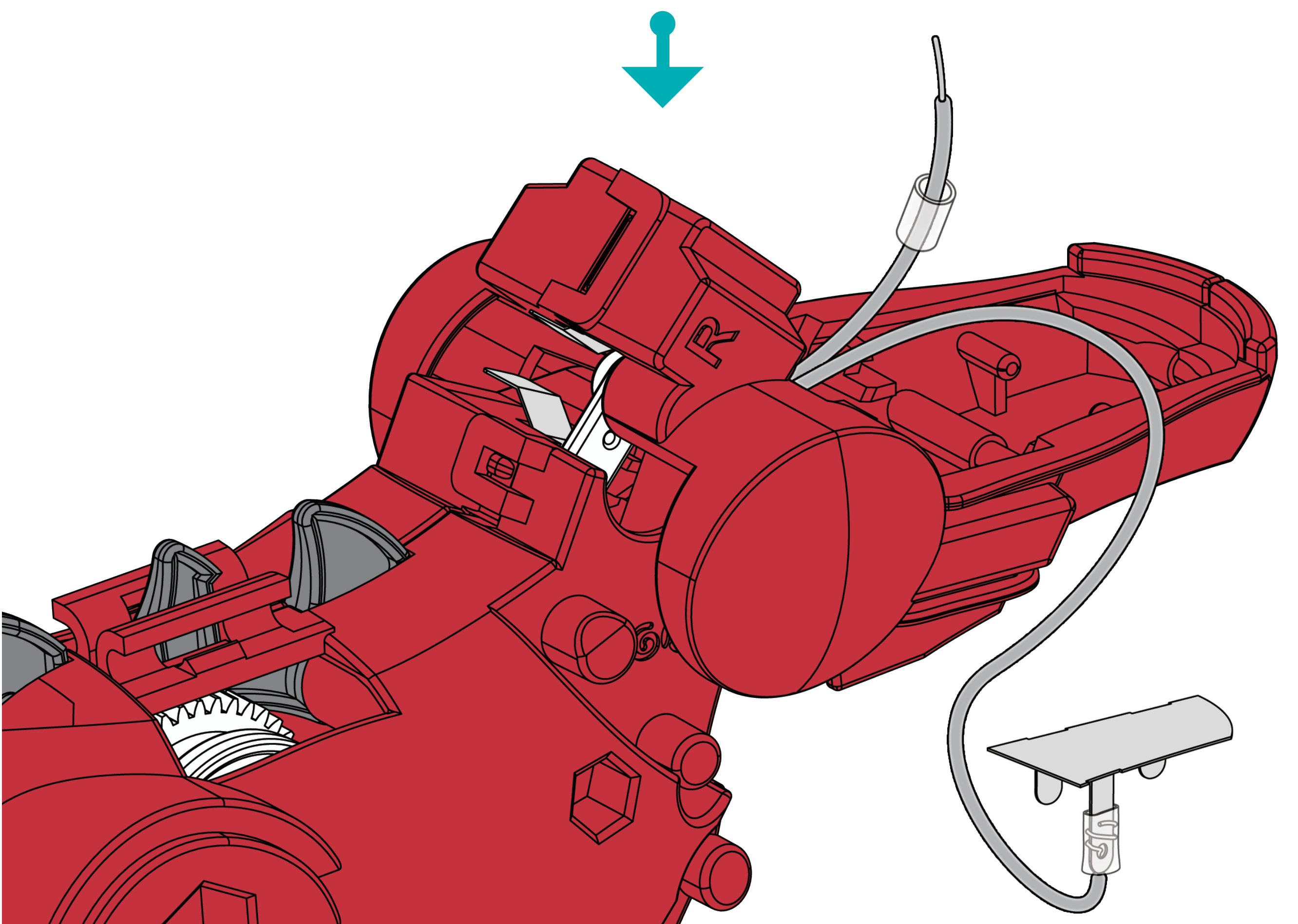
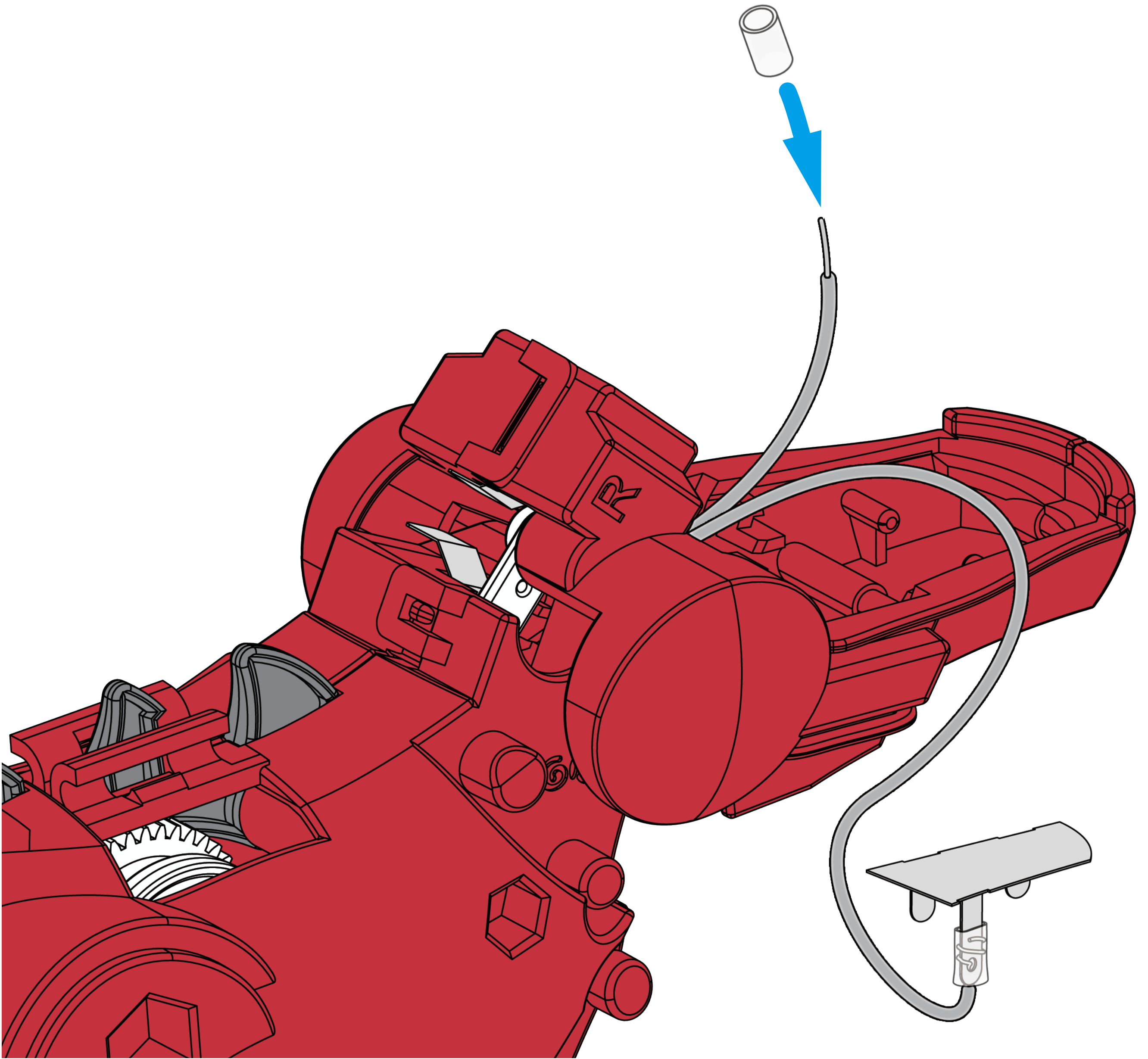
1.L Cut a 5mm piece of the contact protector.

(Unit: CM)



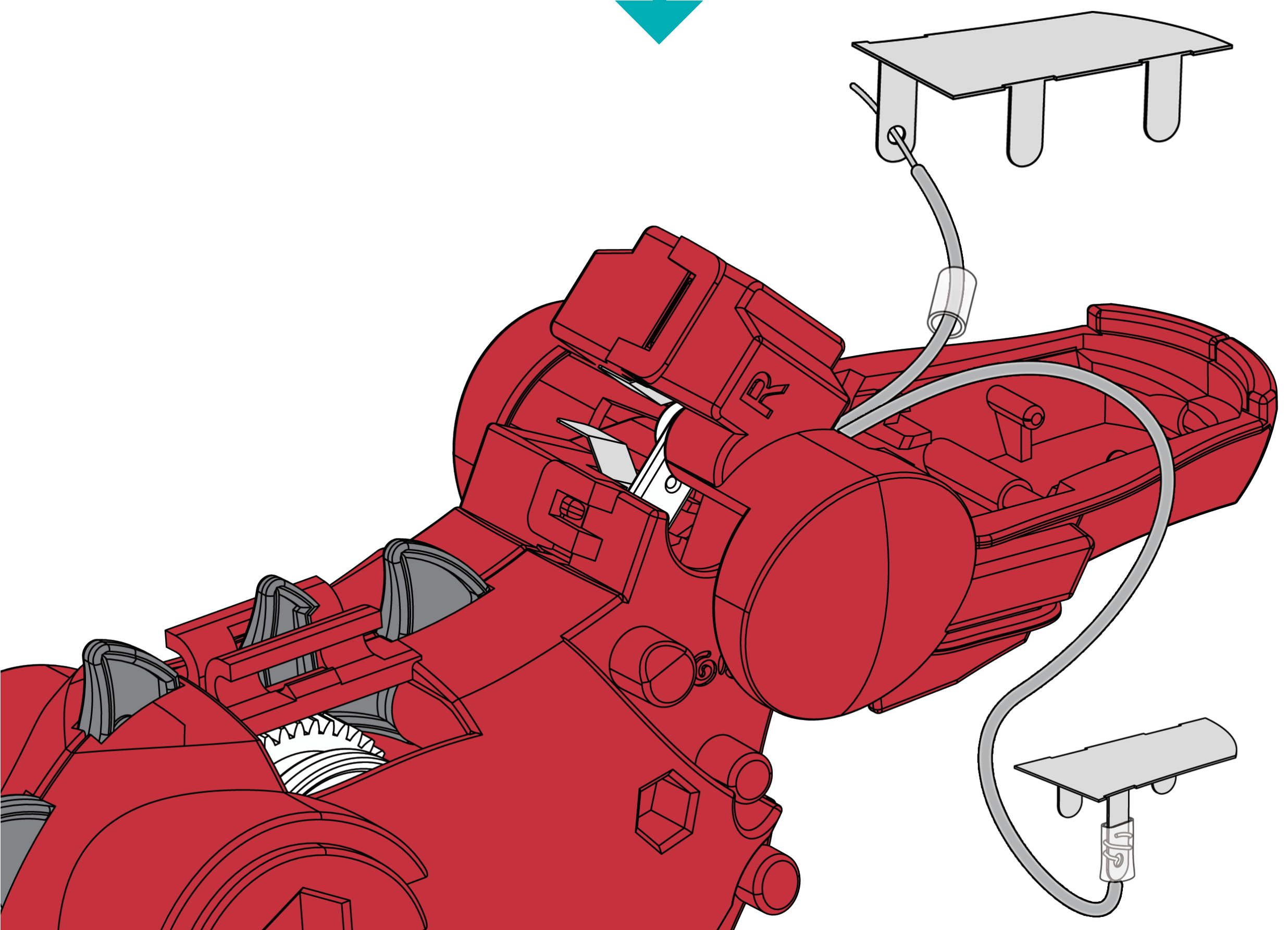
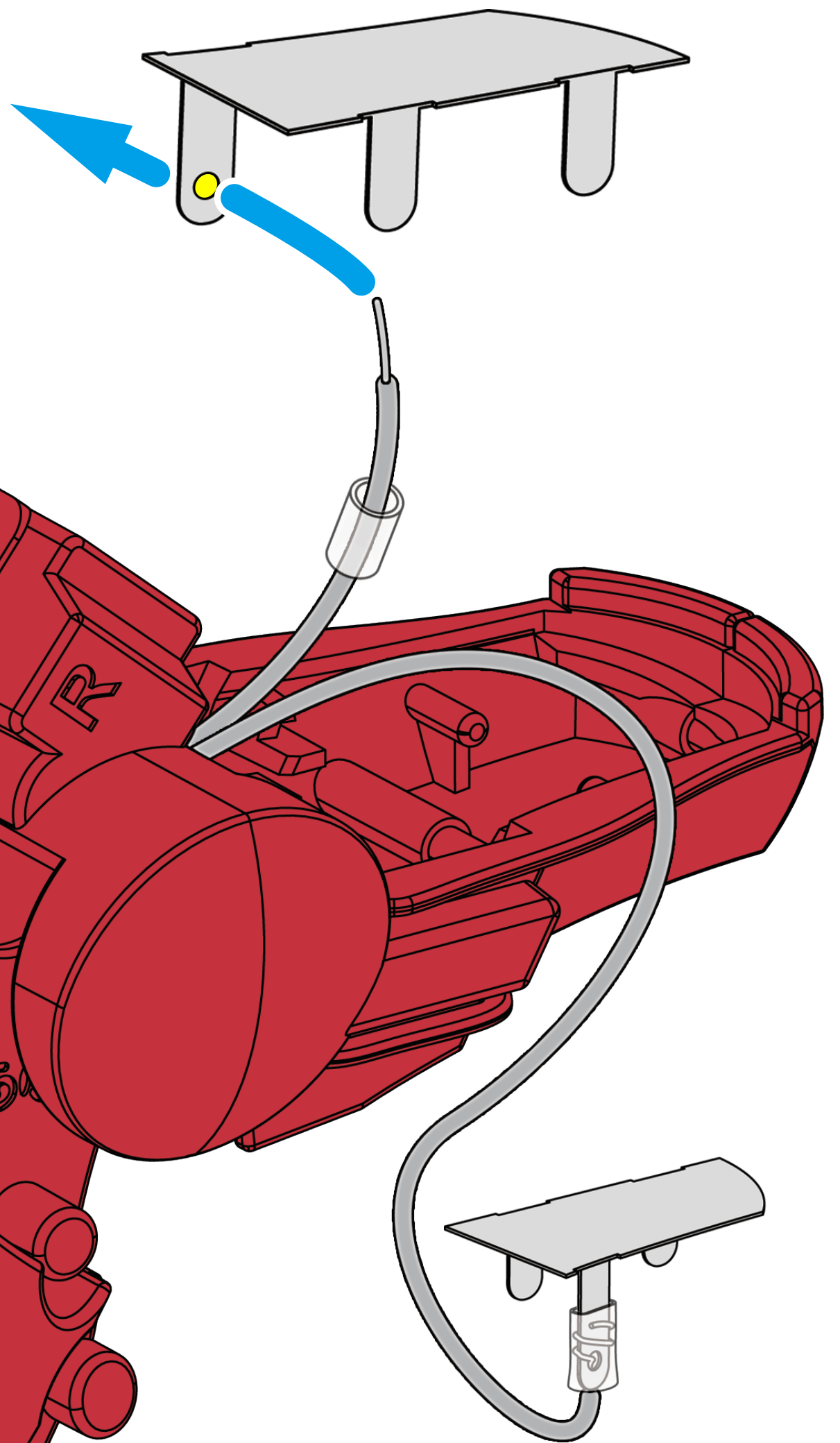
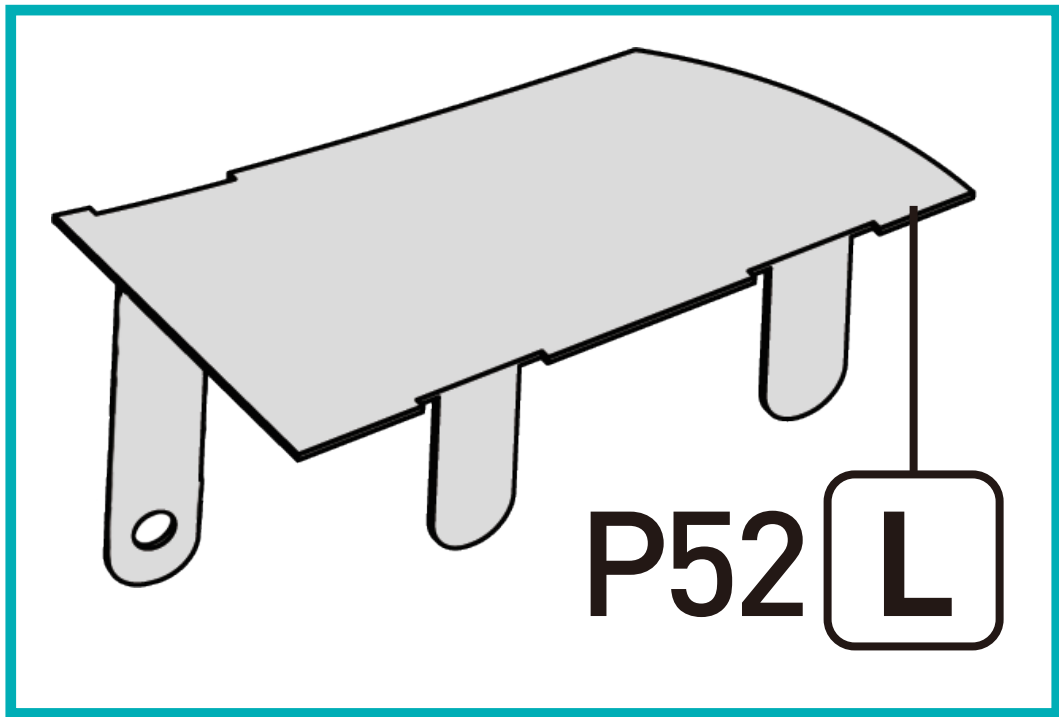


**16** 1.L Slide the contact protector onto the shorter gray cable.



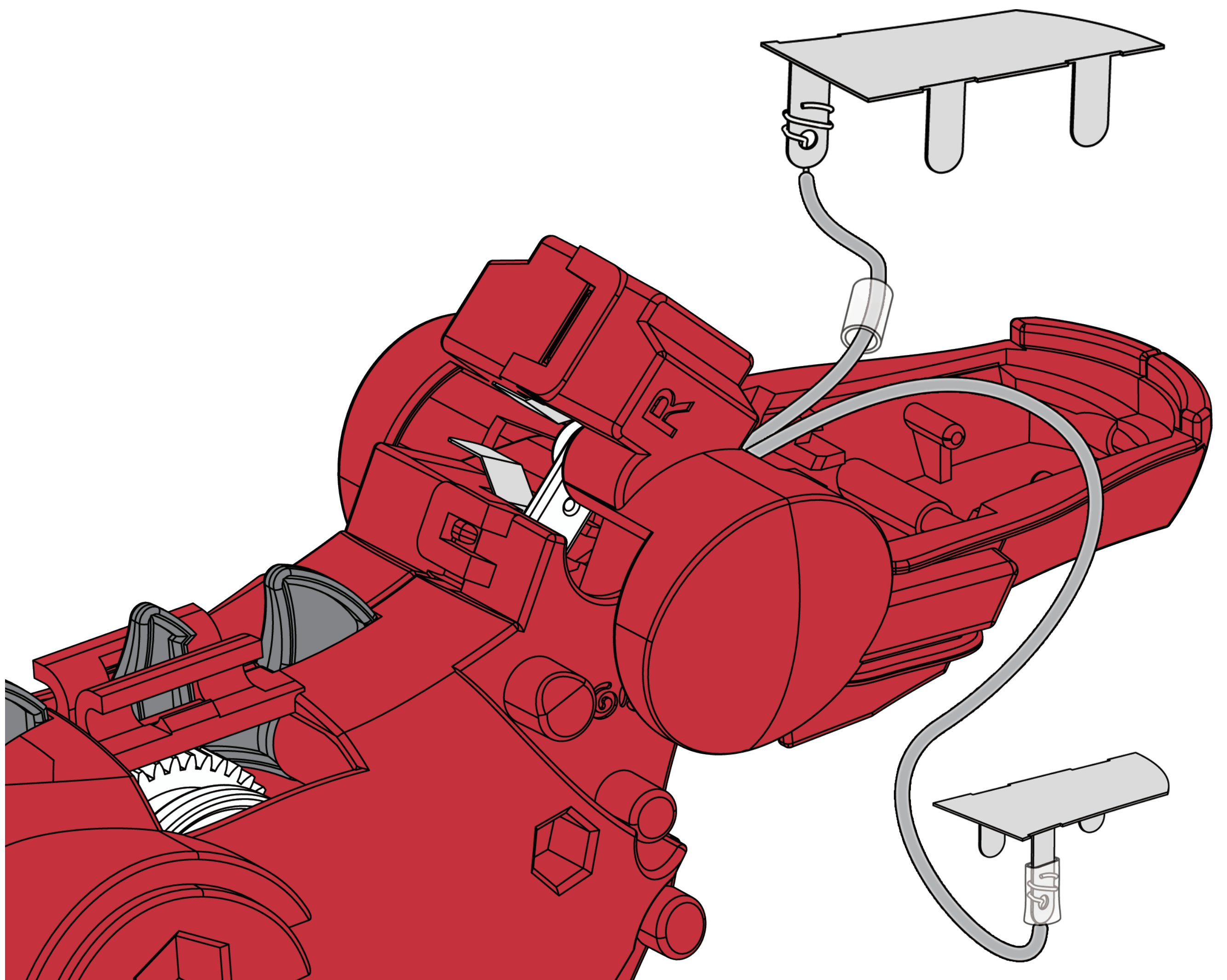
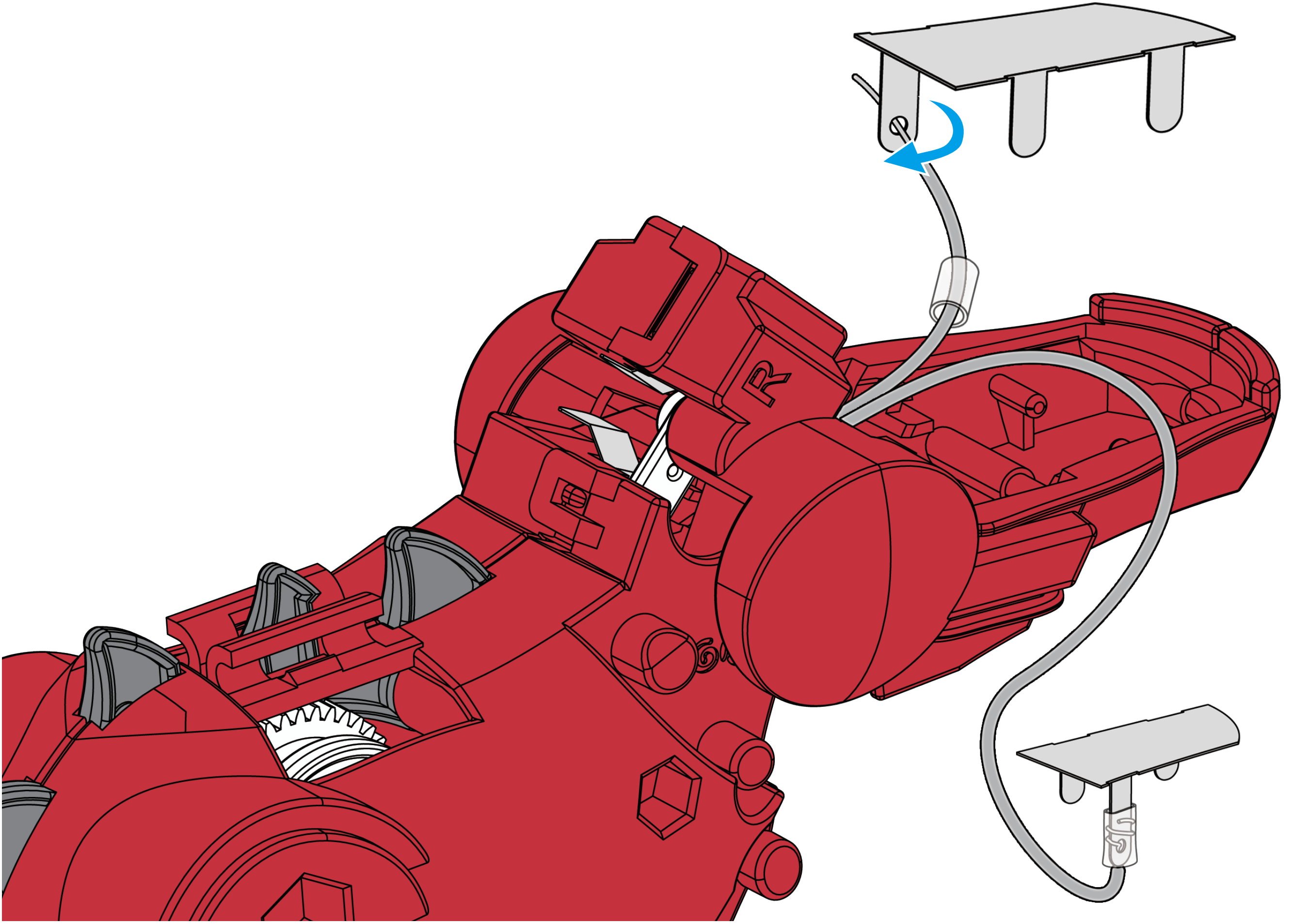


**16** 2.L Pass the metal end of the cable through the hole in the contact plate.





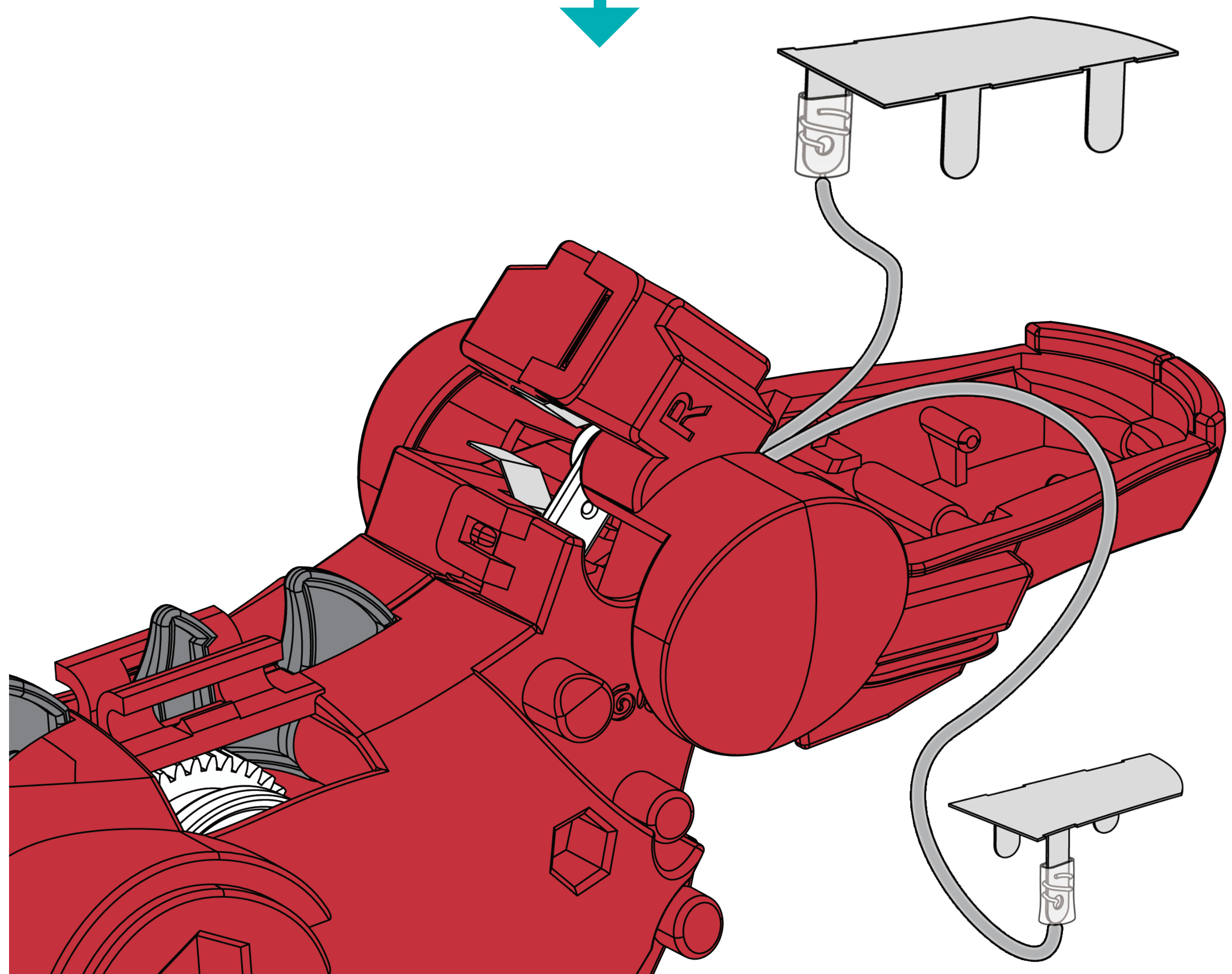
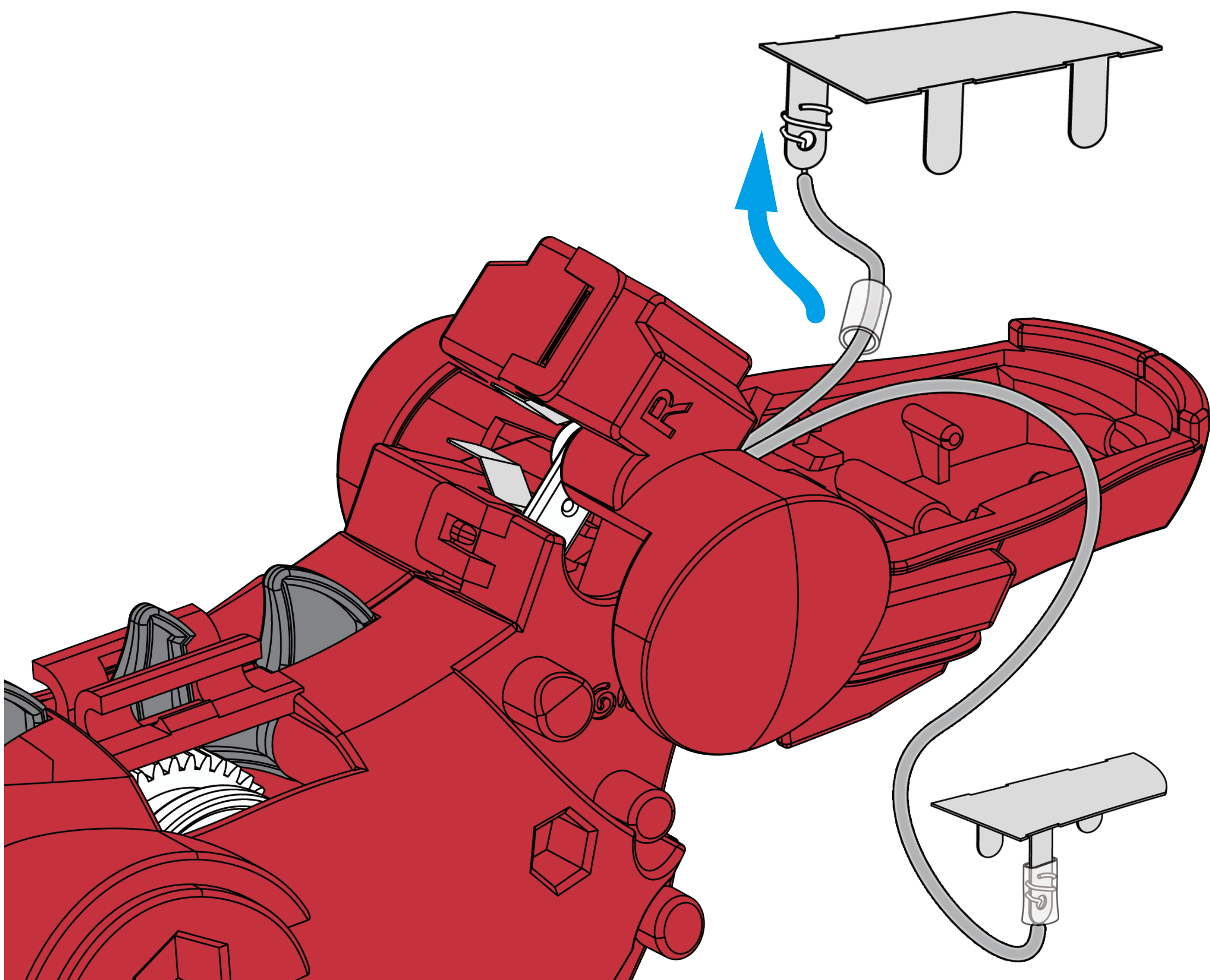
**16** 2.L Wrap the cable around the metal contact.





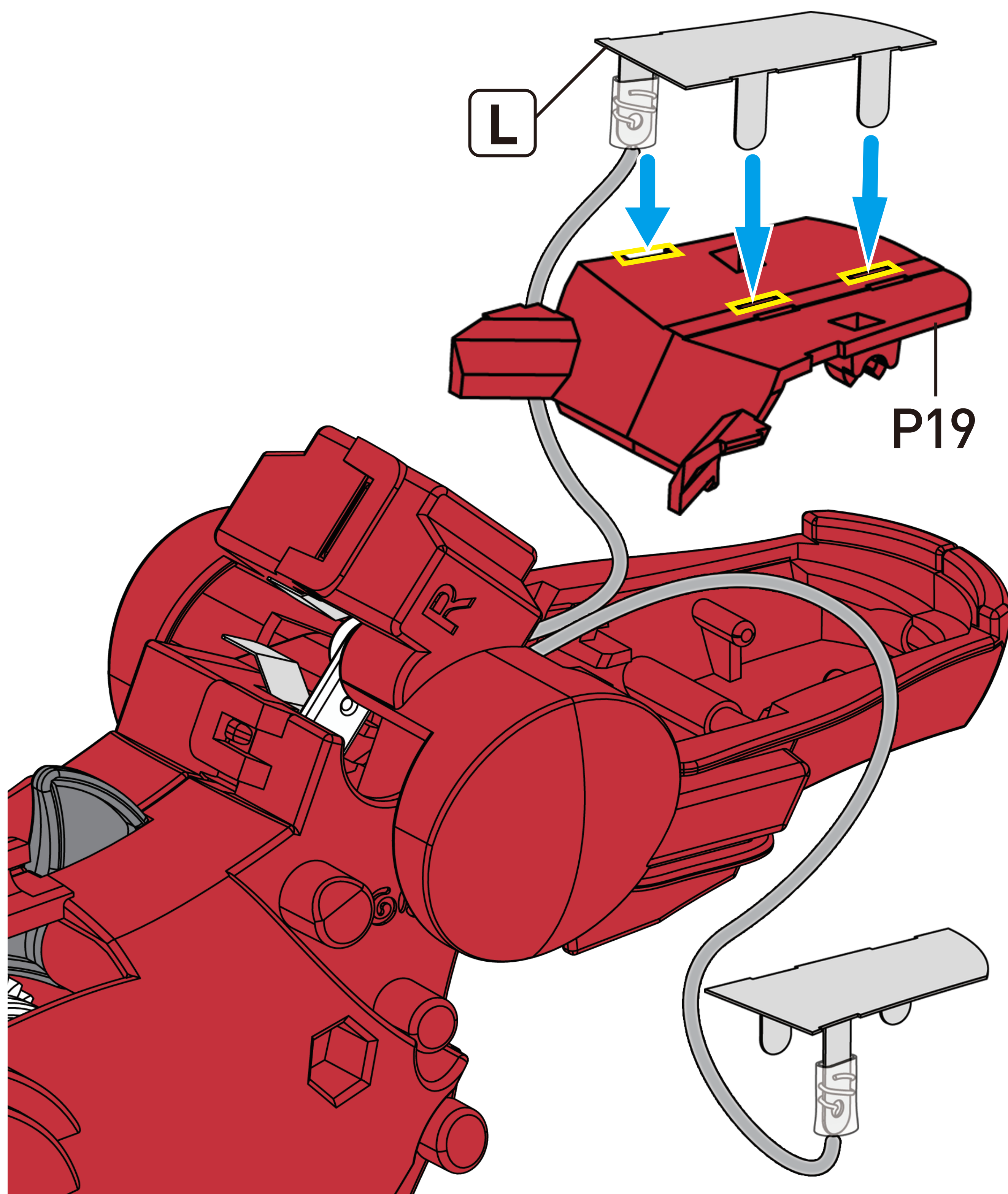
16

2.L Slide the contact protector on to the metal contact.





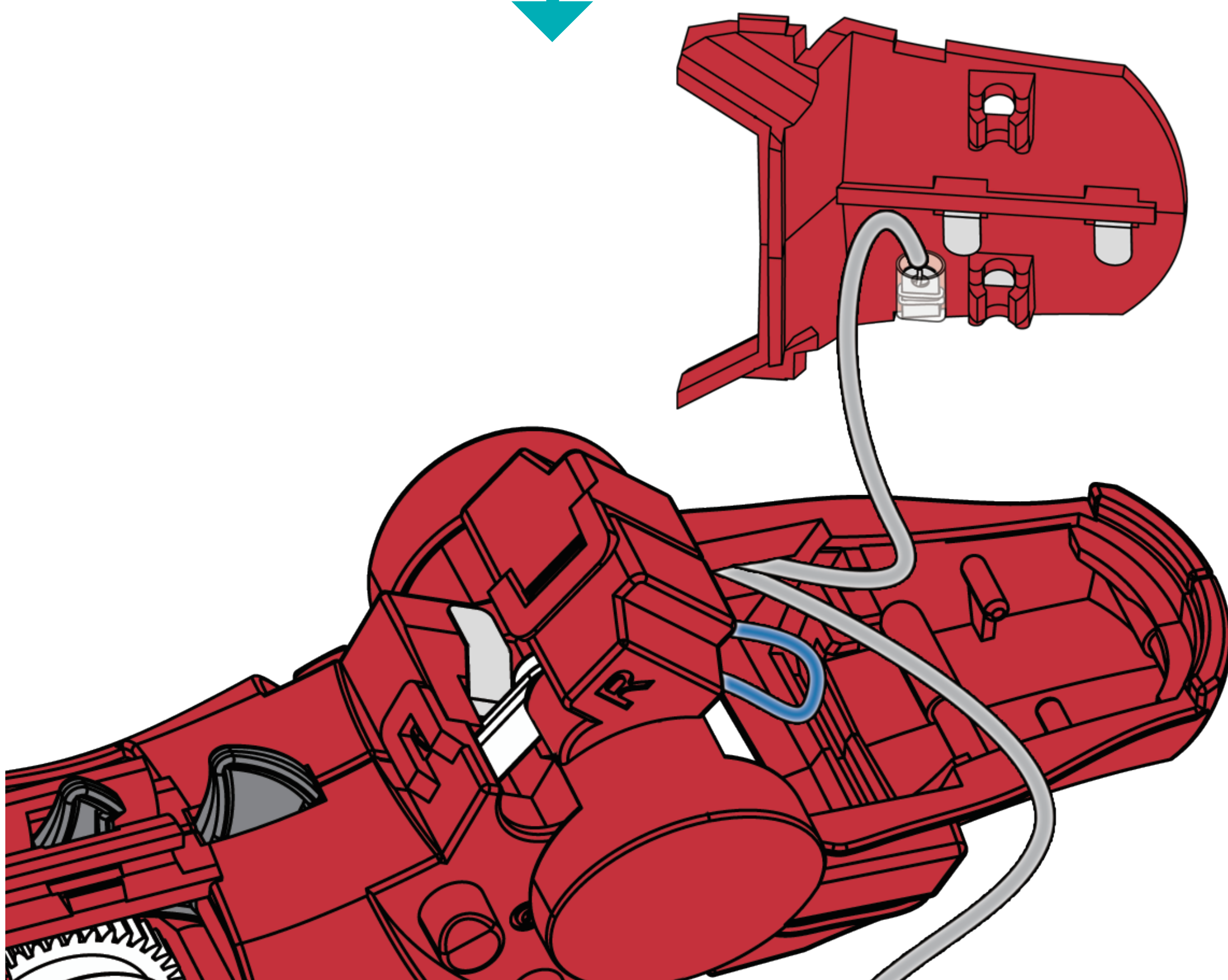
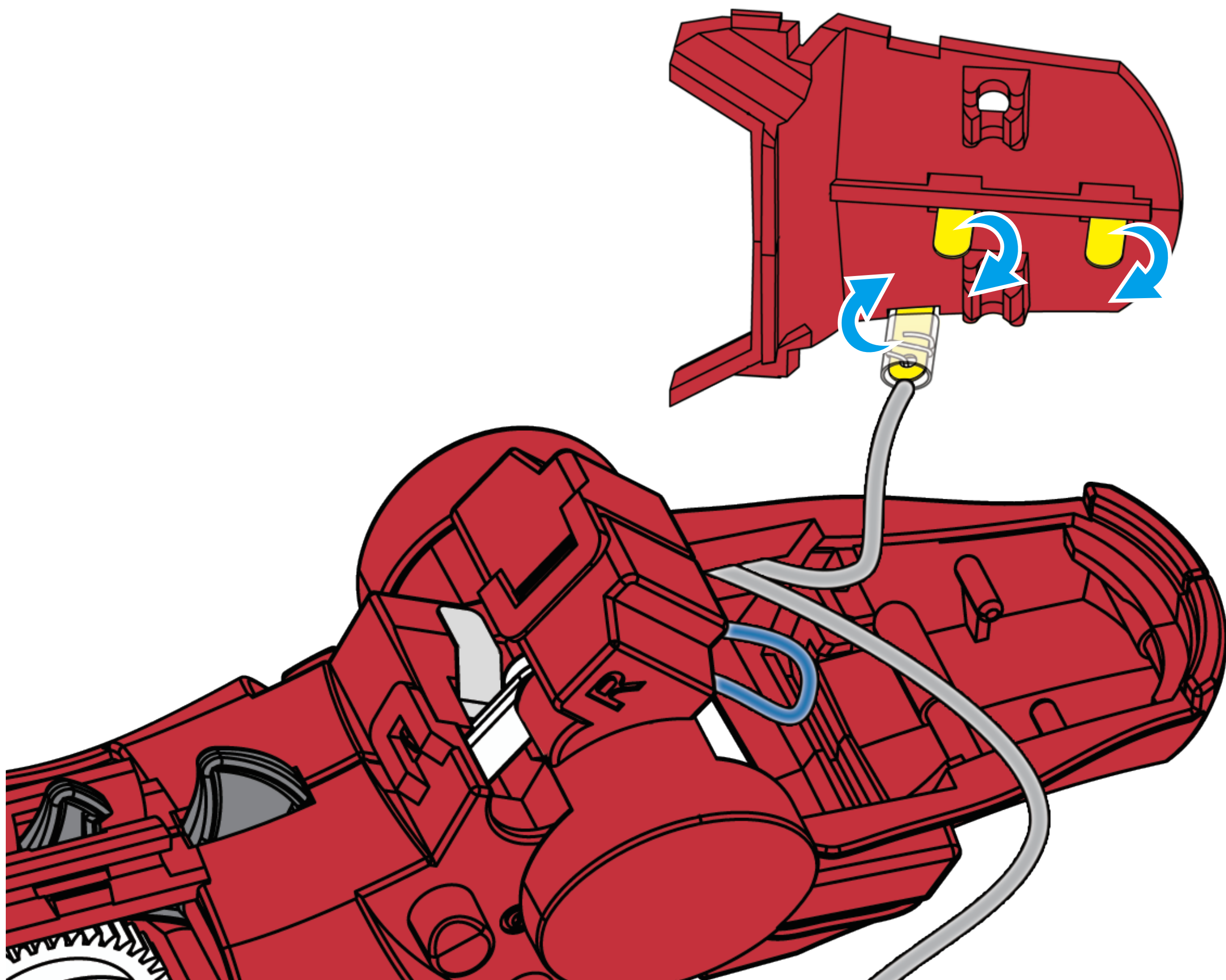
**17** Press the left contact plate (P52) into the mouth (P19).





18

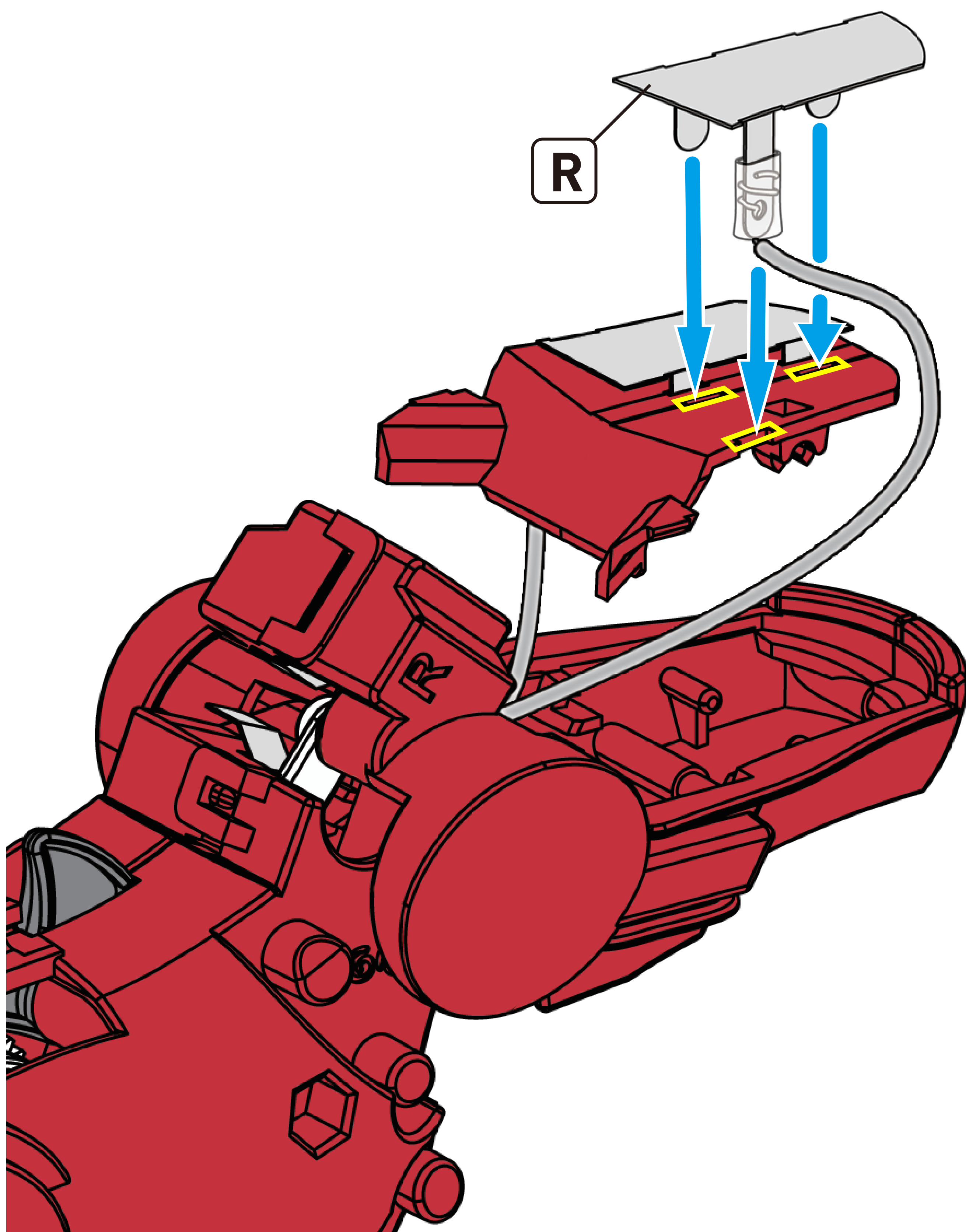
Bend the three contact clips toward the inside and press flat.





19

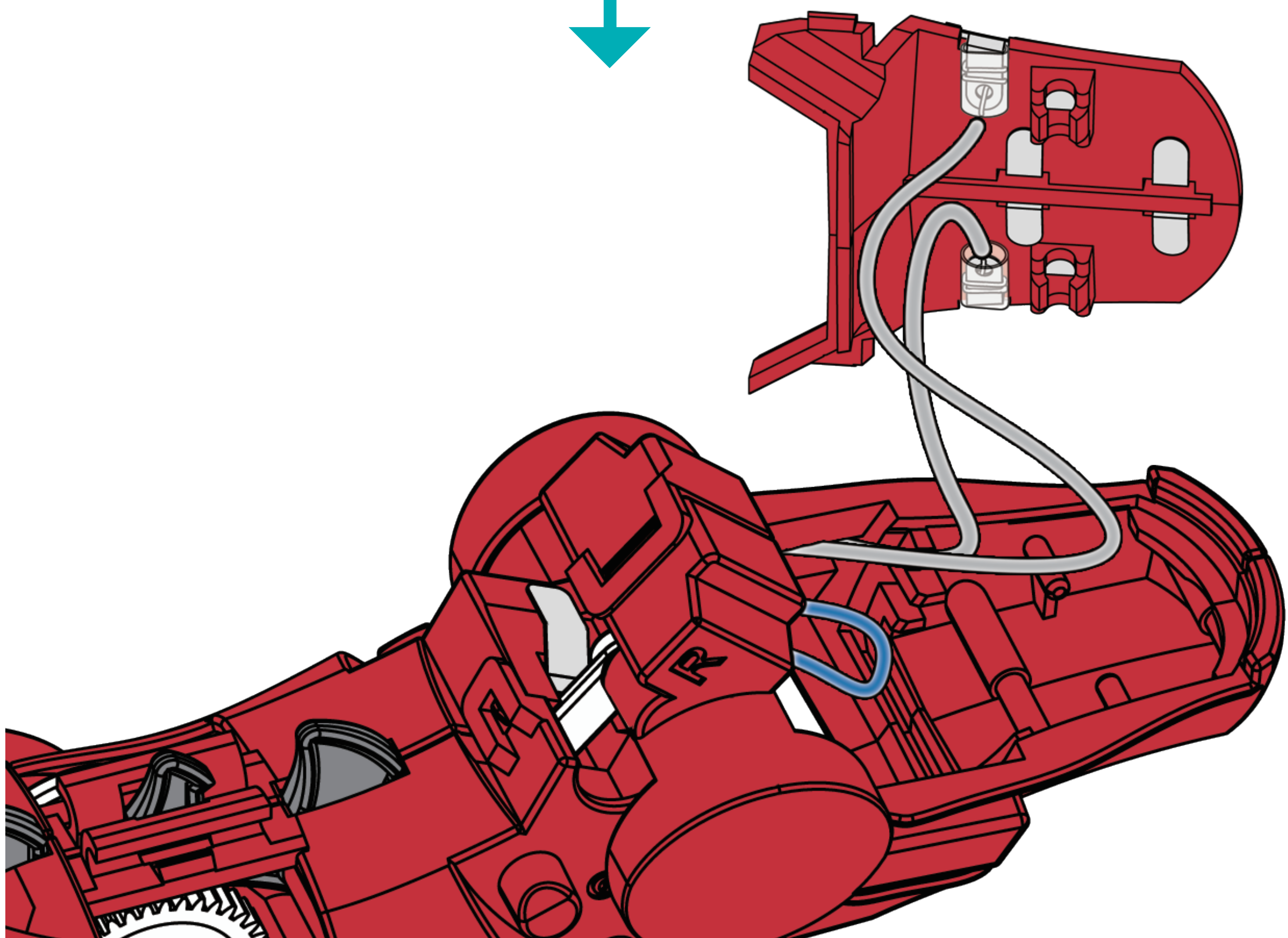
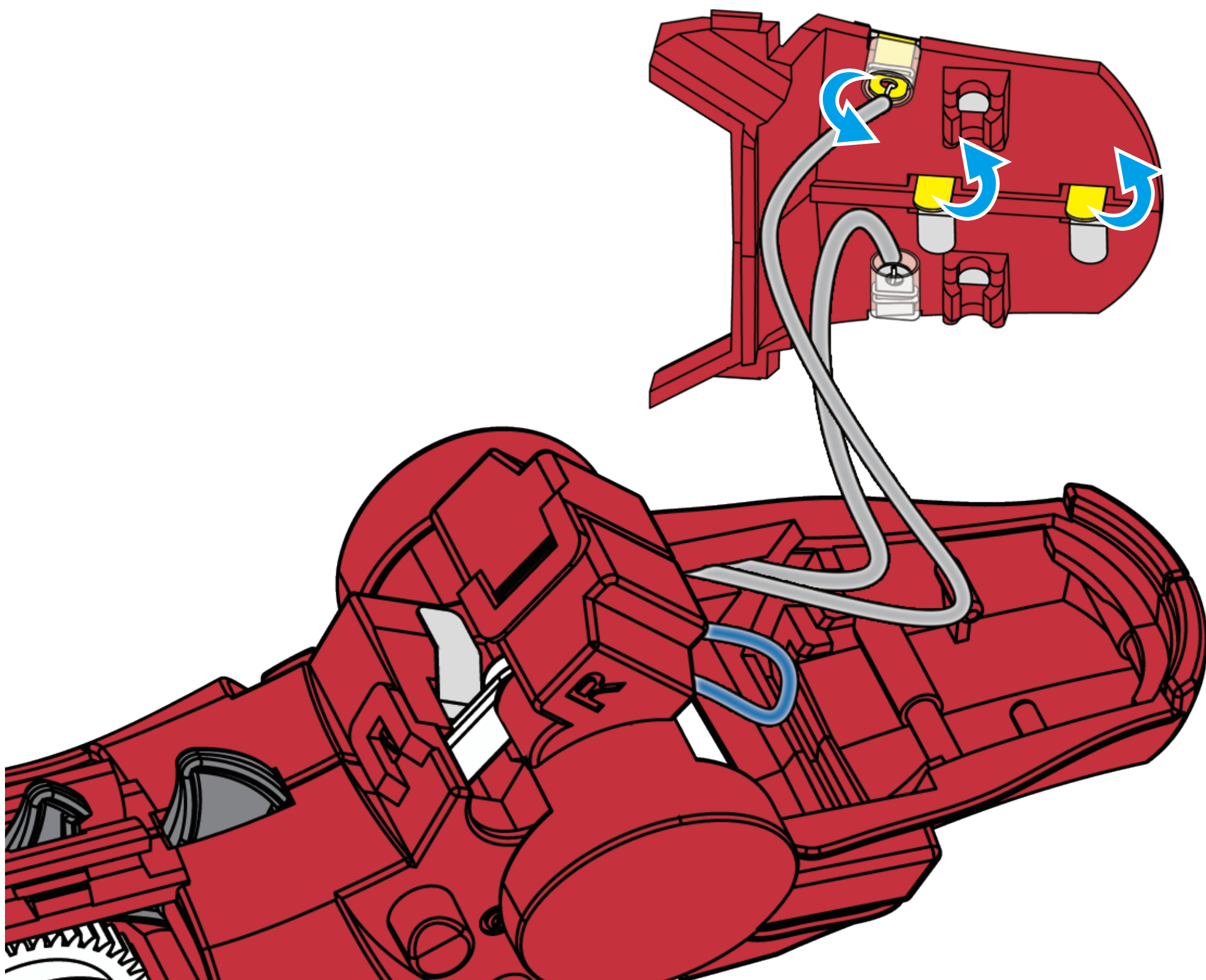
Press the right contact plate (P51) into the mouth (P19).





20

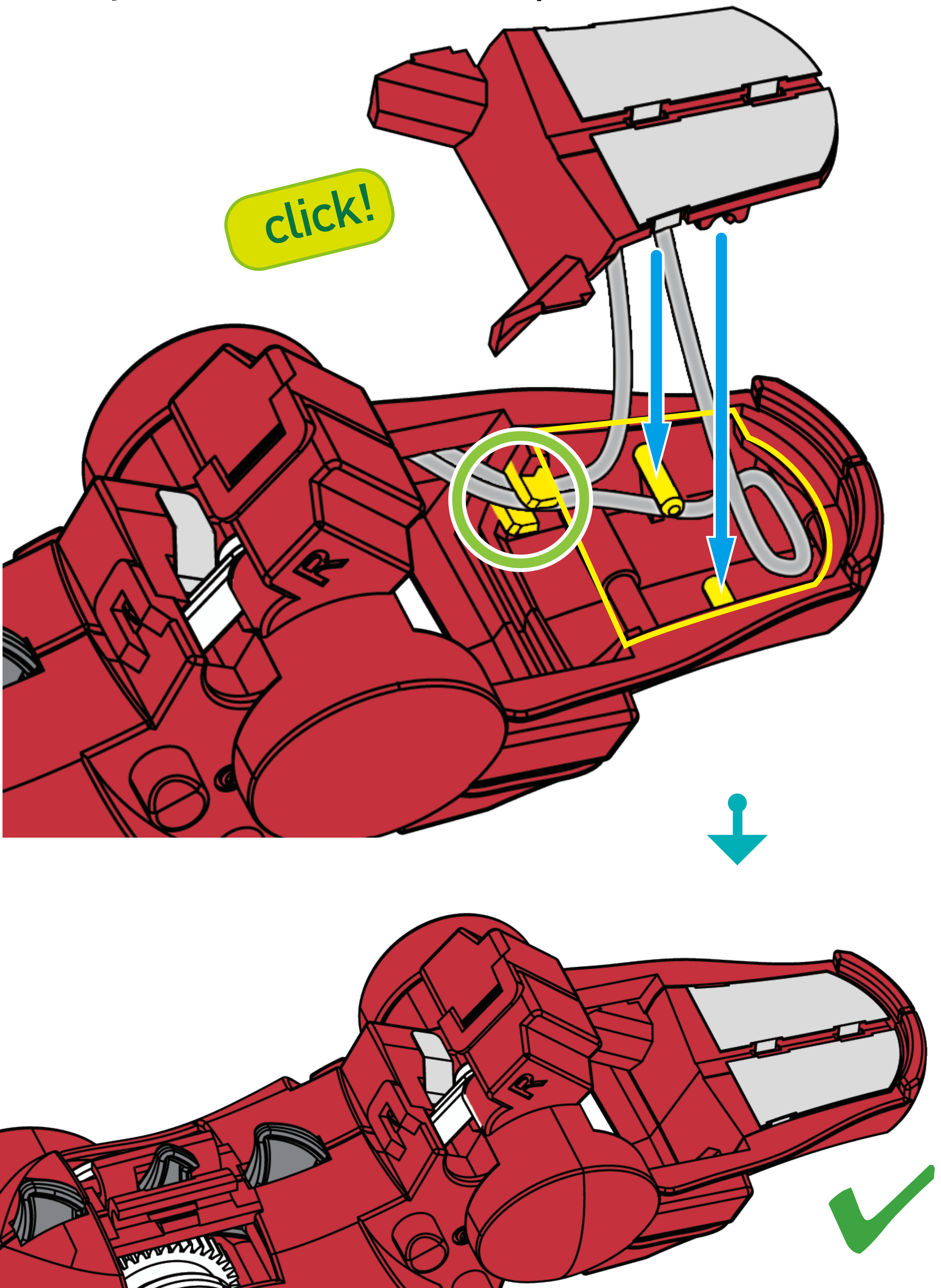
Bend the three contact clips toward the inside and press flat.





21

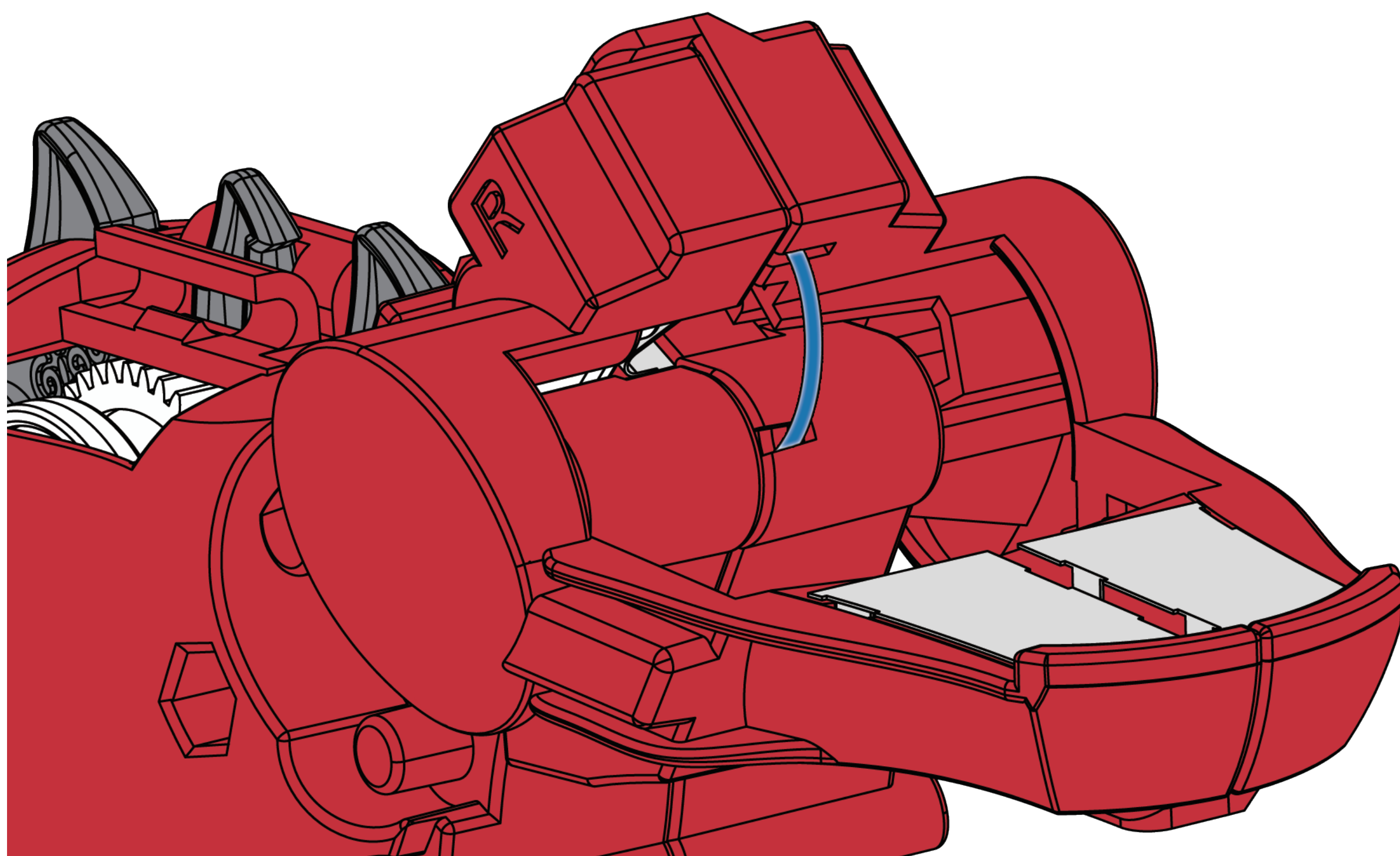
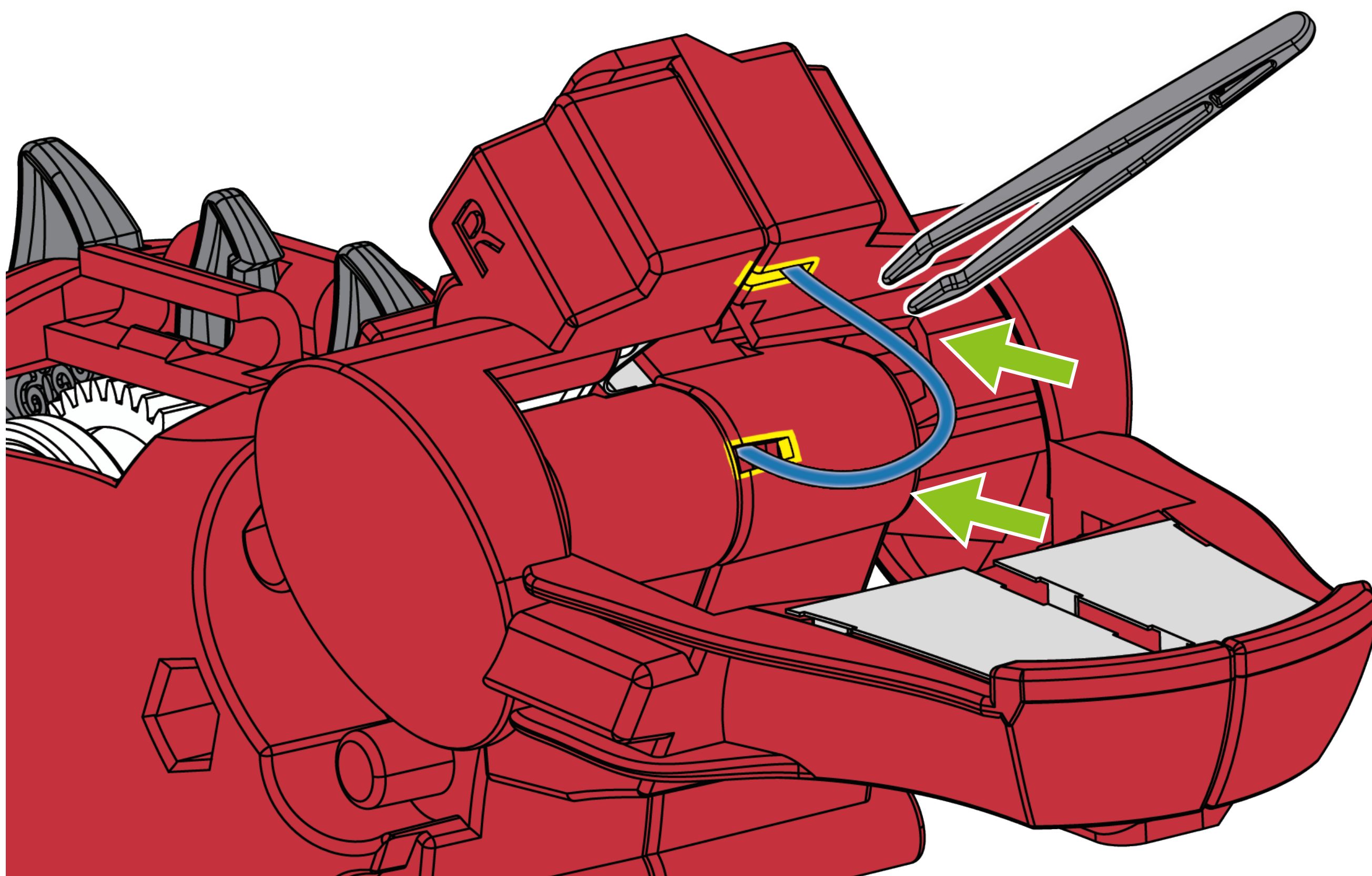
1. Pass the two gray cables under the tab marked in green then secure them under the two pegs marked in yellow.
2. Press the mouth interior down onto the pegs marked in yellow to fix it in place.



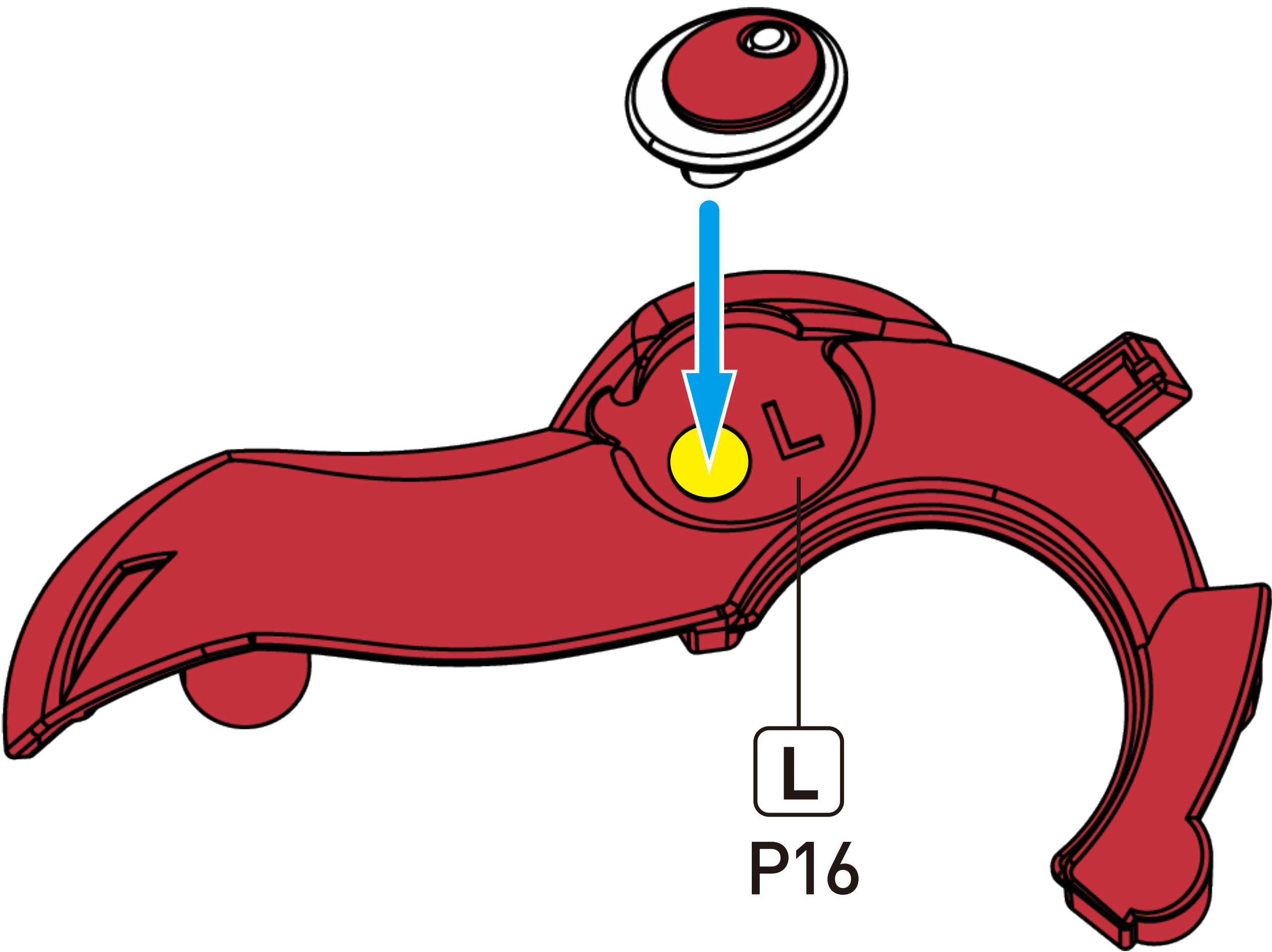
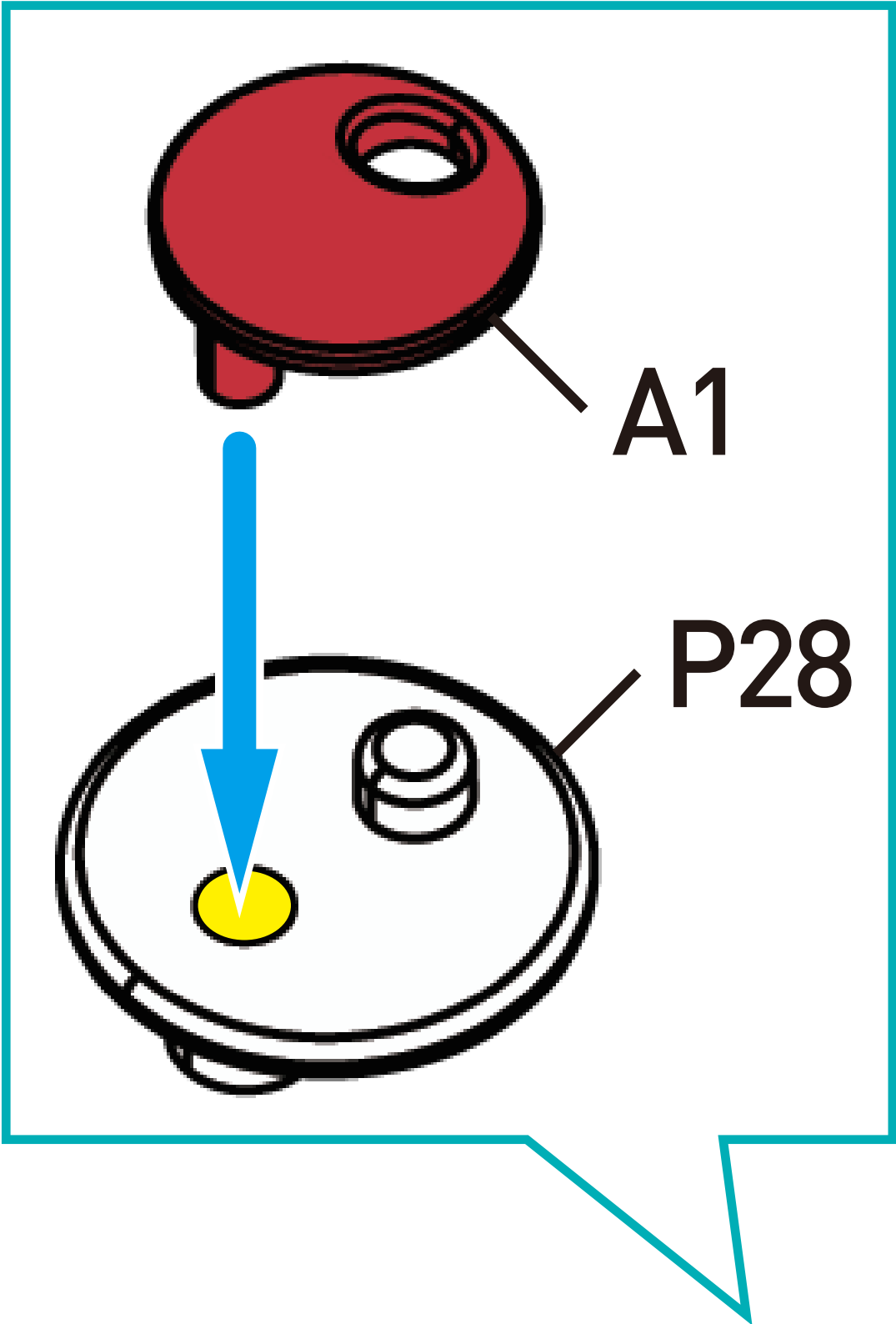


21

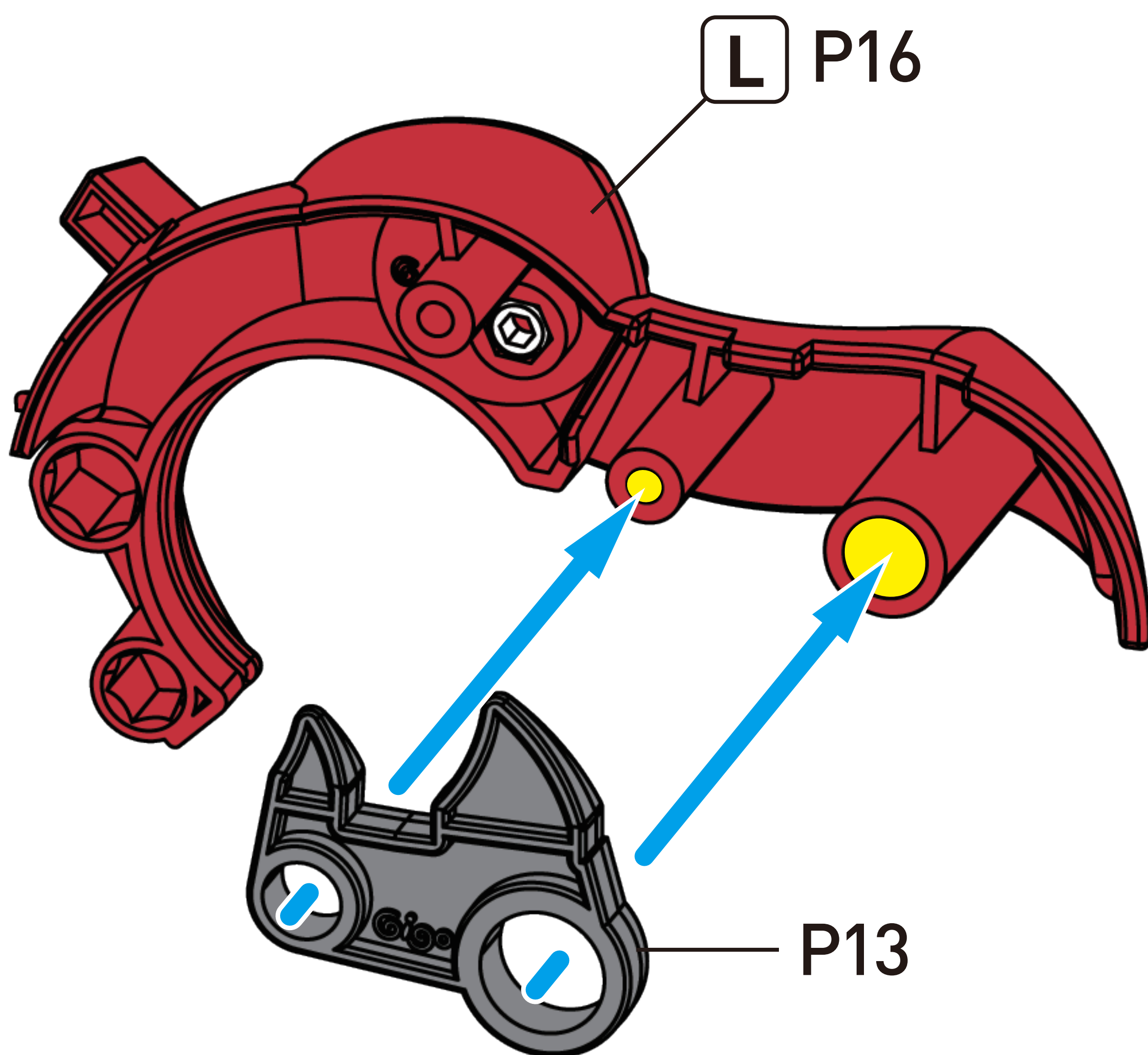
3. Push the blue cable into the two holes marked in yellow.



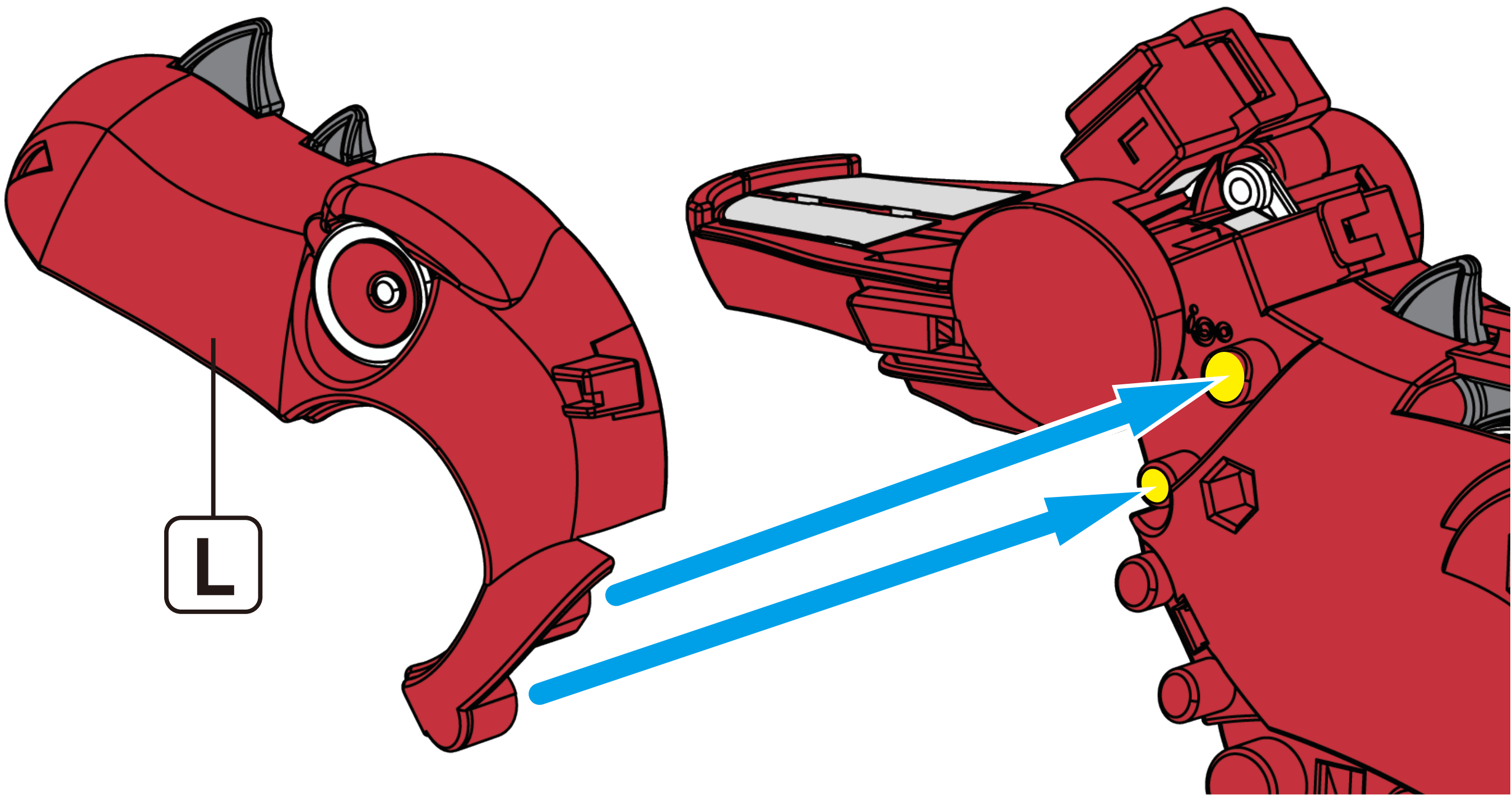




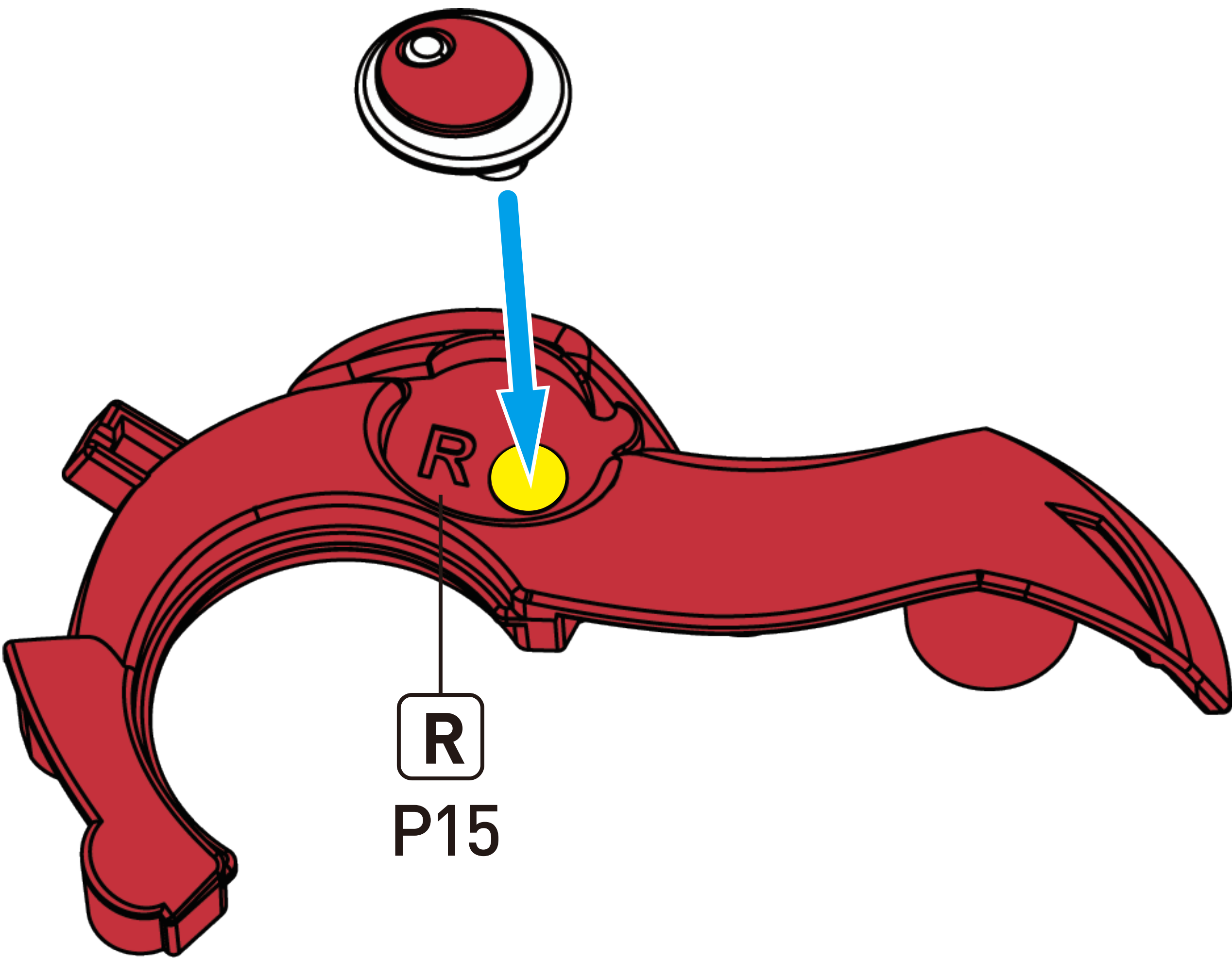
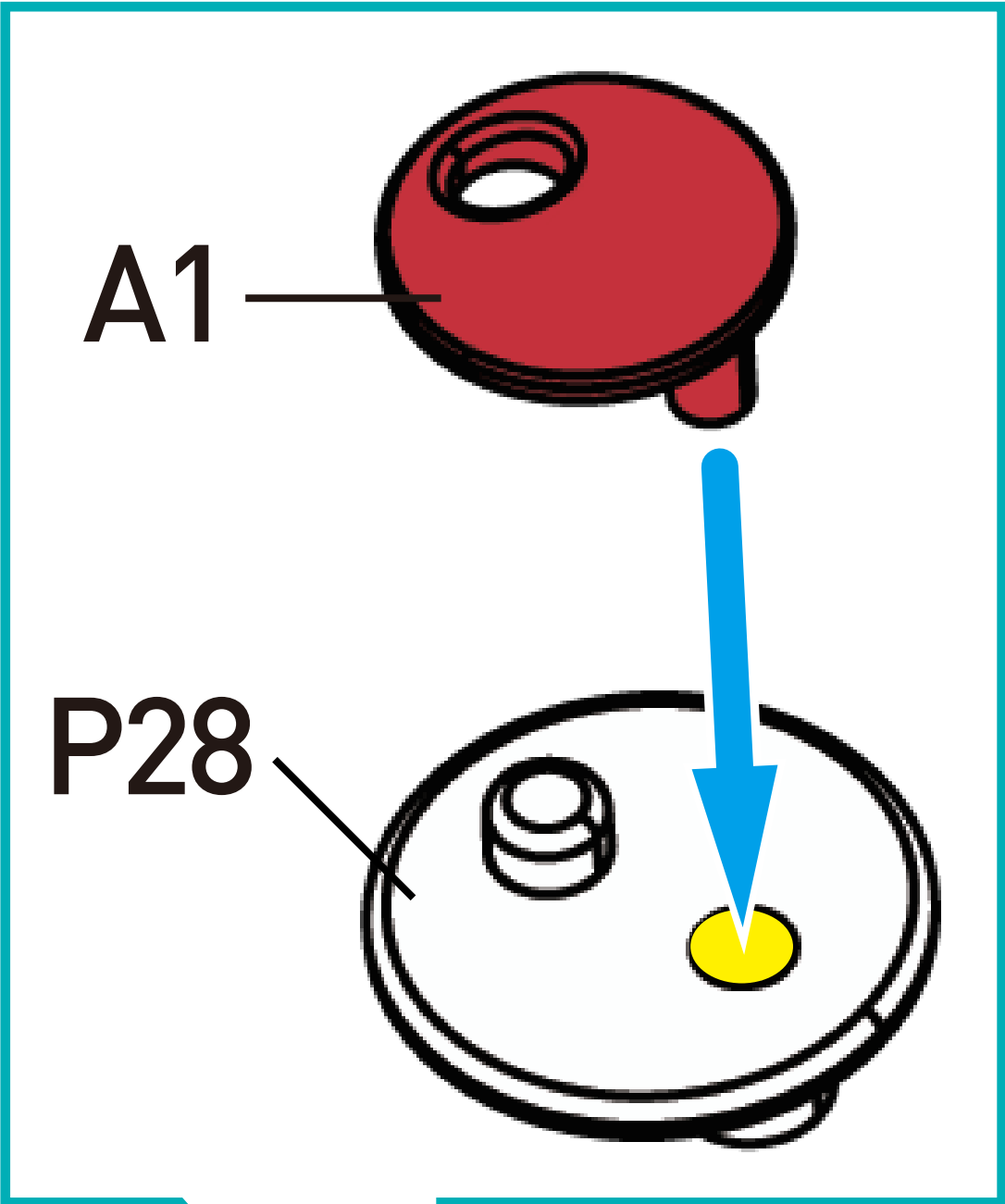




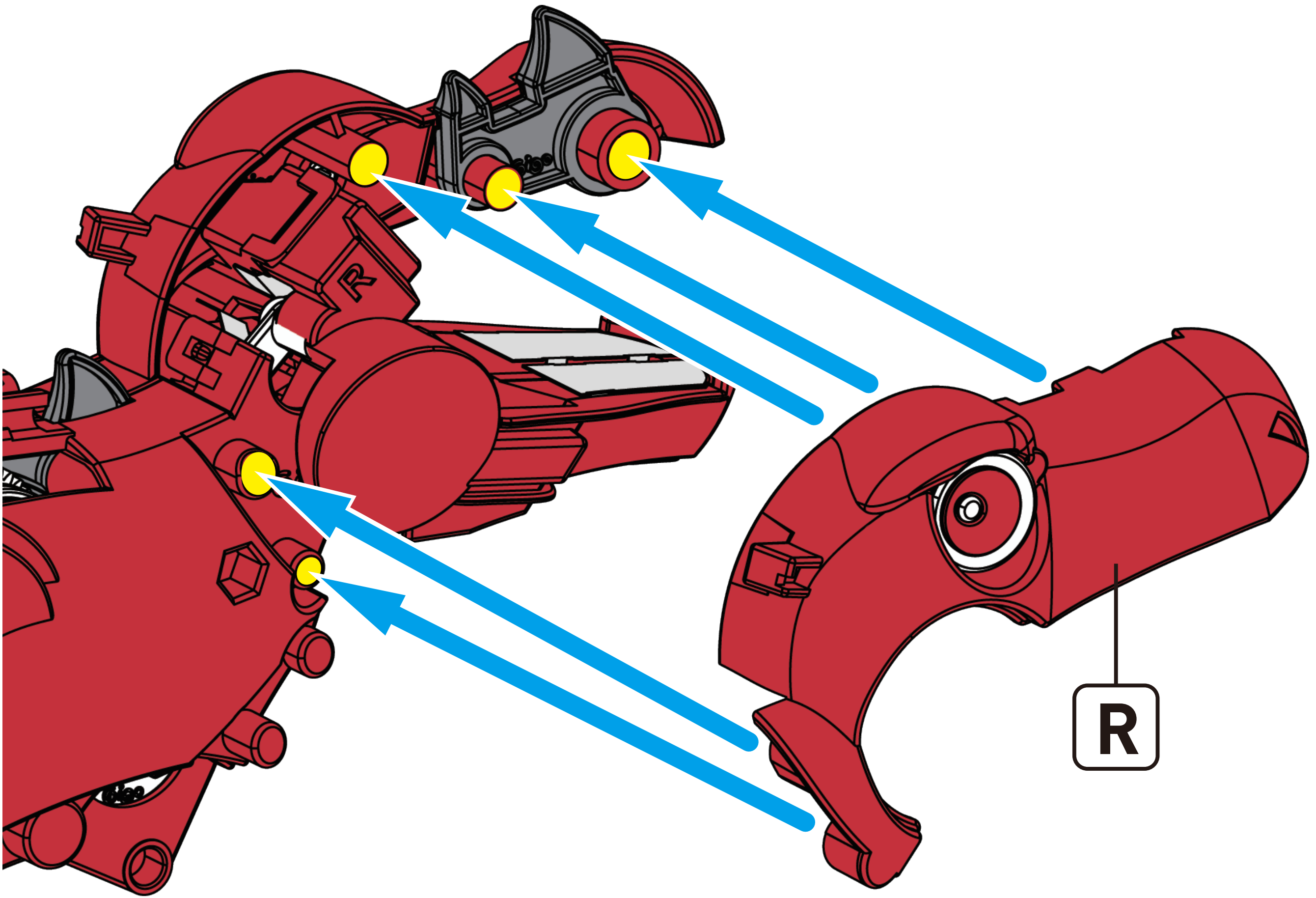




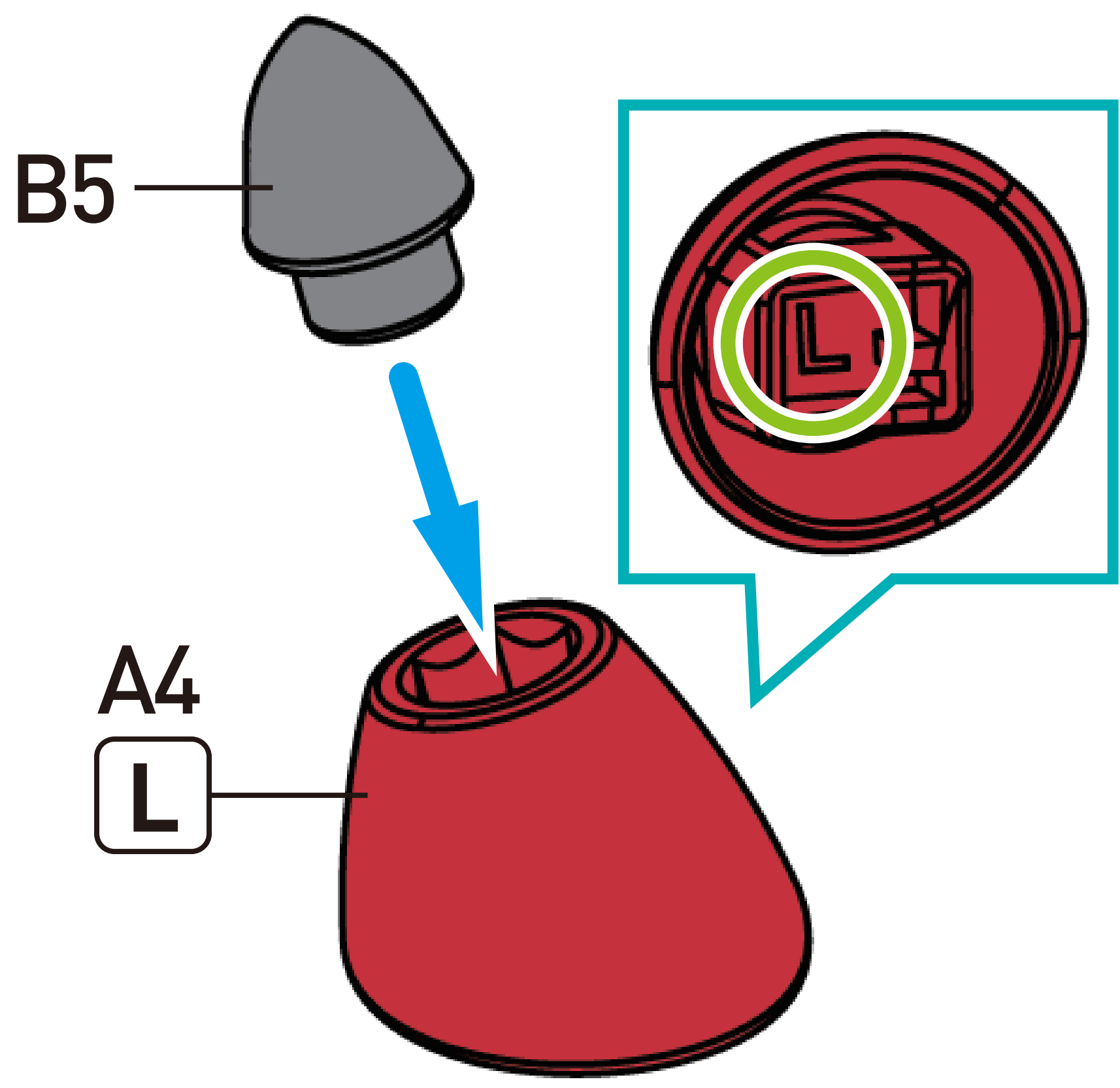
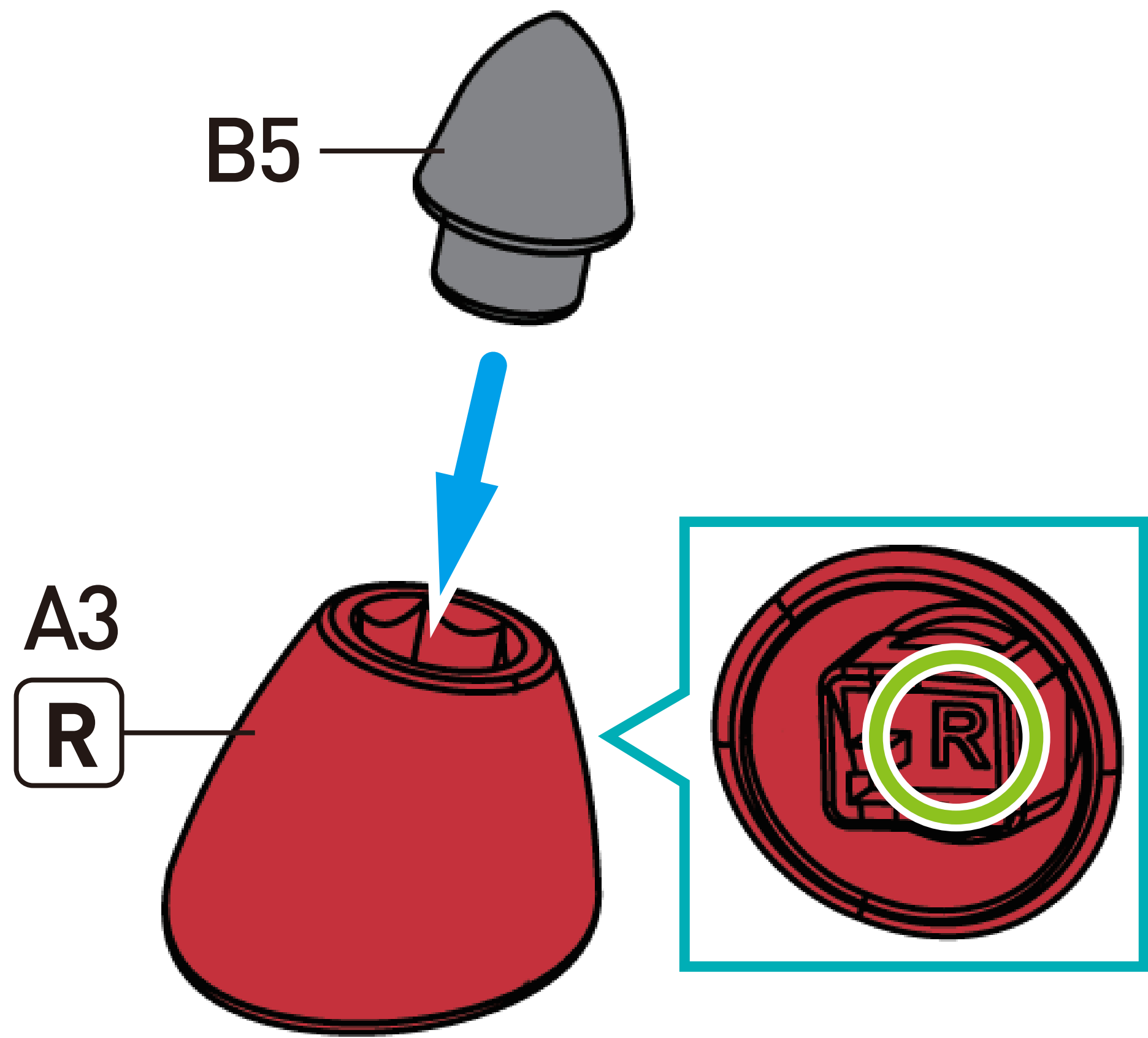




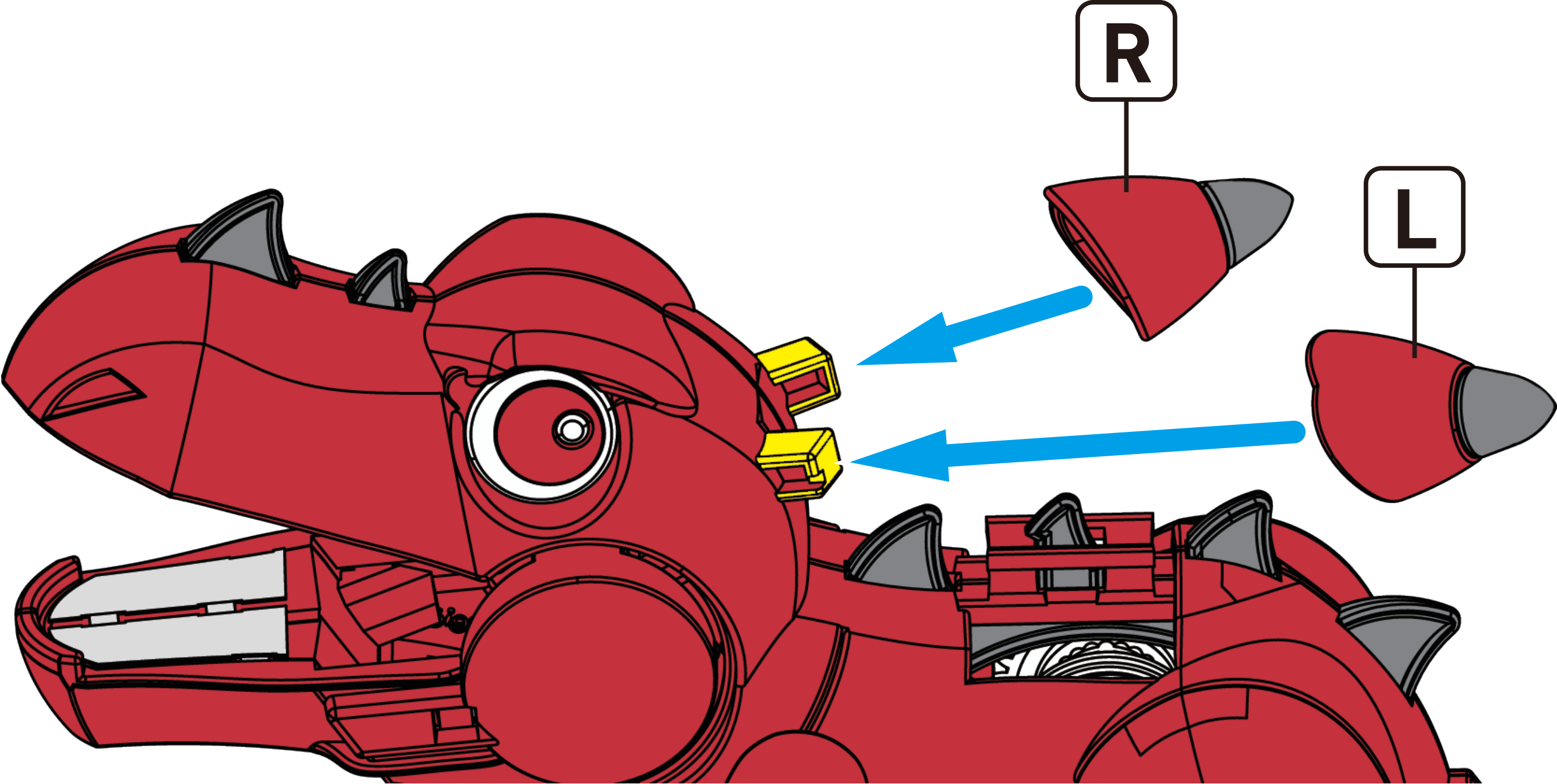




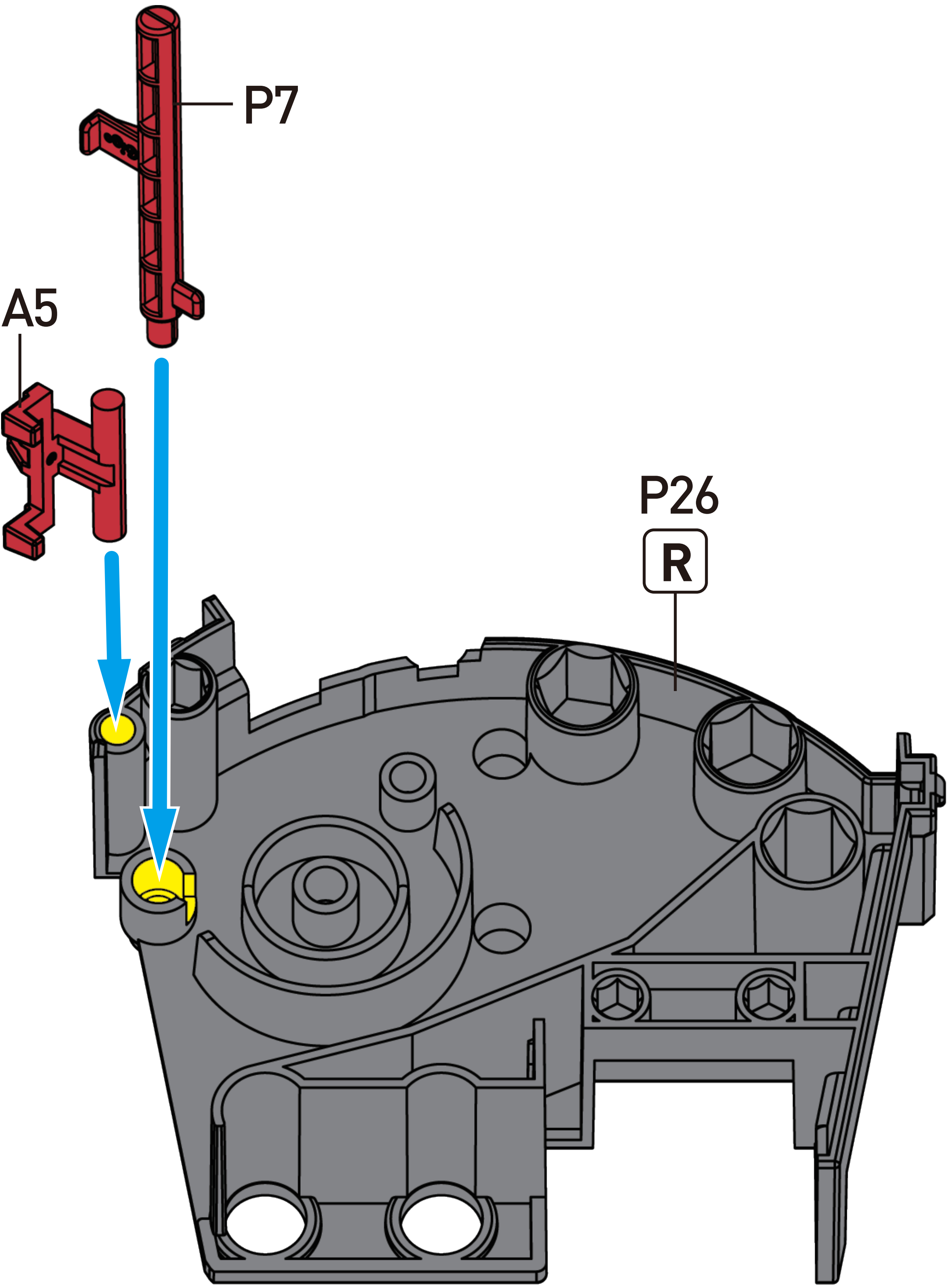






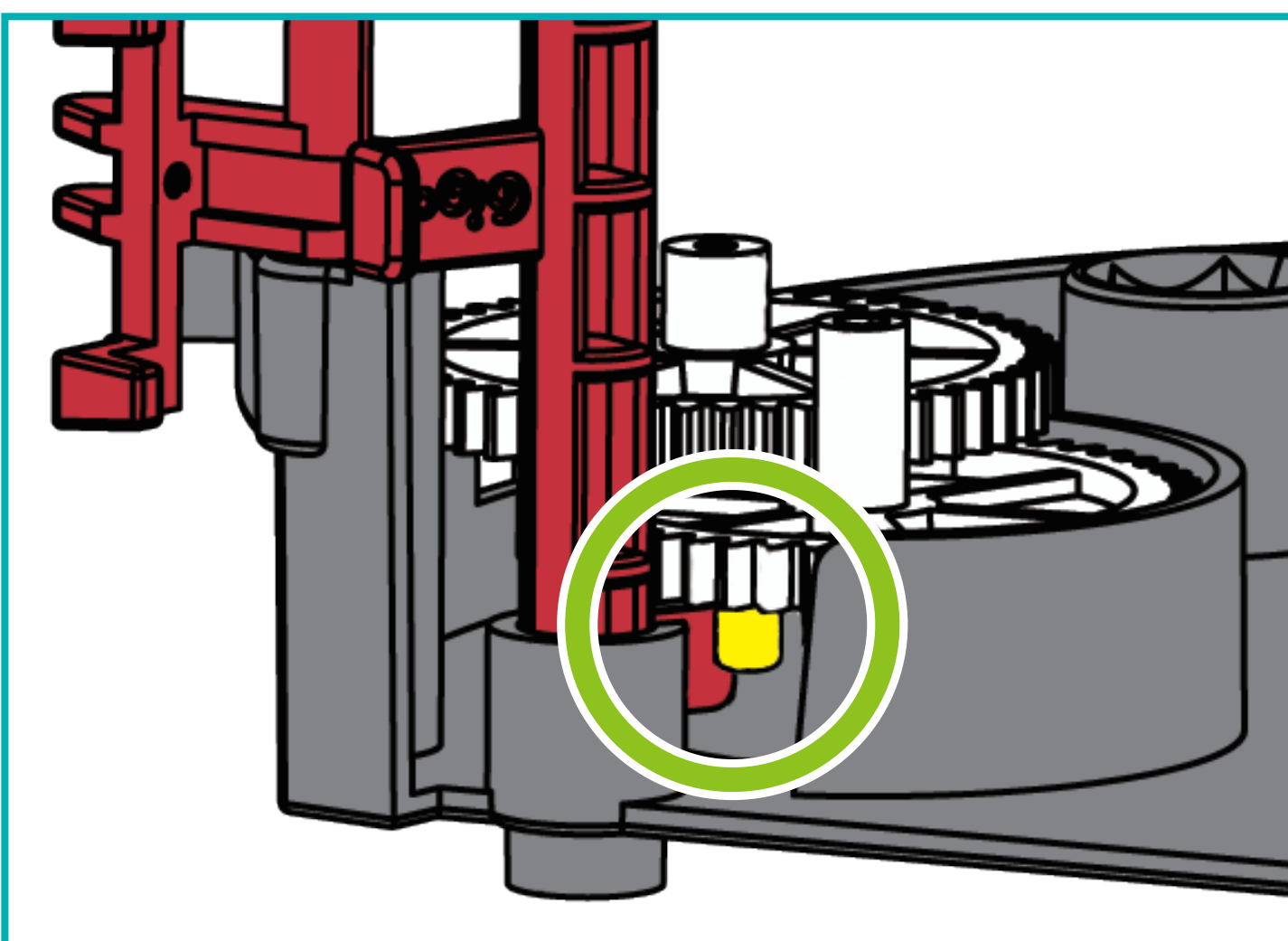
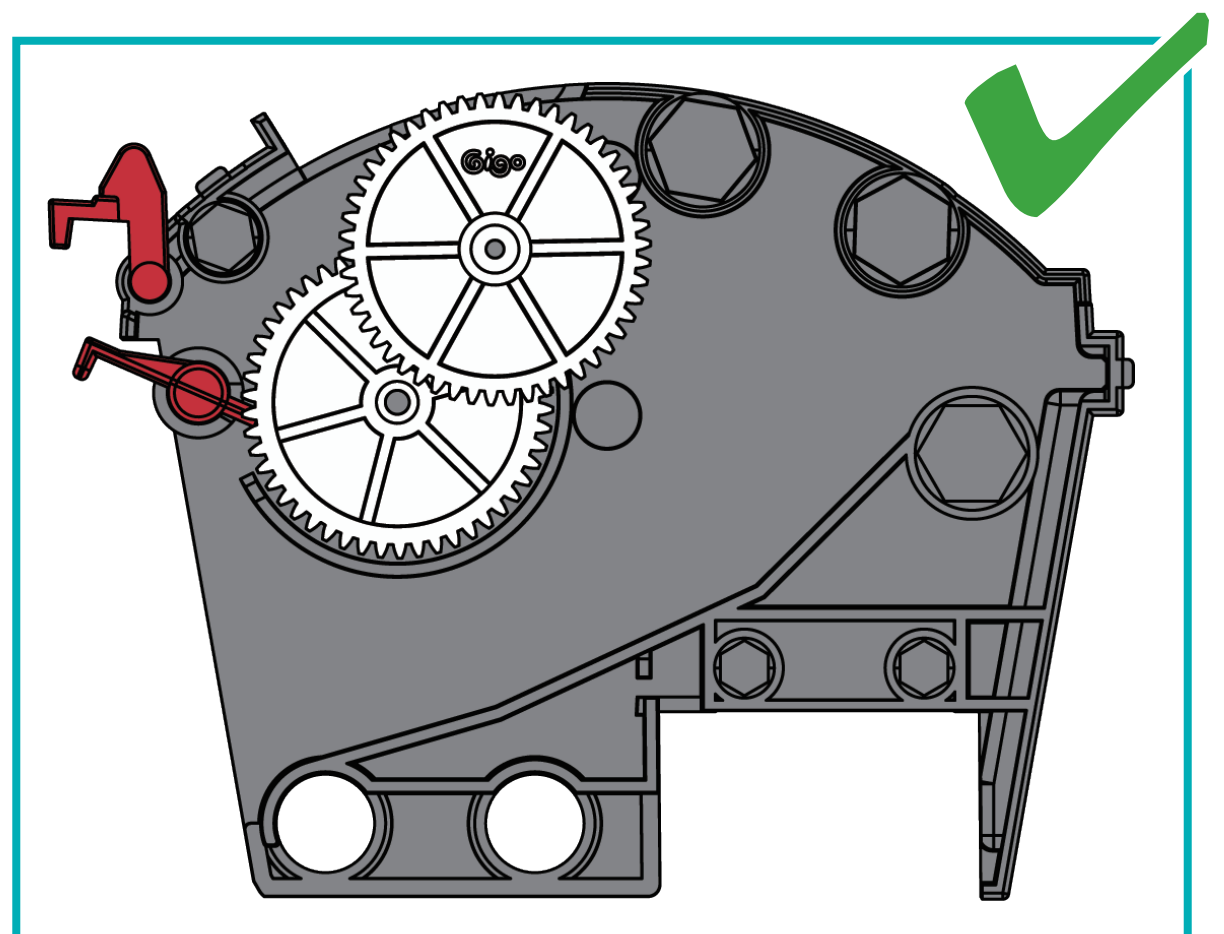
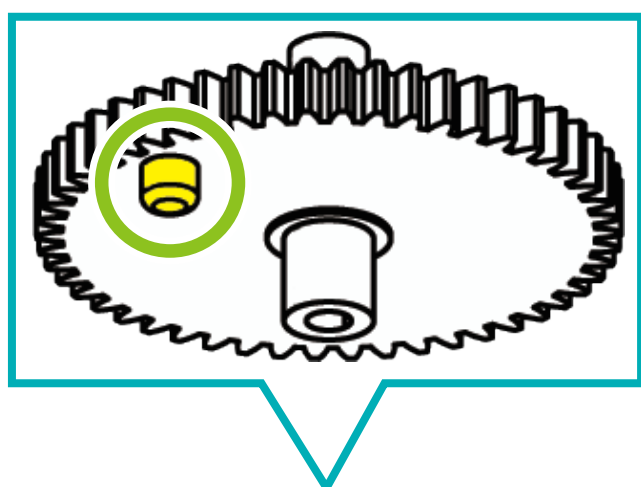
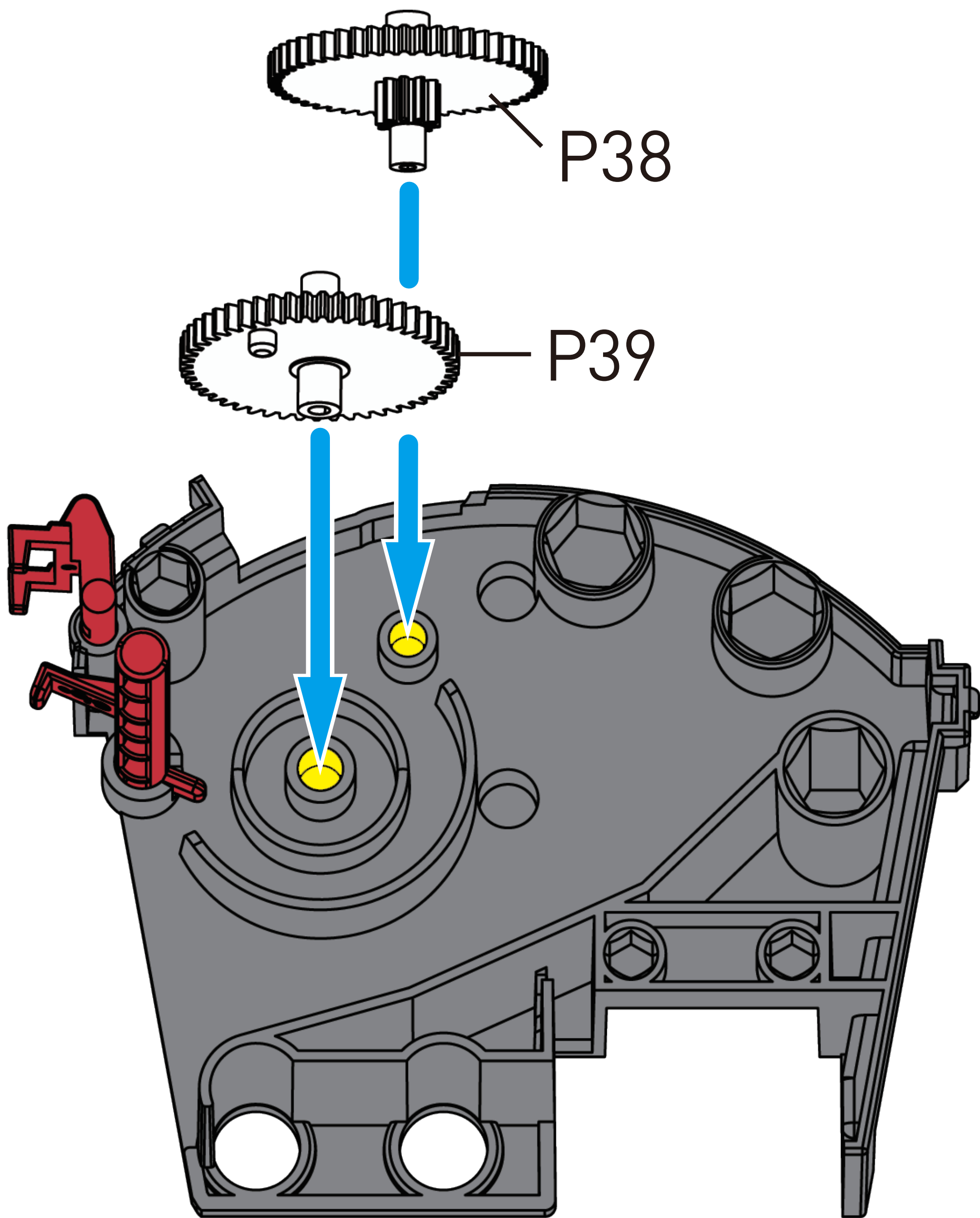




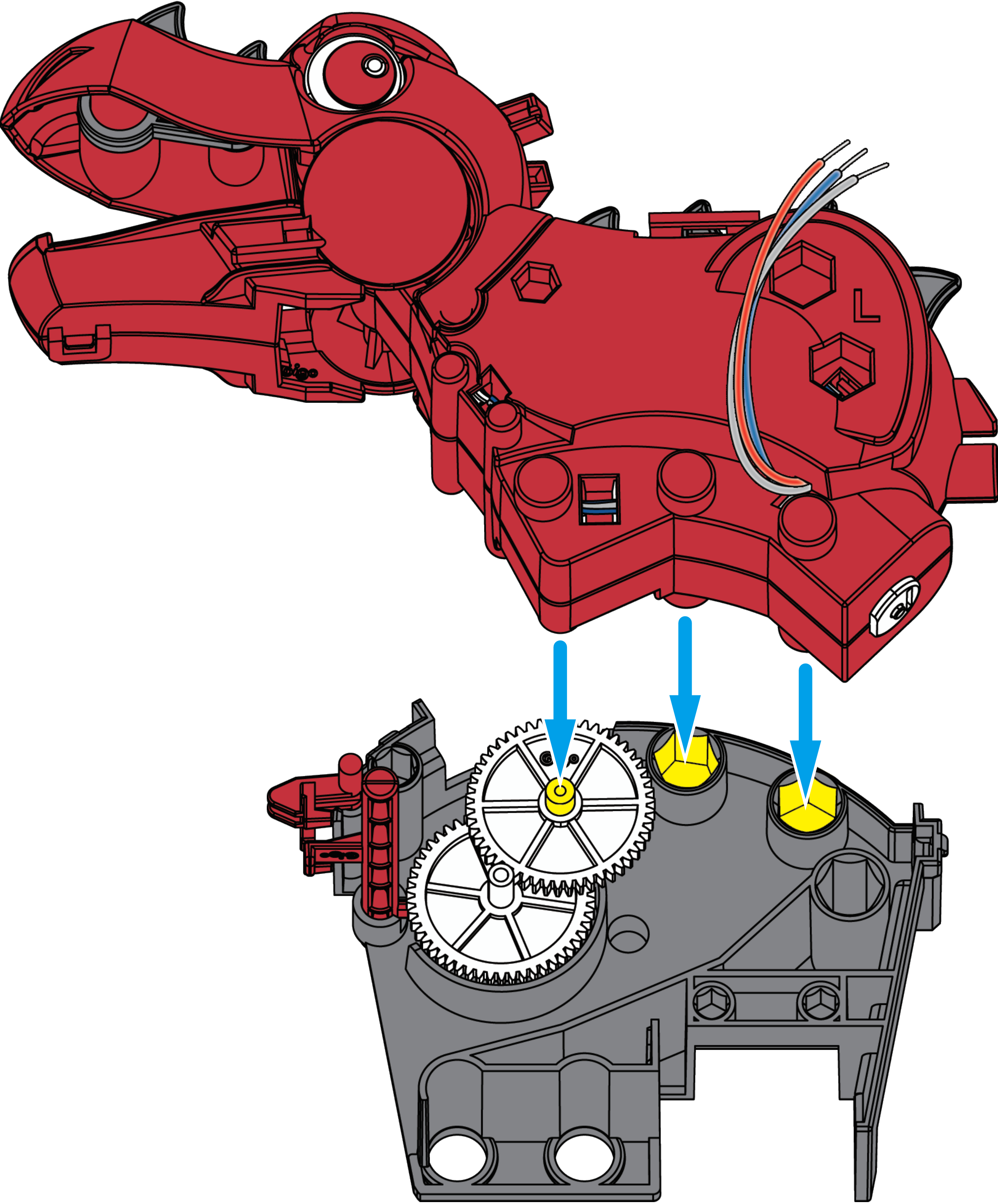




**29** The tab on the white gear marked in green must touch the tab on the red rod.

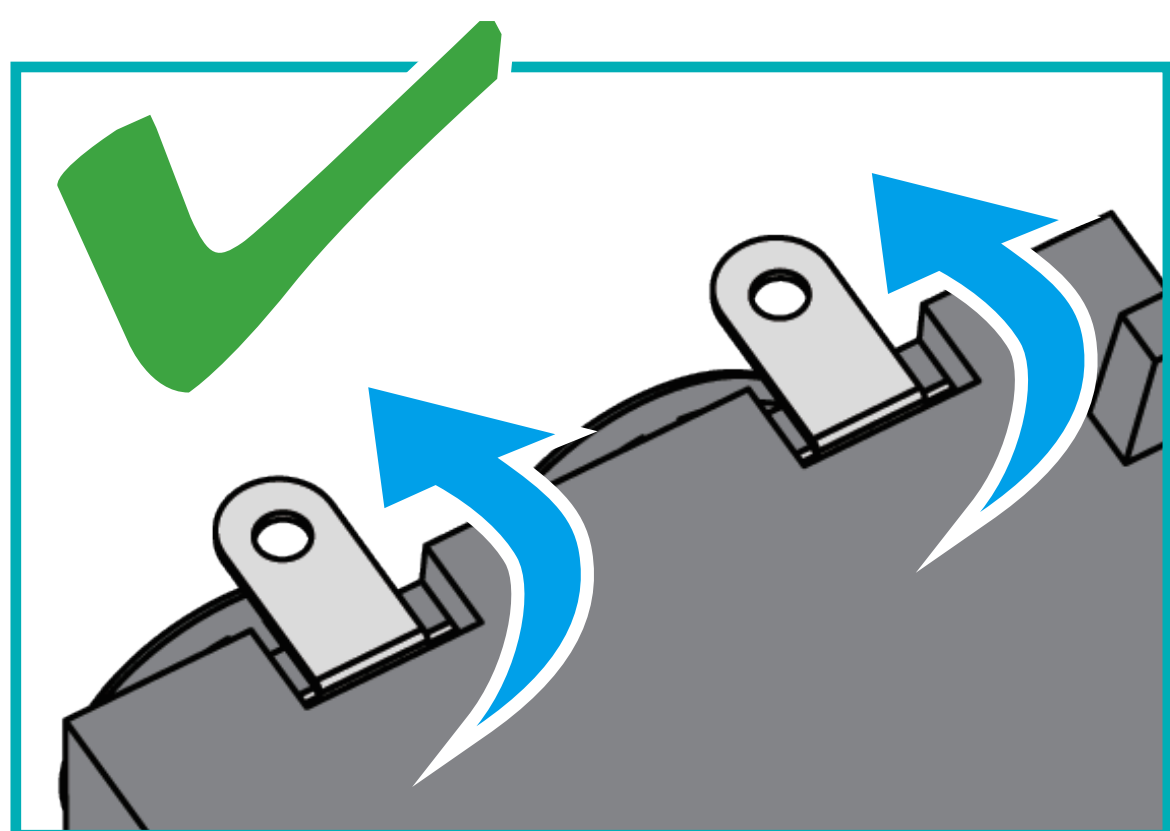
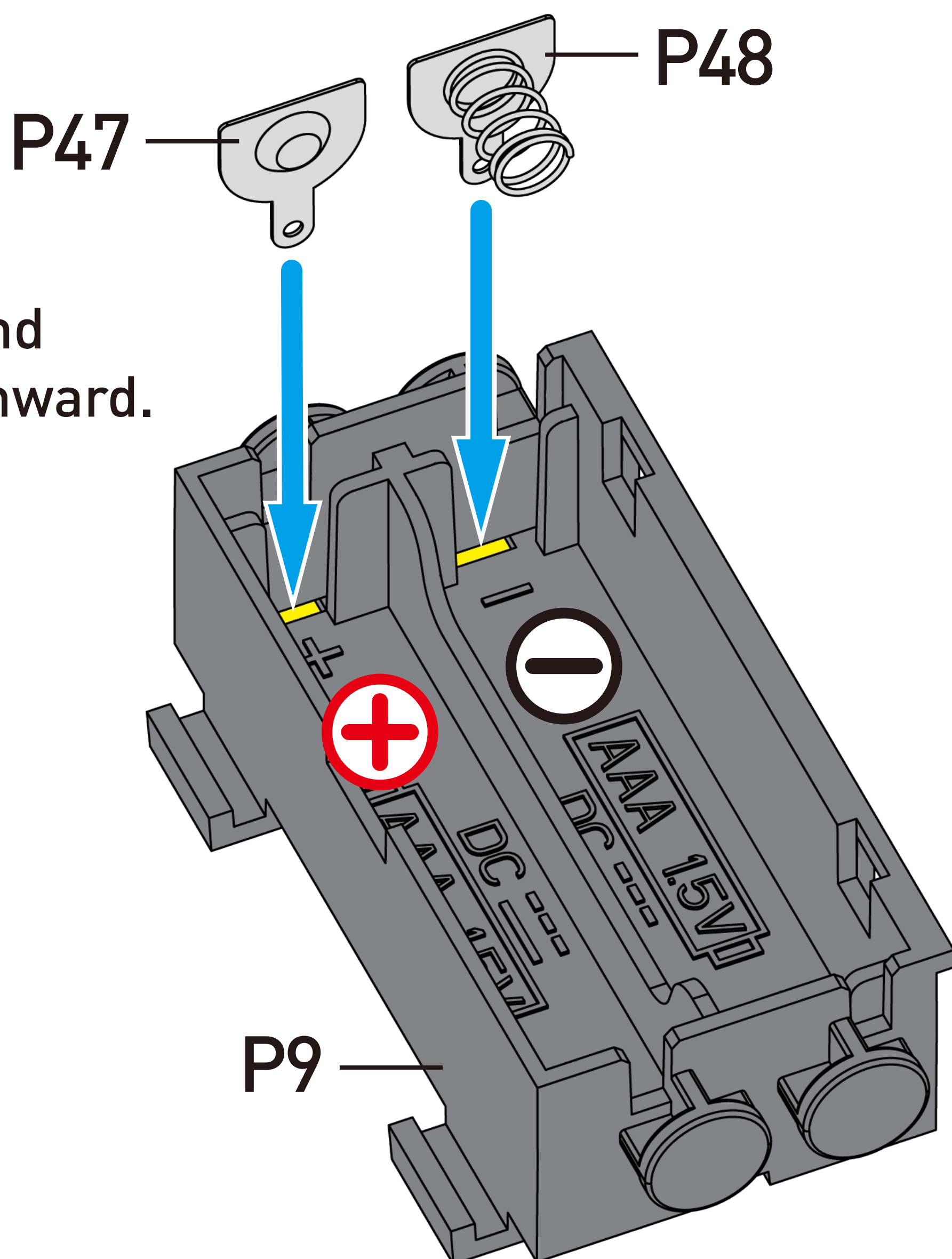




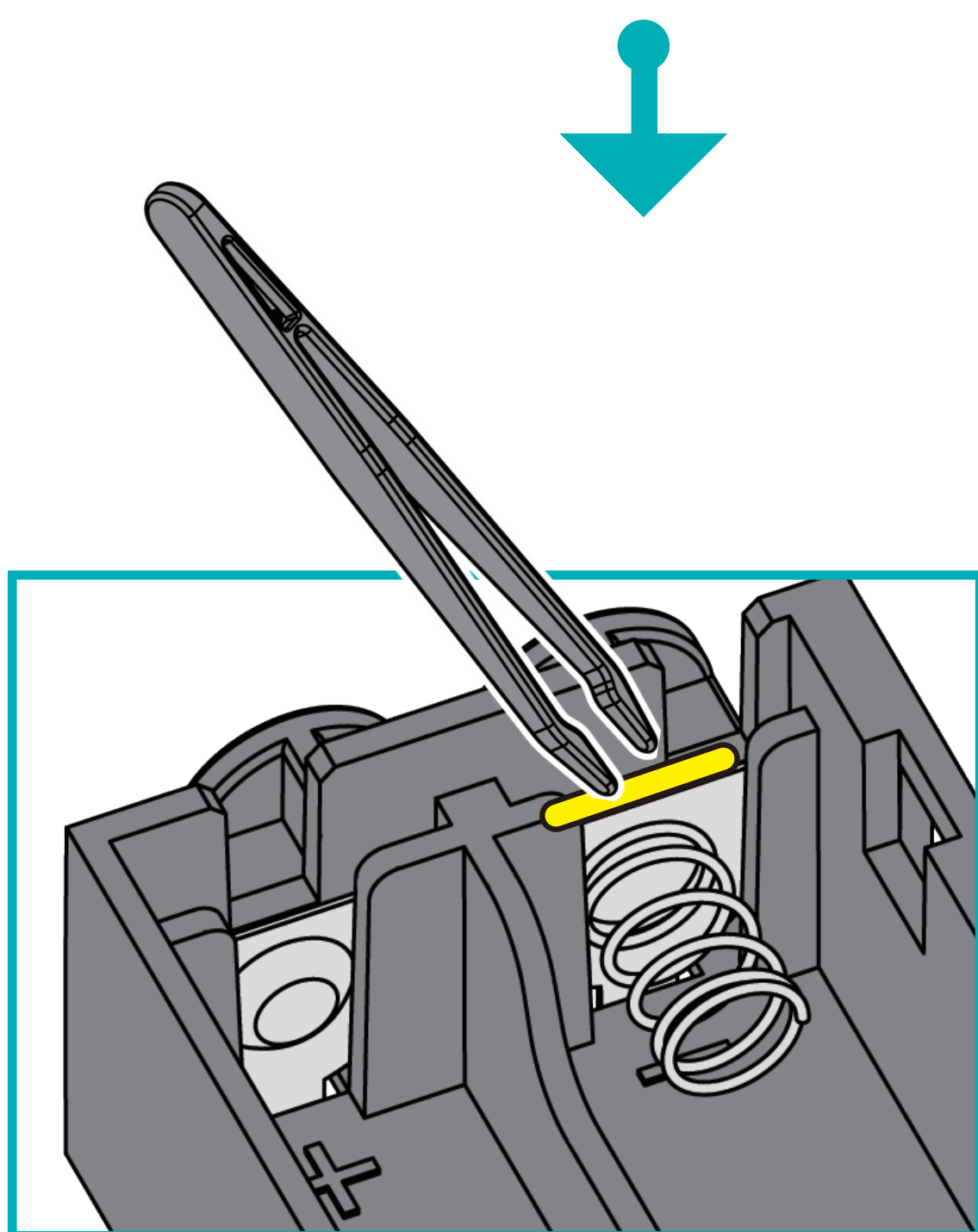




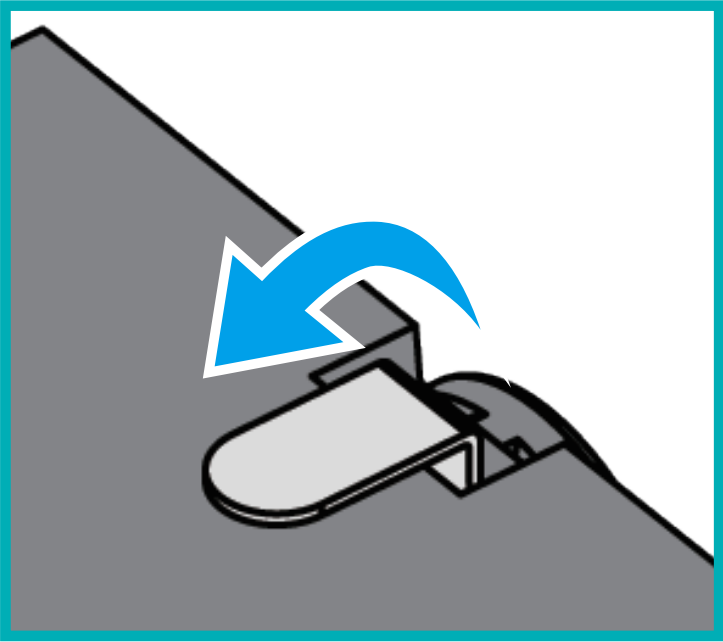
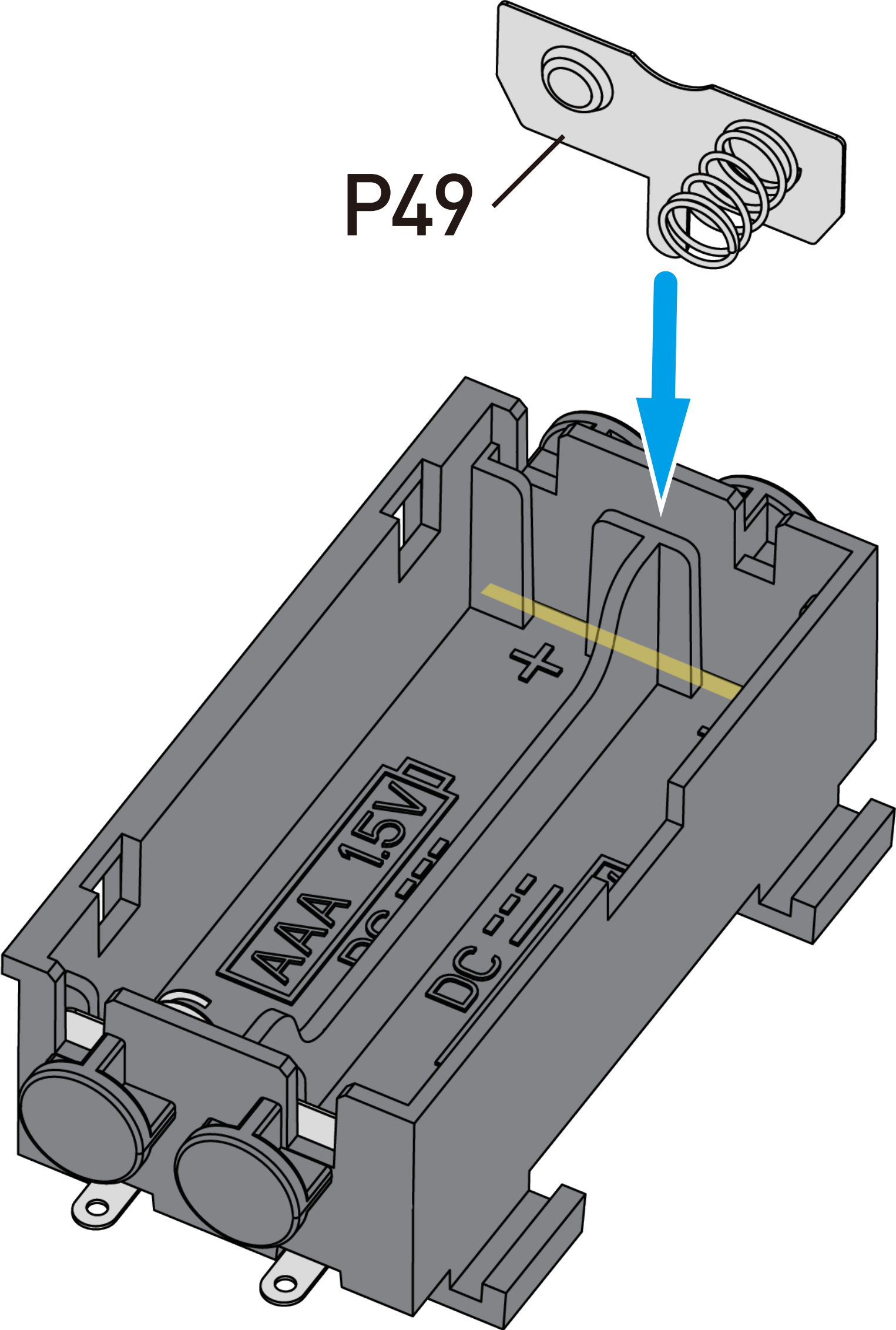
The spring and bulge point inward.



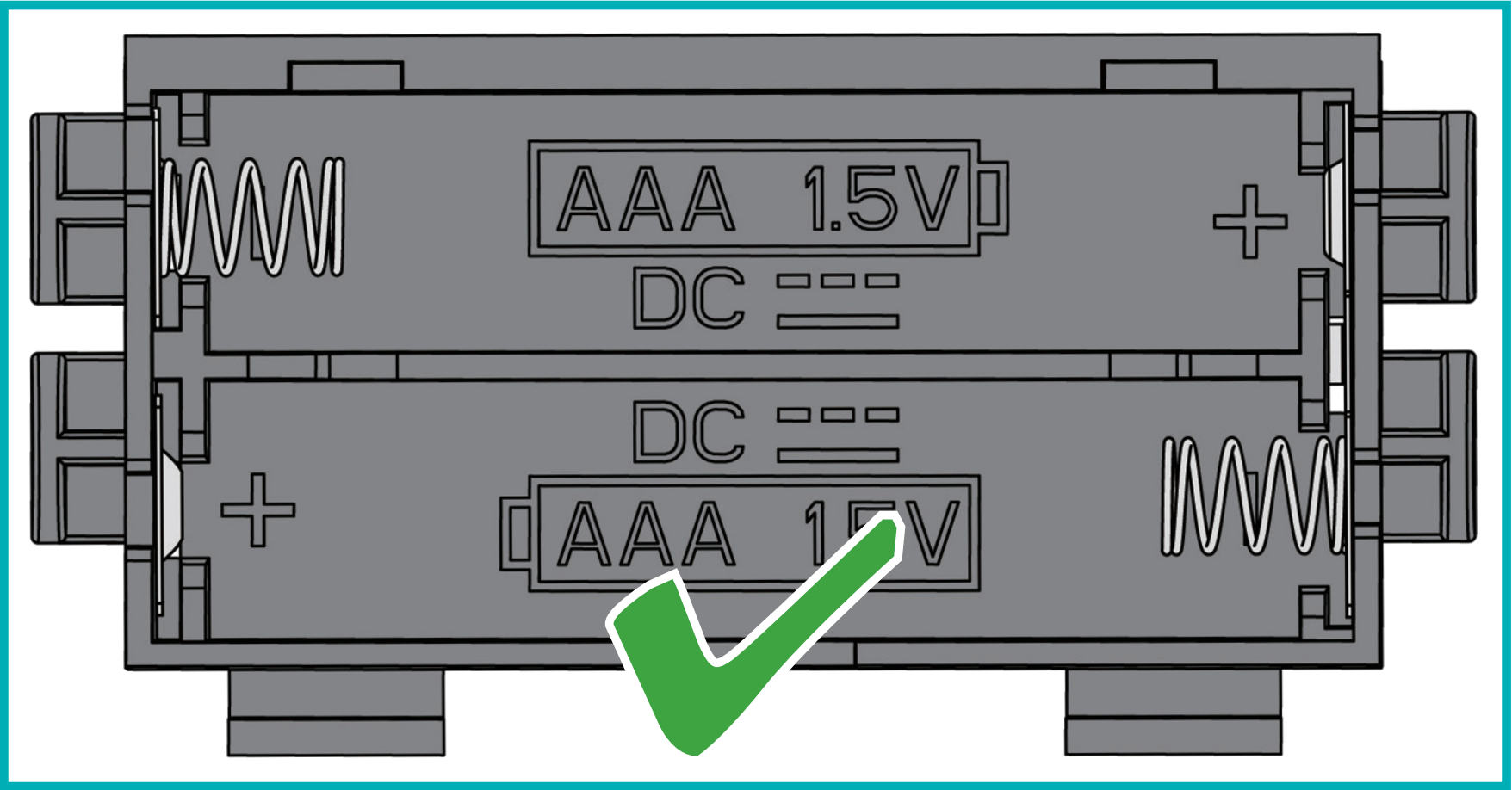
Bend the tabs of the contacts outward at a 90° angle.



Push the contacts firmly all the way down with the tweezers.



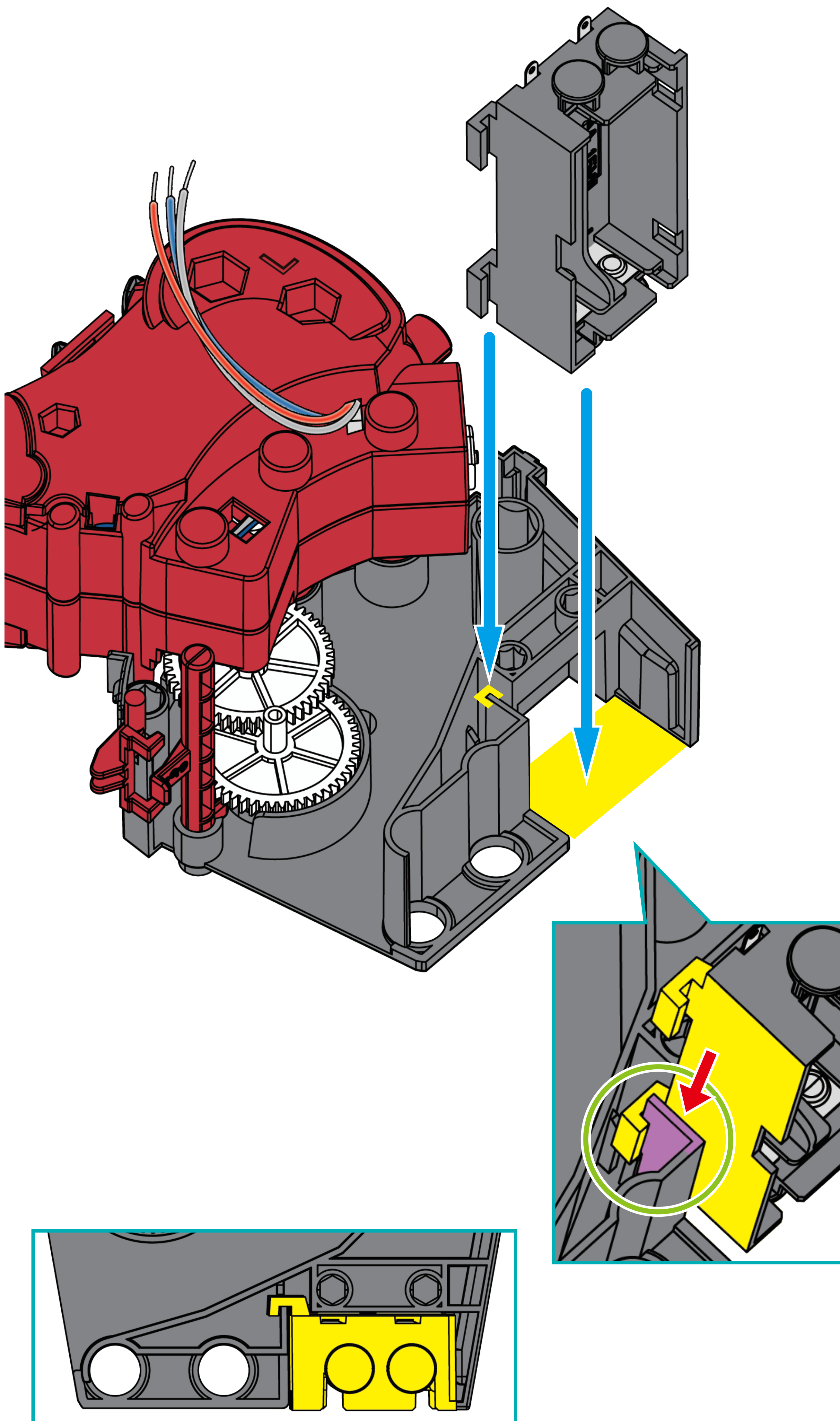
Bend the tab of the contact





33

Slot the tray in along the guide rail.





34

Push the nut (P40) all the way in.

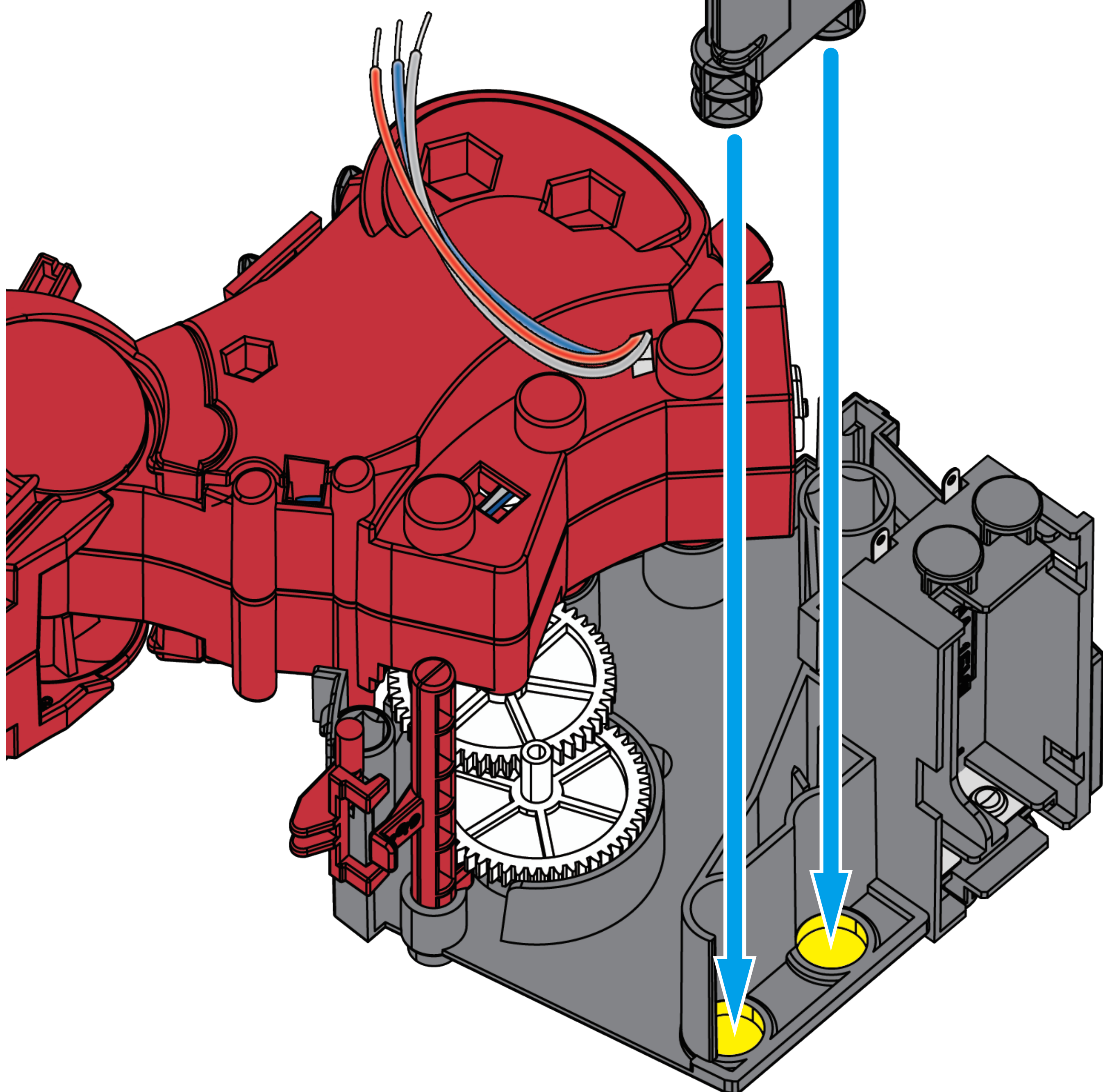
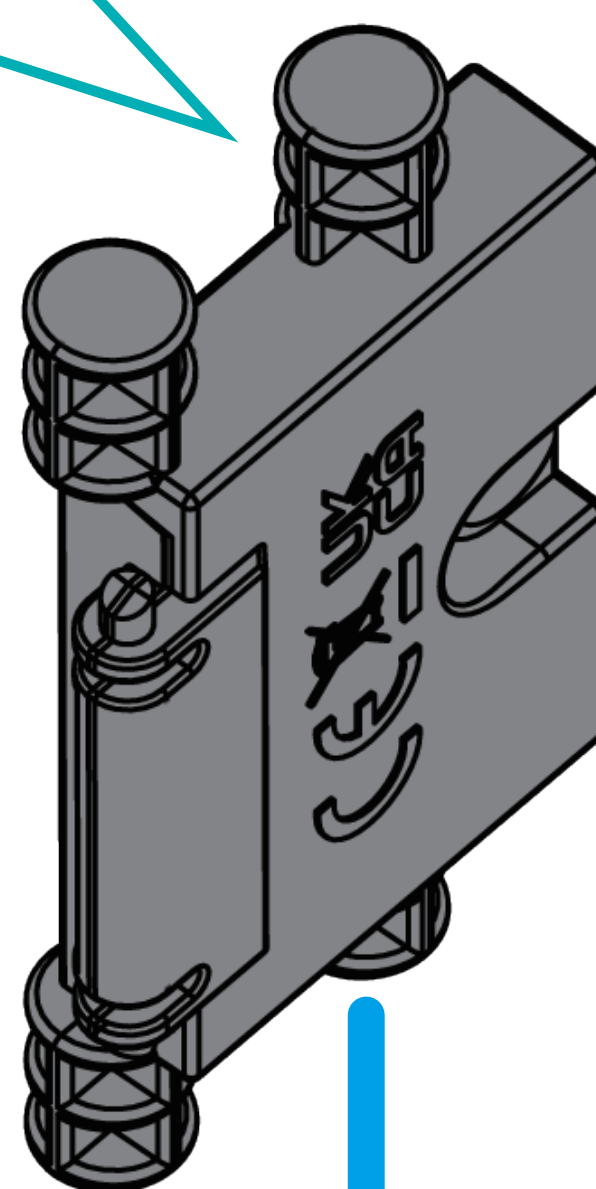
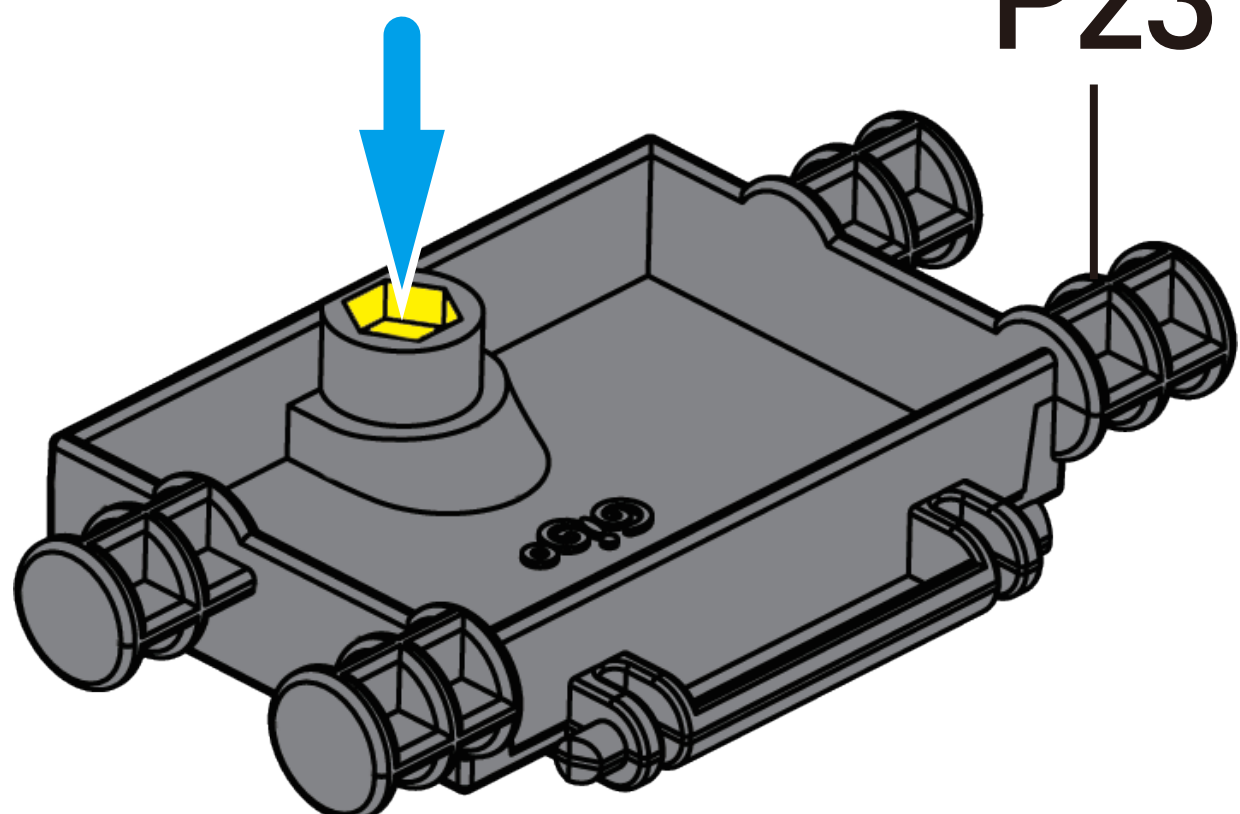


Do not forget  
the nut (P40)!

P40



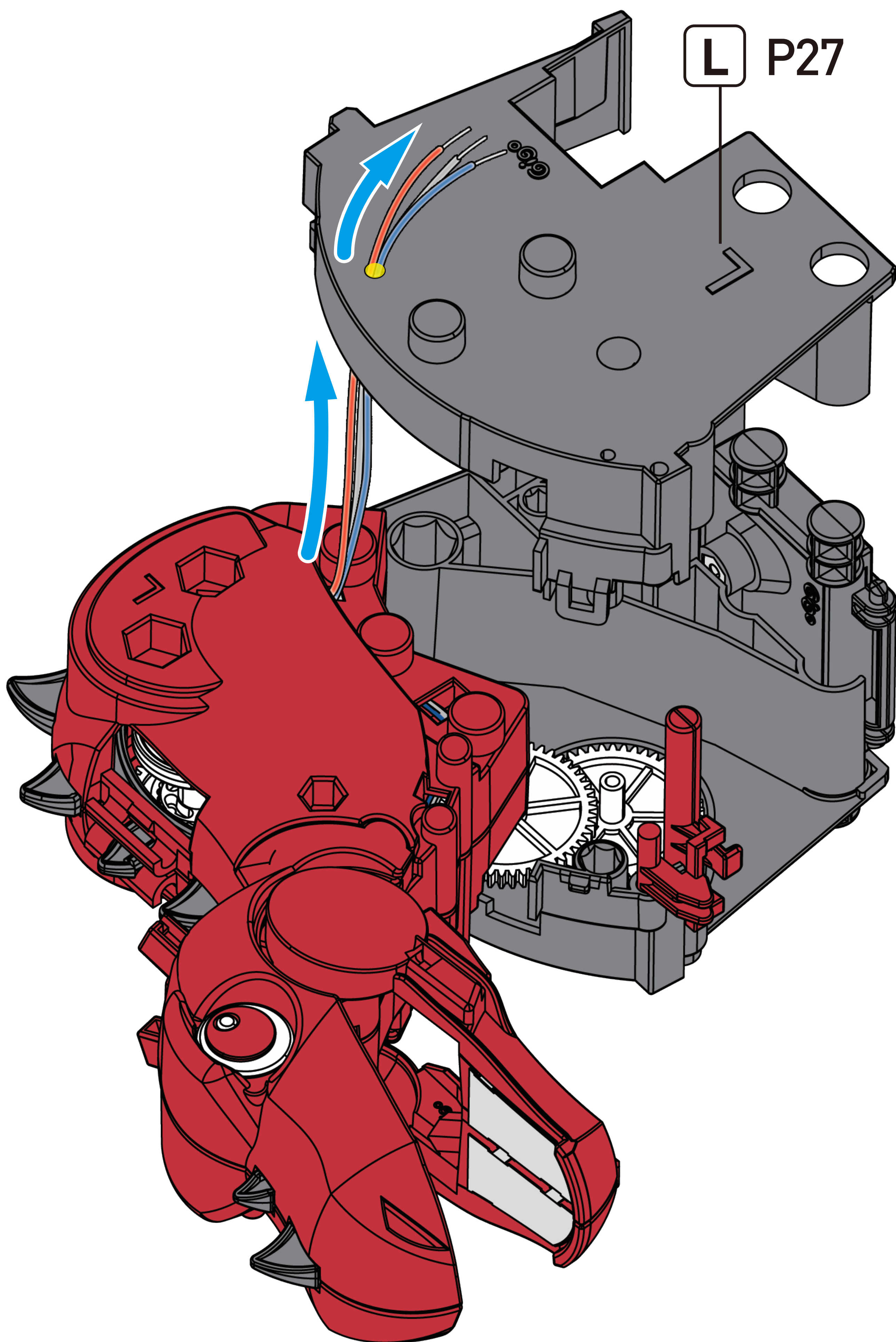
P23





**35**

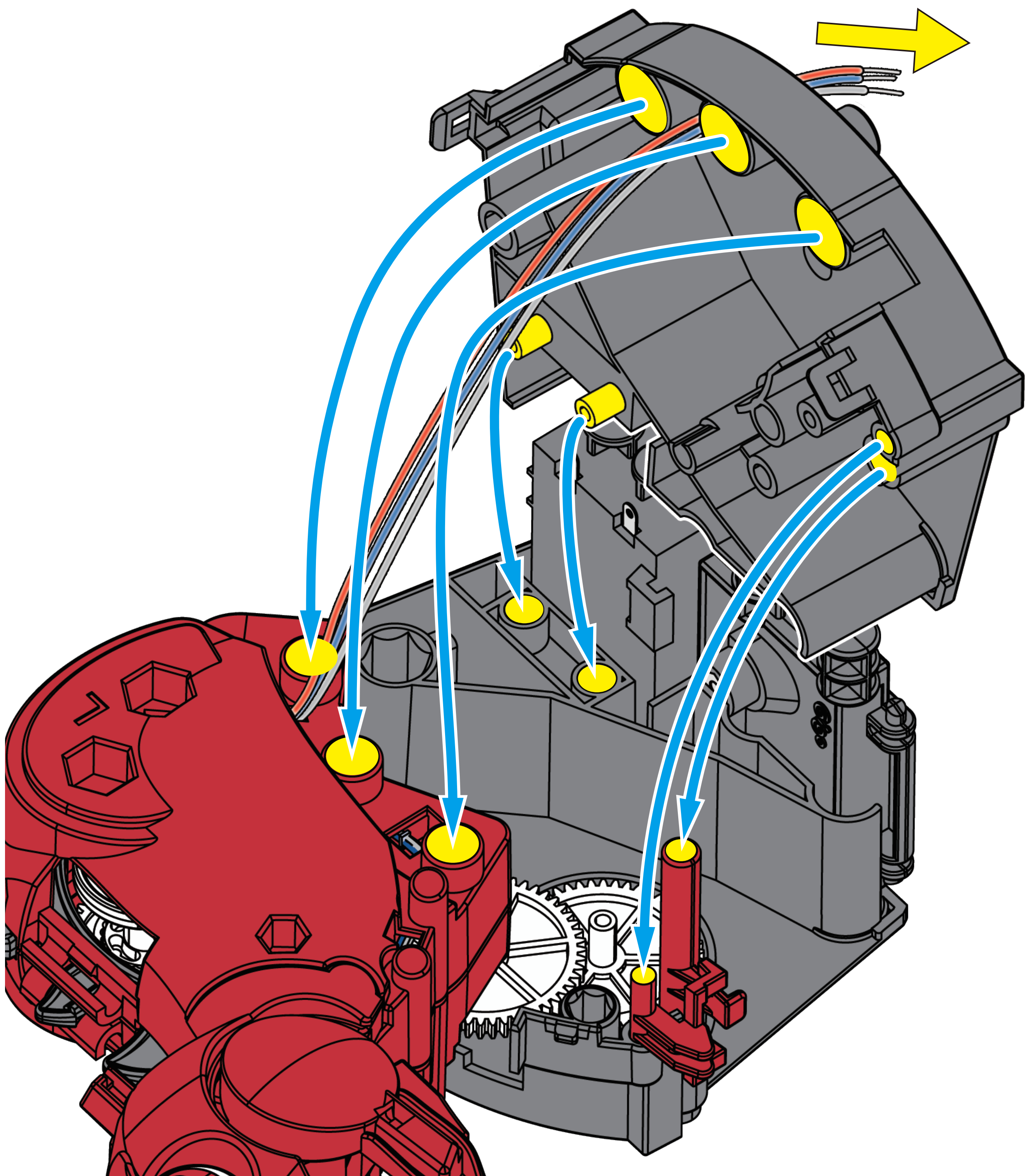
Insert the three cables (red, blue and gray) through the hole marked in yellow.



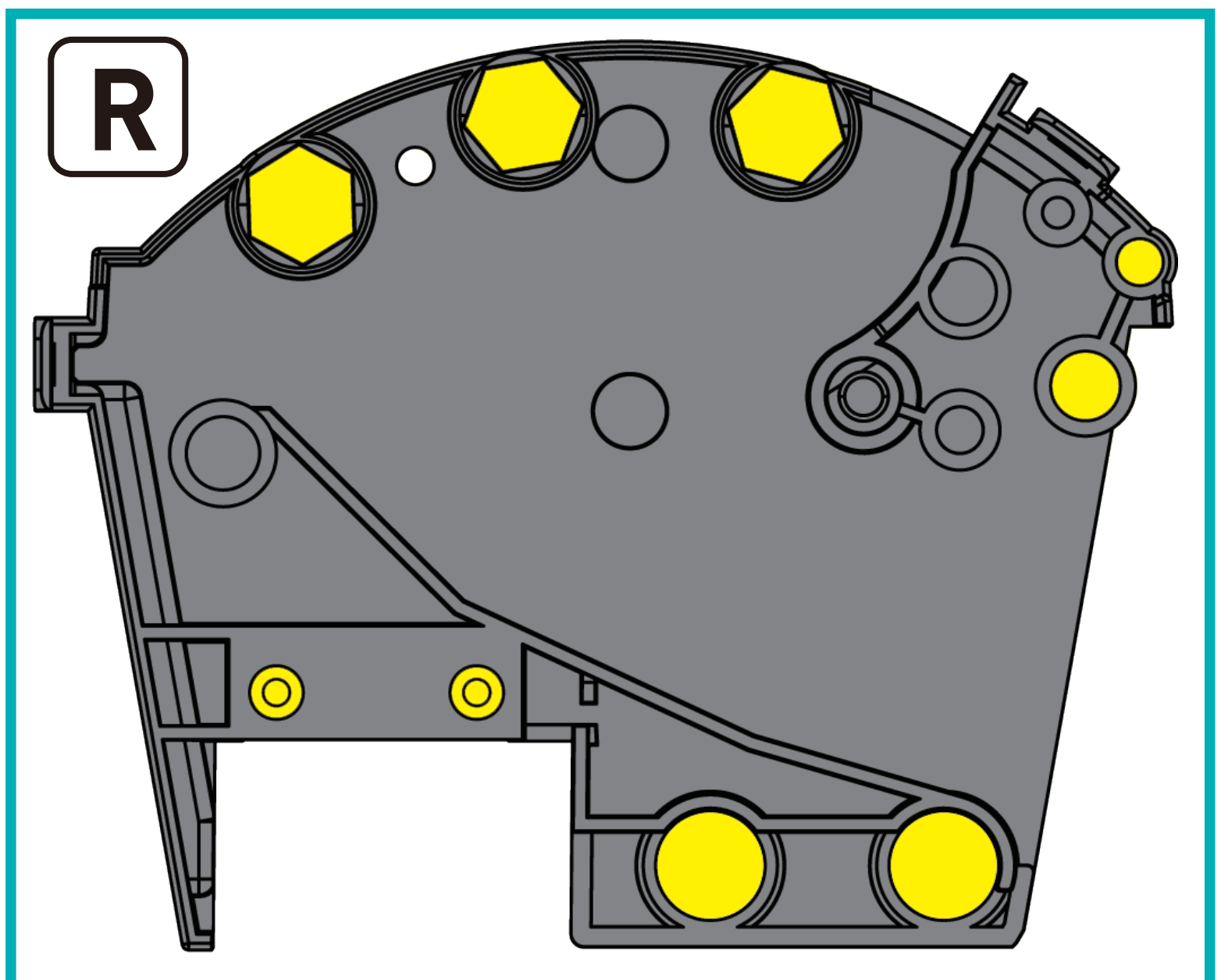


36

After assembling, pull the cables through as far as they go.



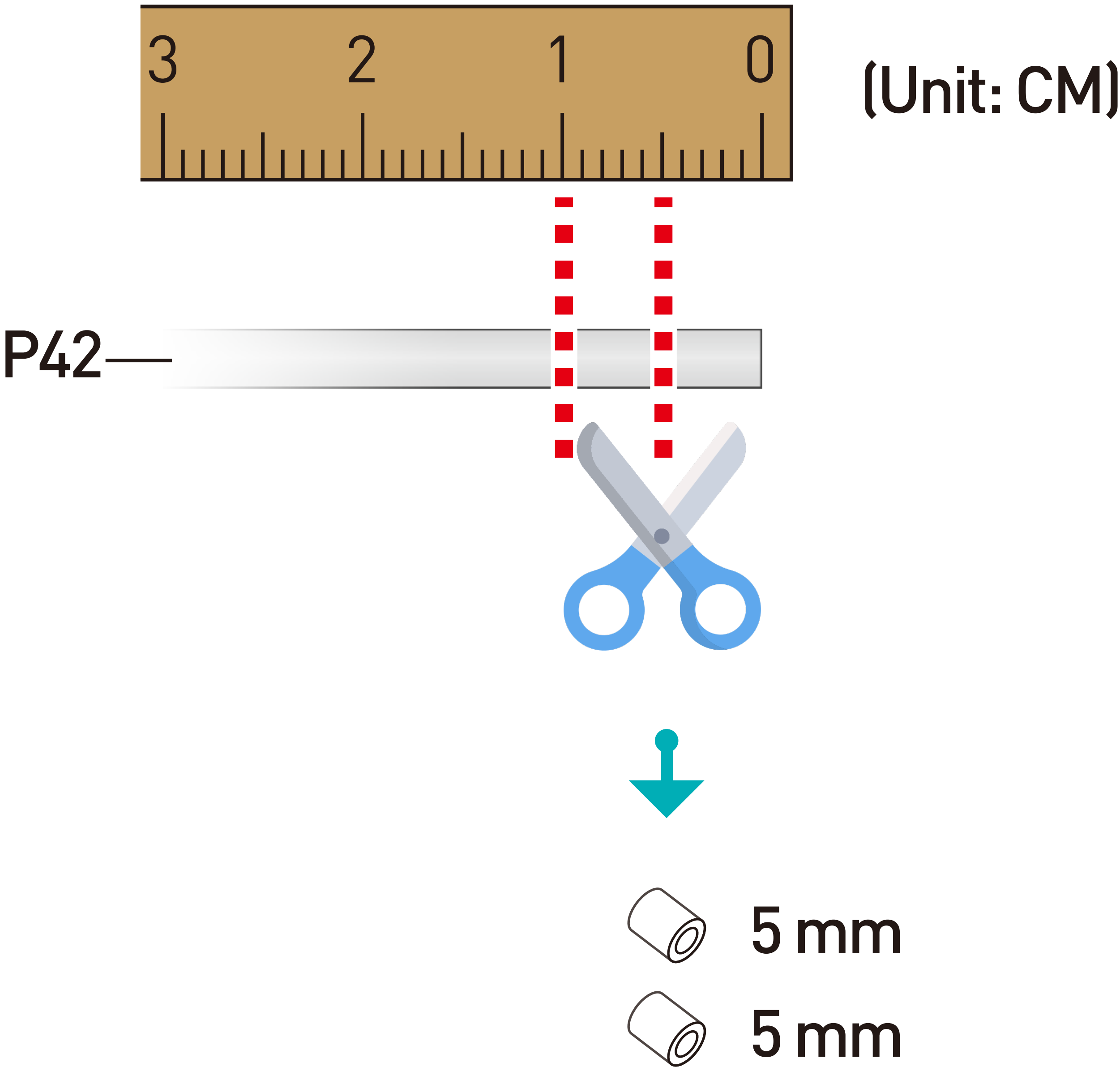
After assembly, no openings should be visible.





37

1. Cut two 5mm pieces of the contact protector.

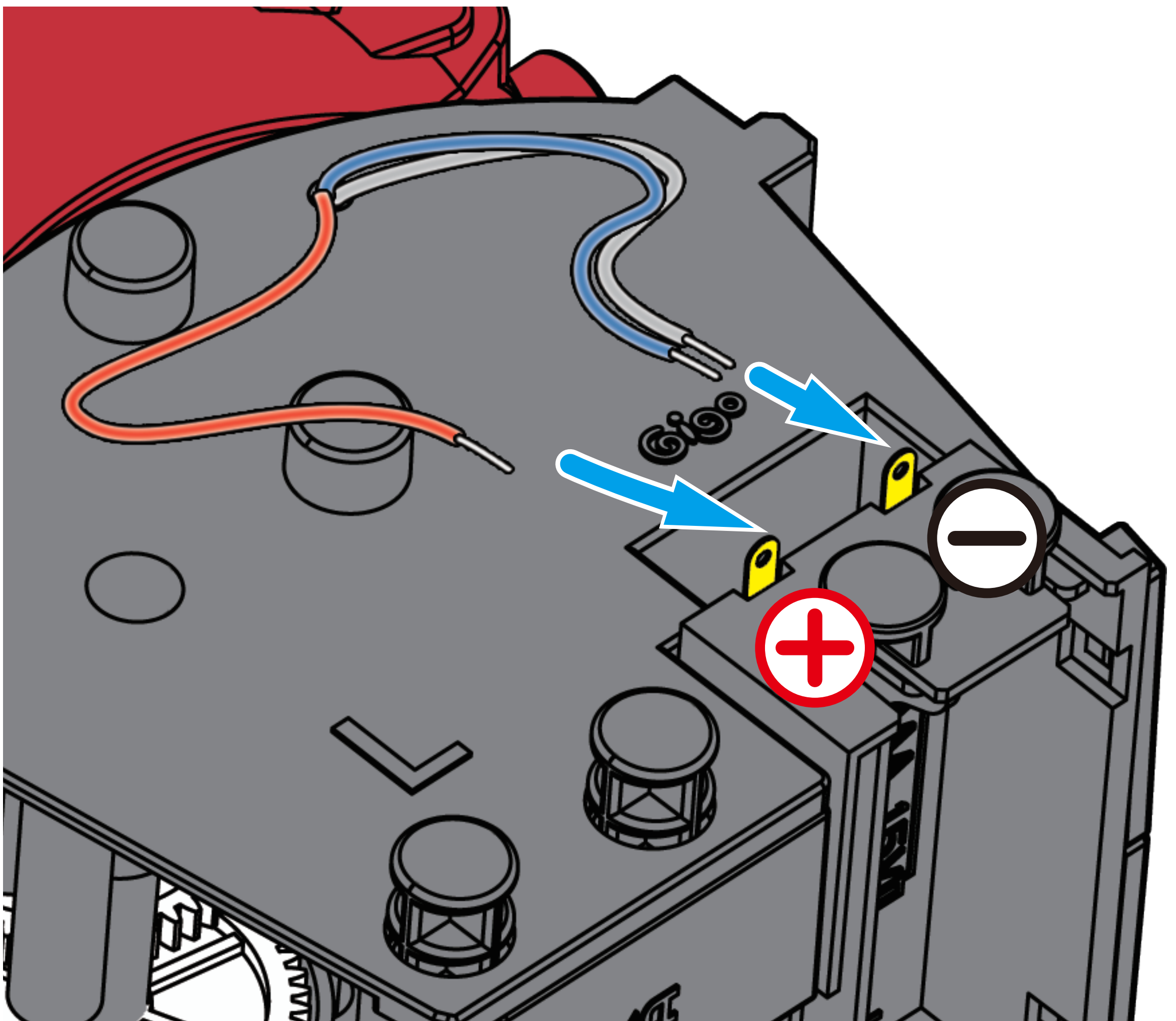
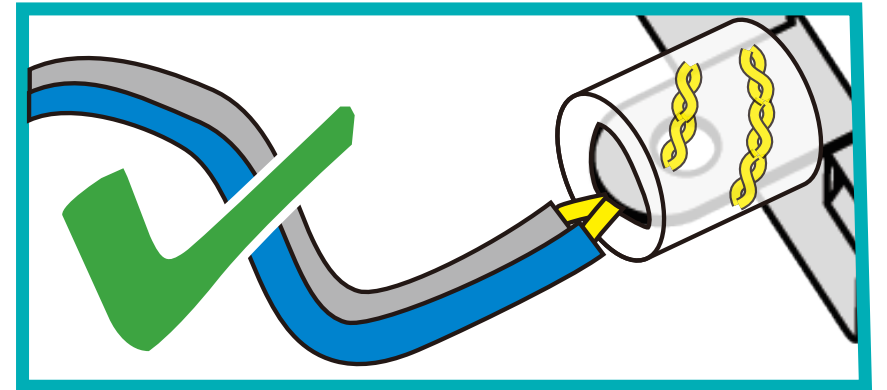
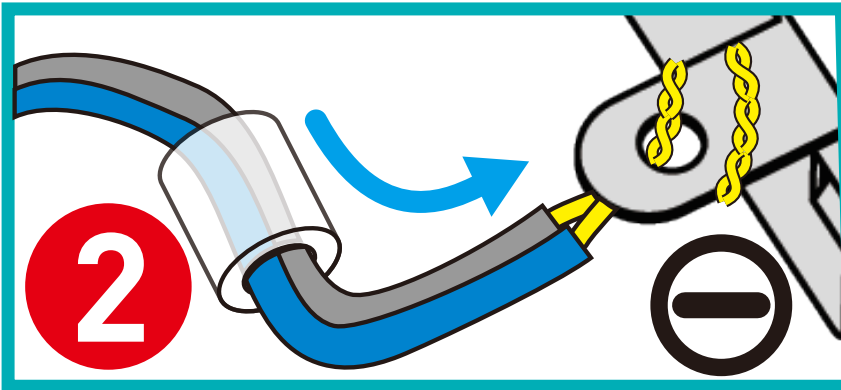
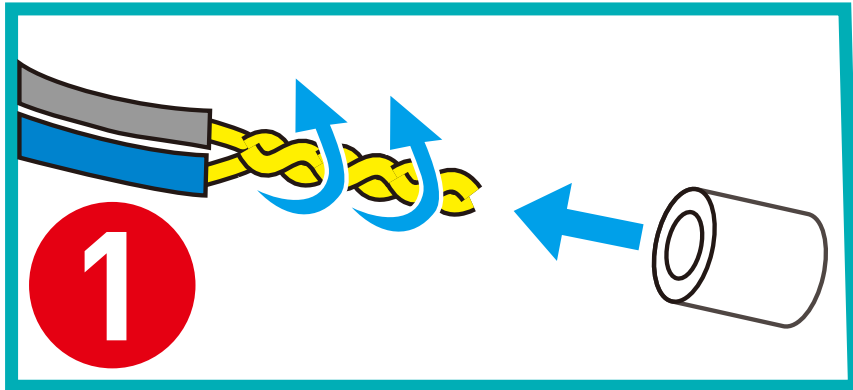


37

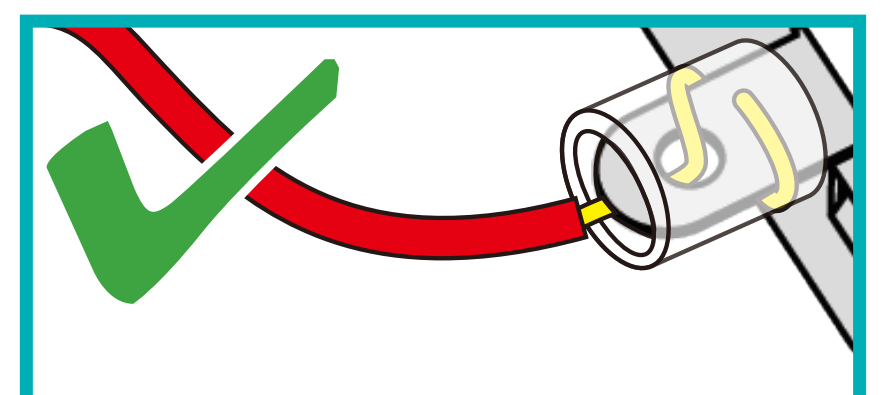
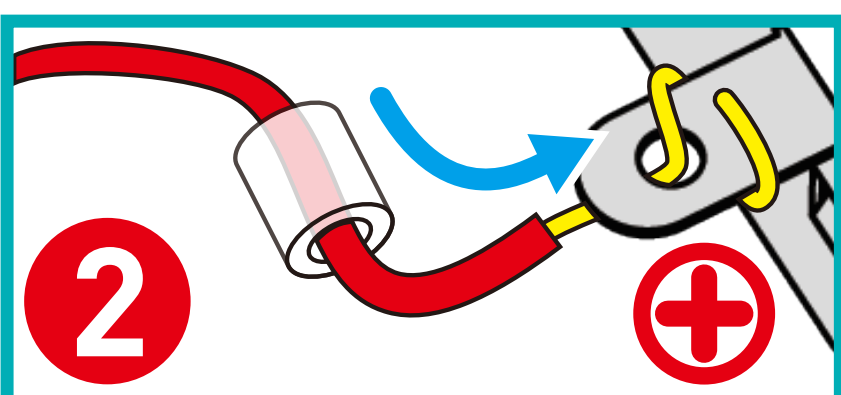
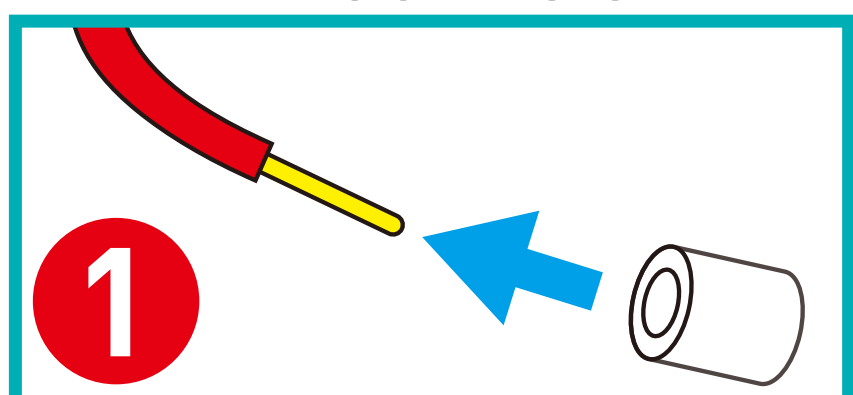
1. Twist the metal ends of the blue and gray cables together. Slide on the contact protector.



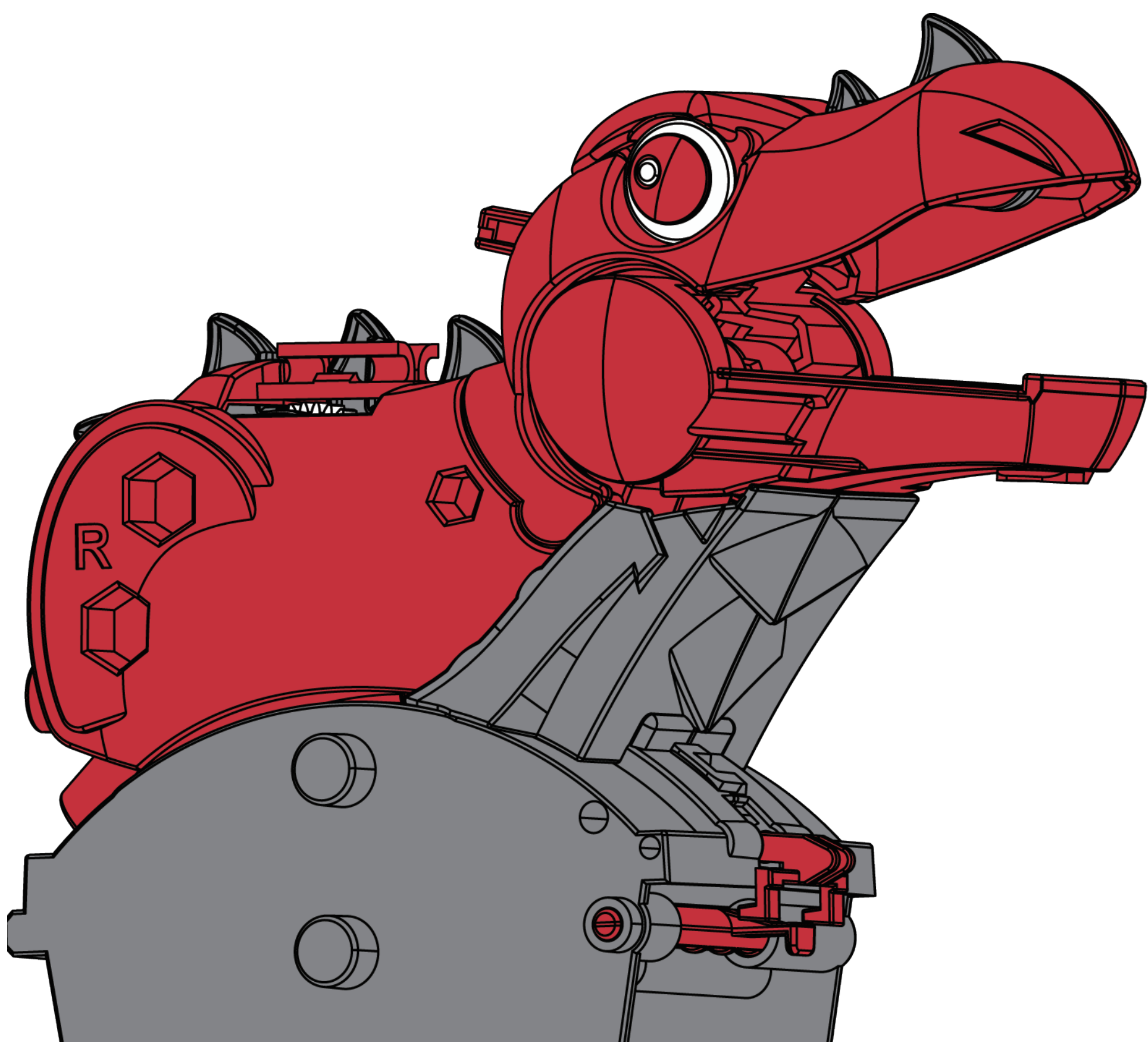
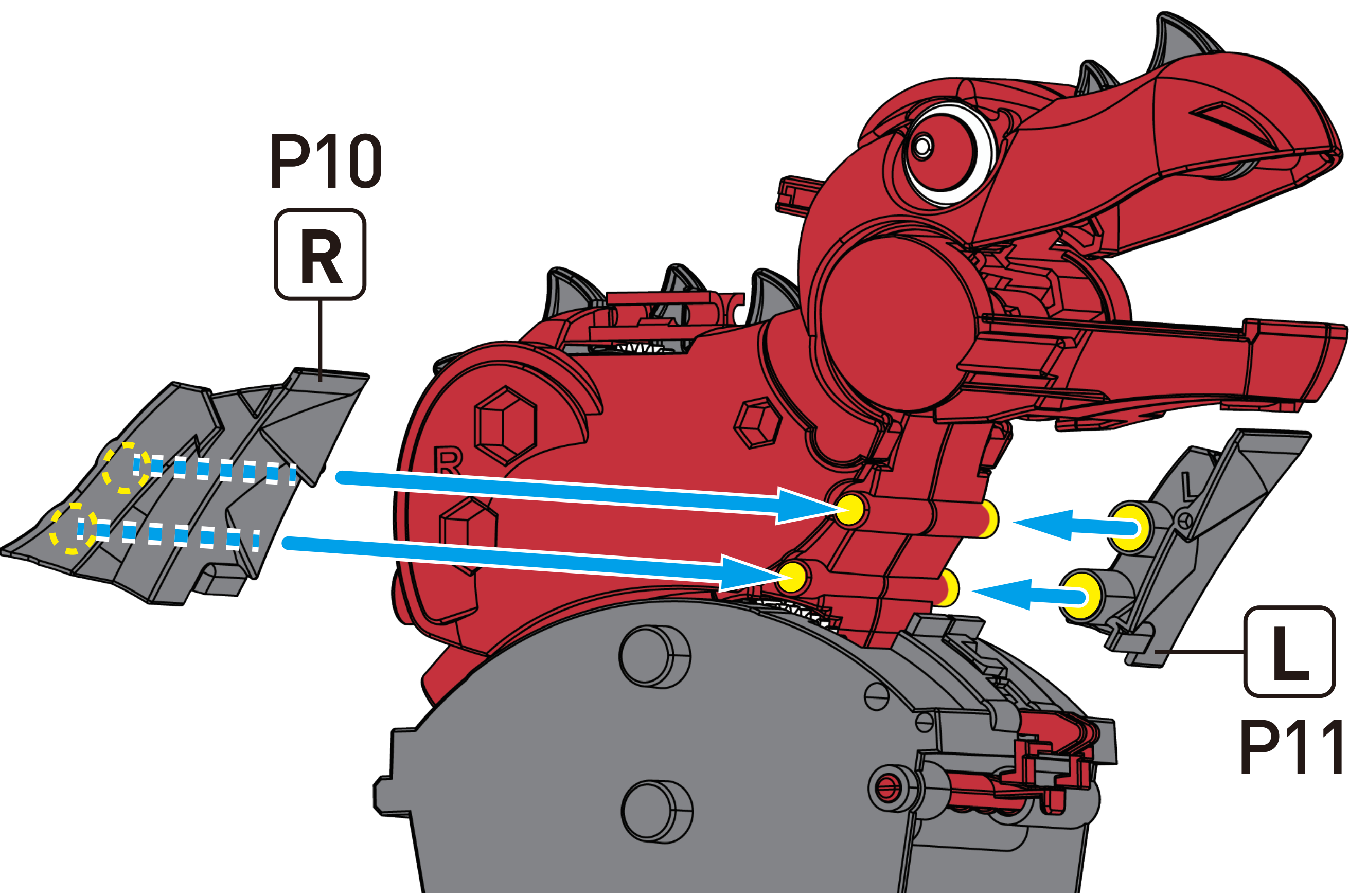
2. Connect the cables to the negative contact.



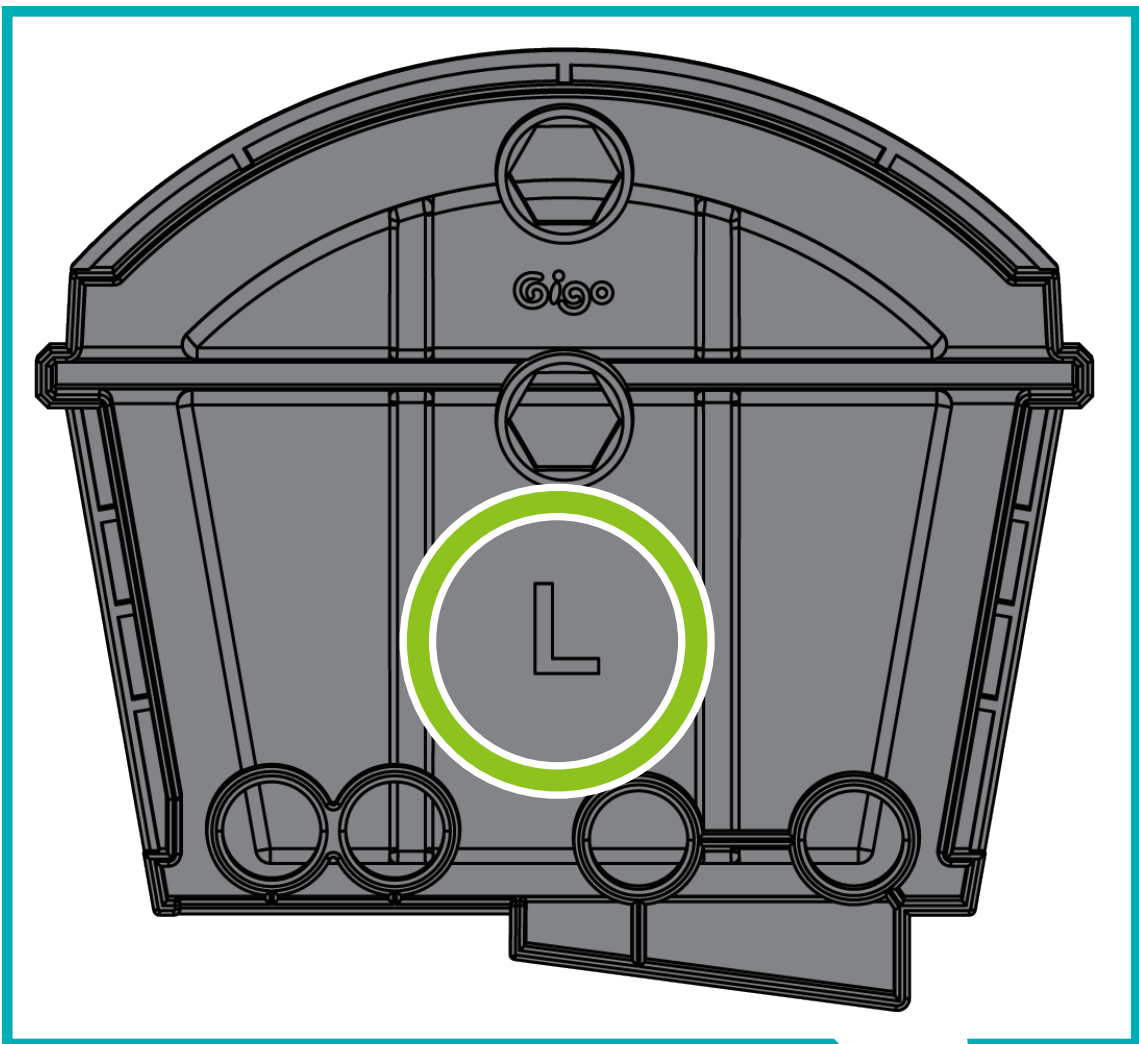
3. Slide the other contact protector on to the red cable. Connect the red cable to the positive contact.





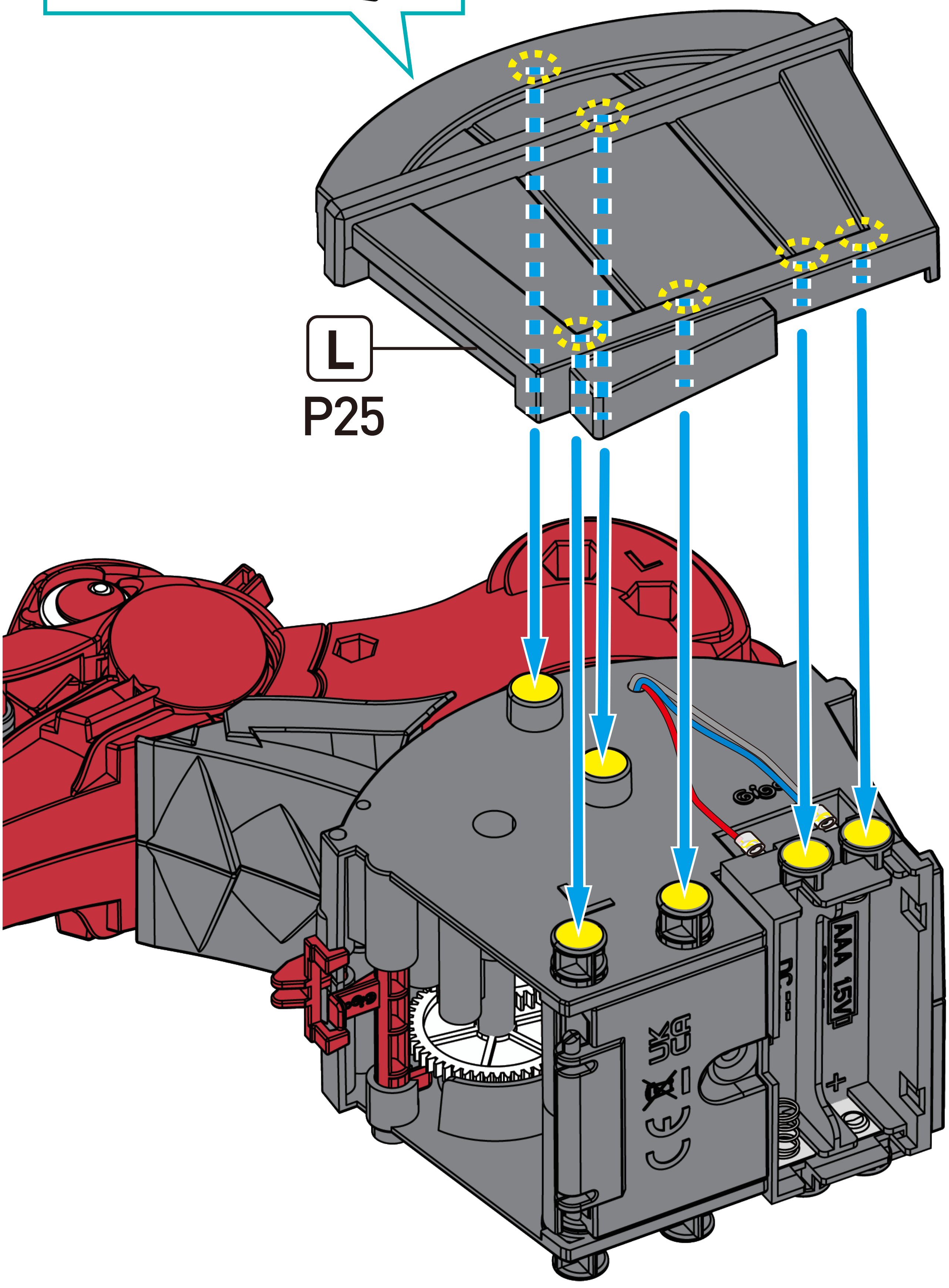




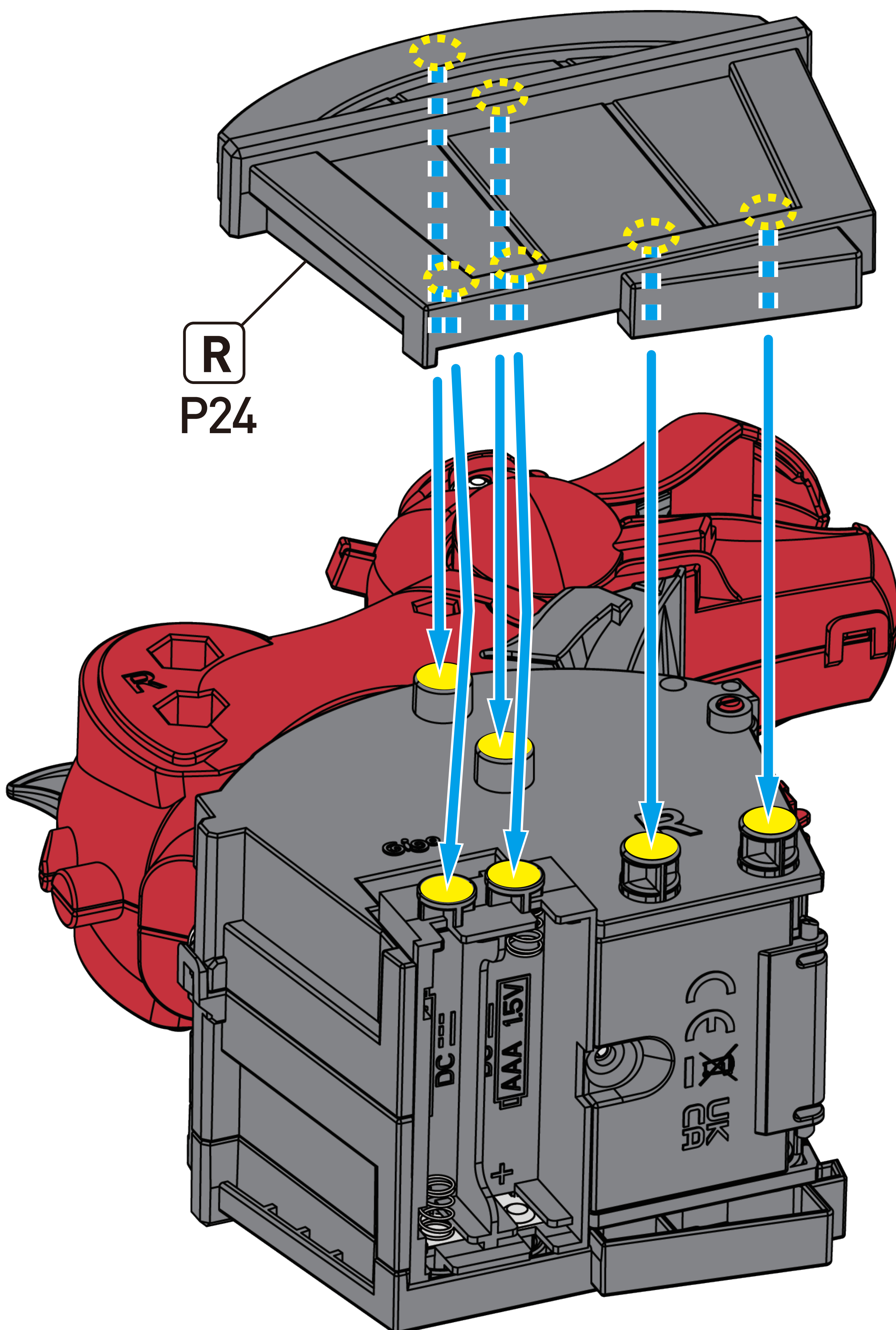


Do not pinch the cables!

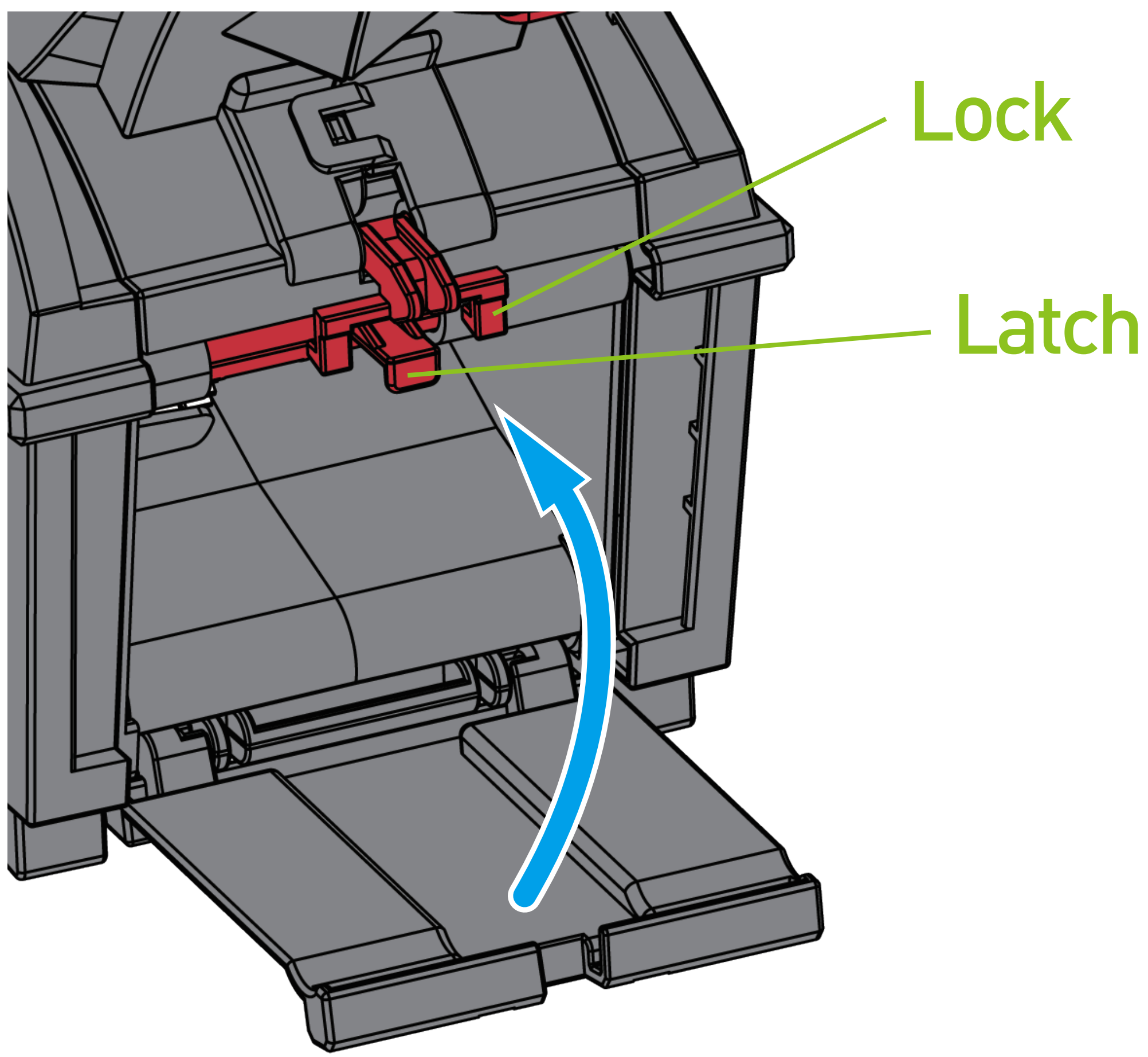
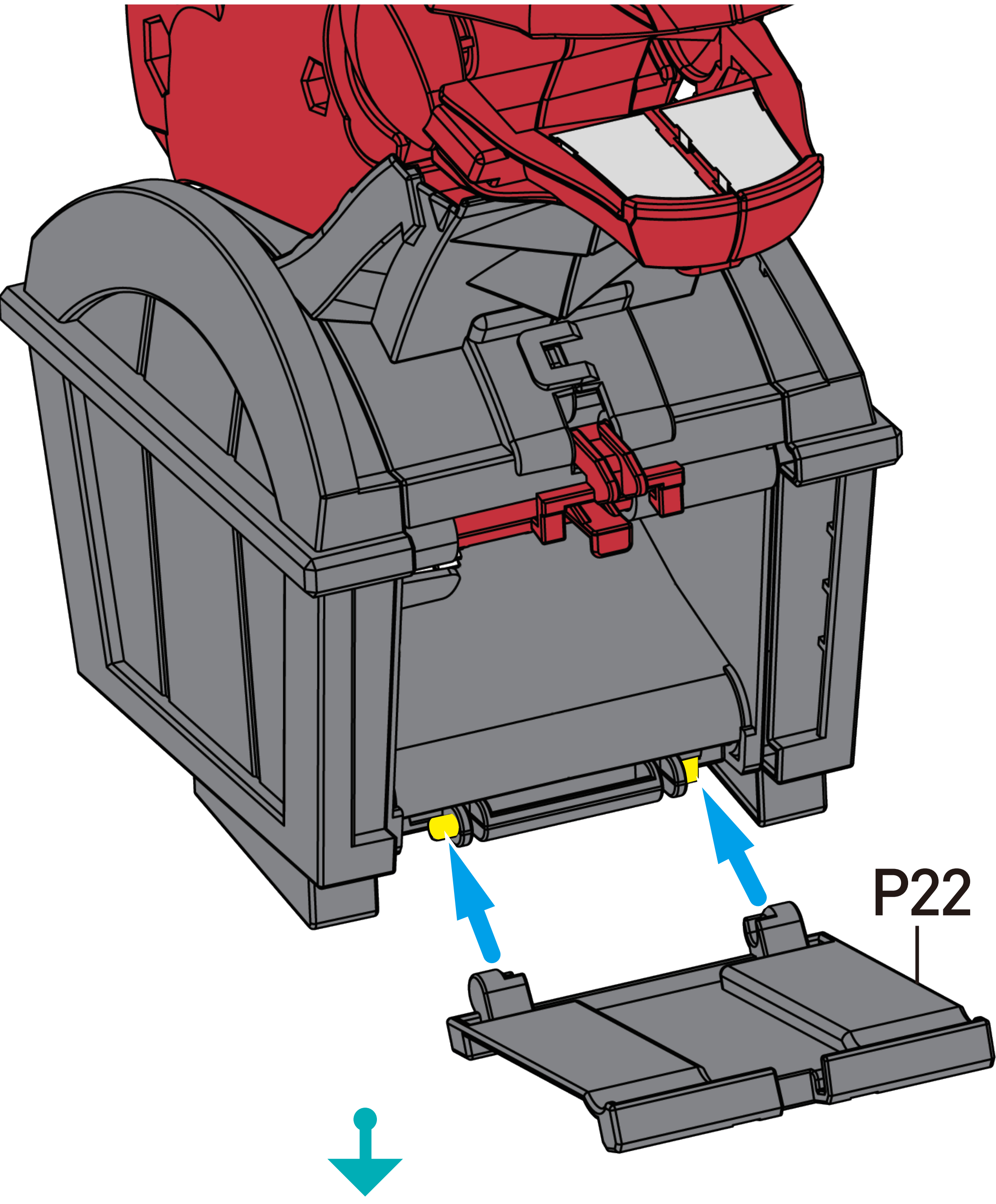
L  
P25



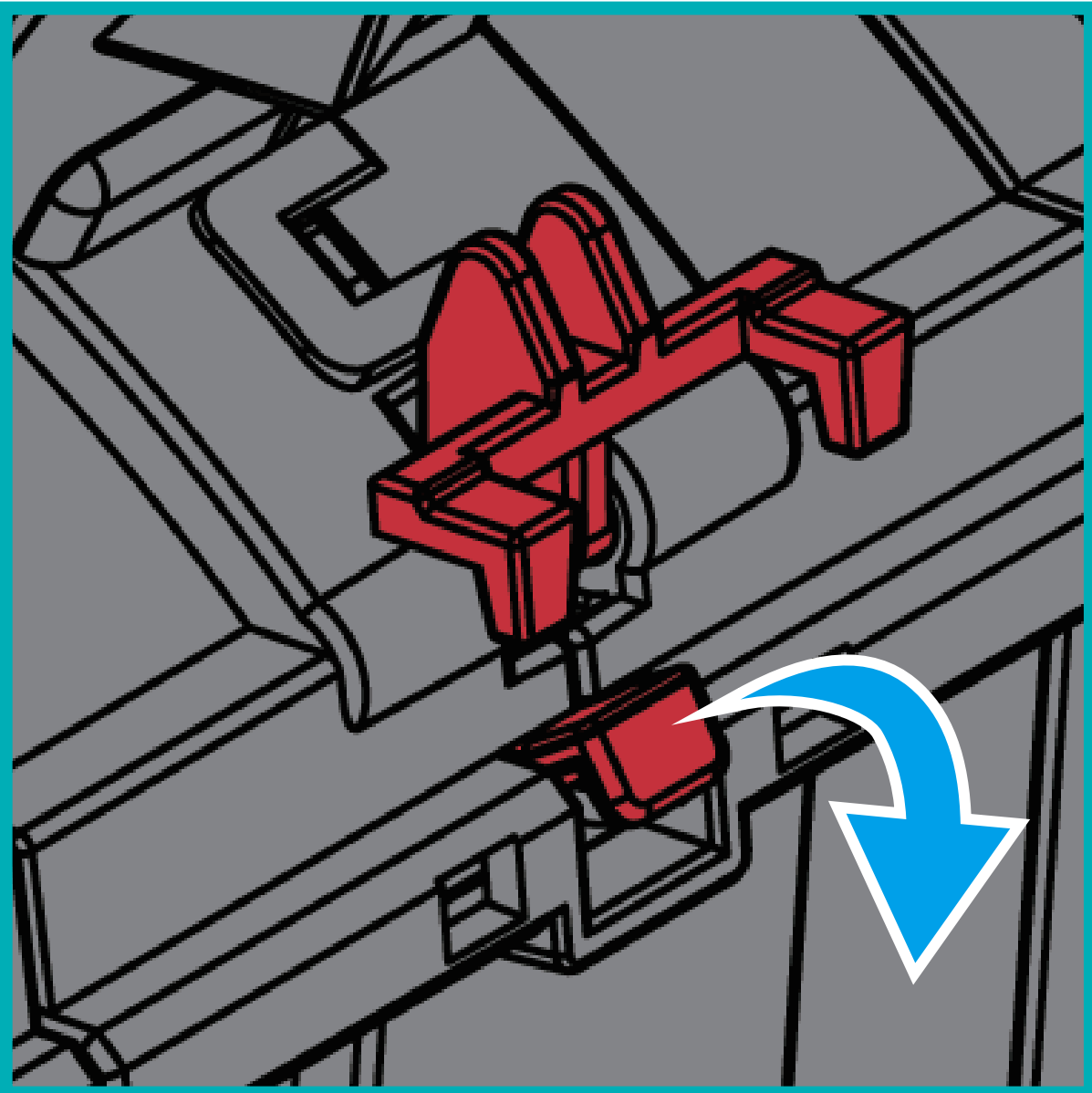




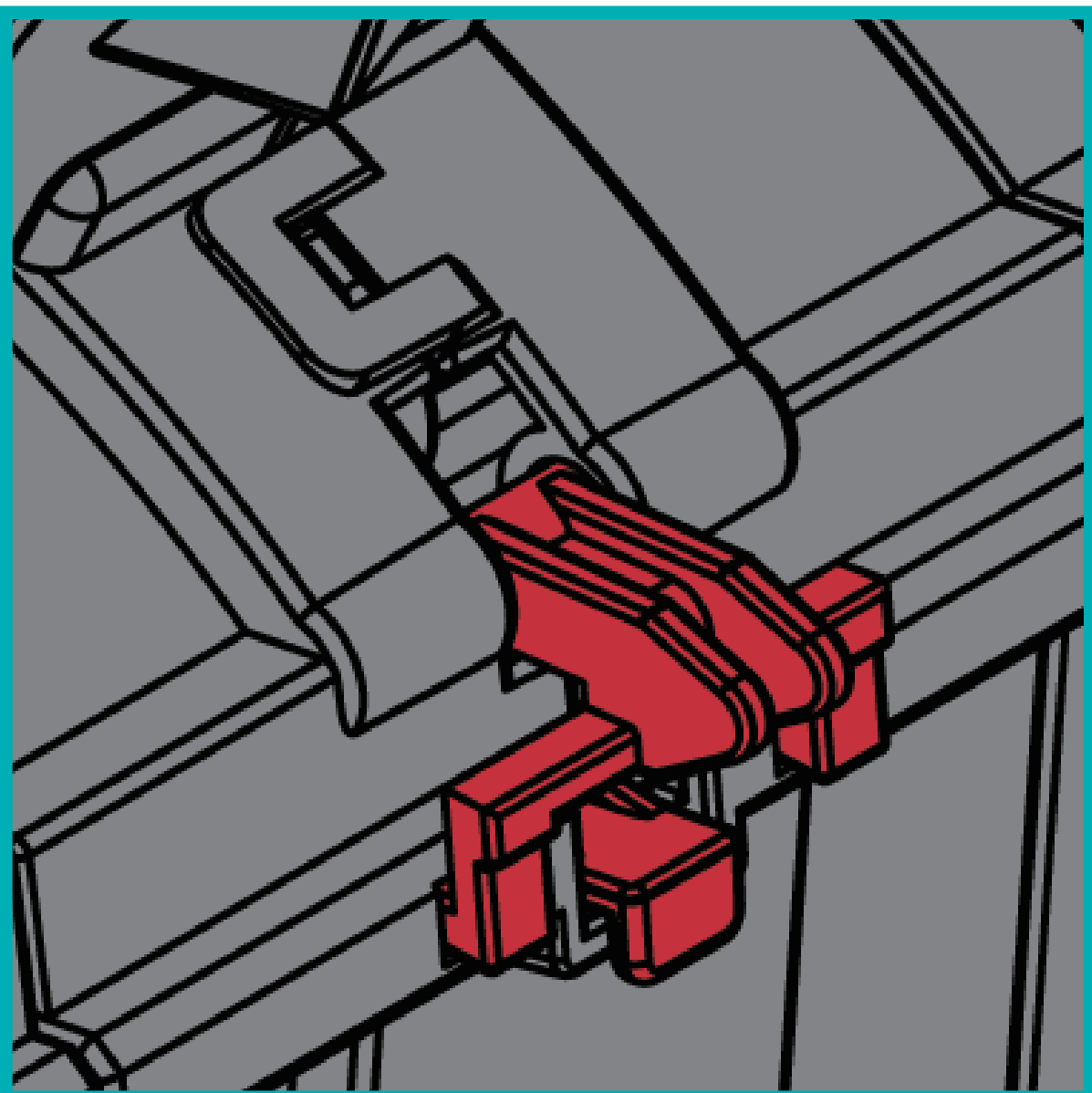








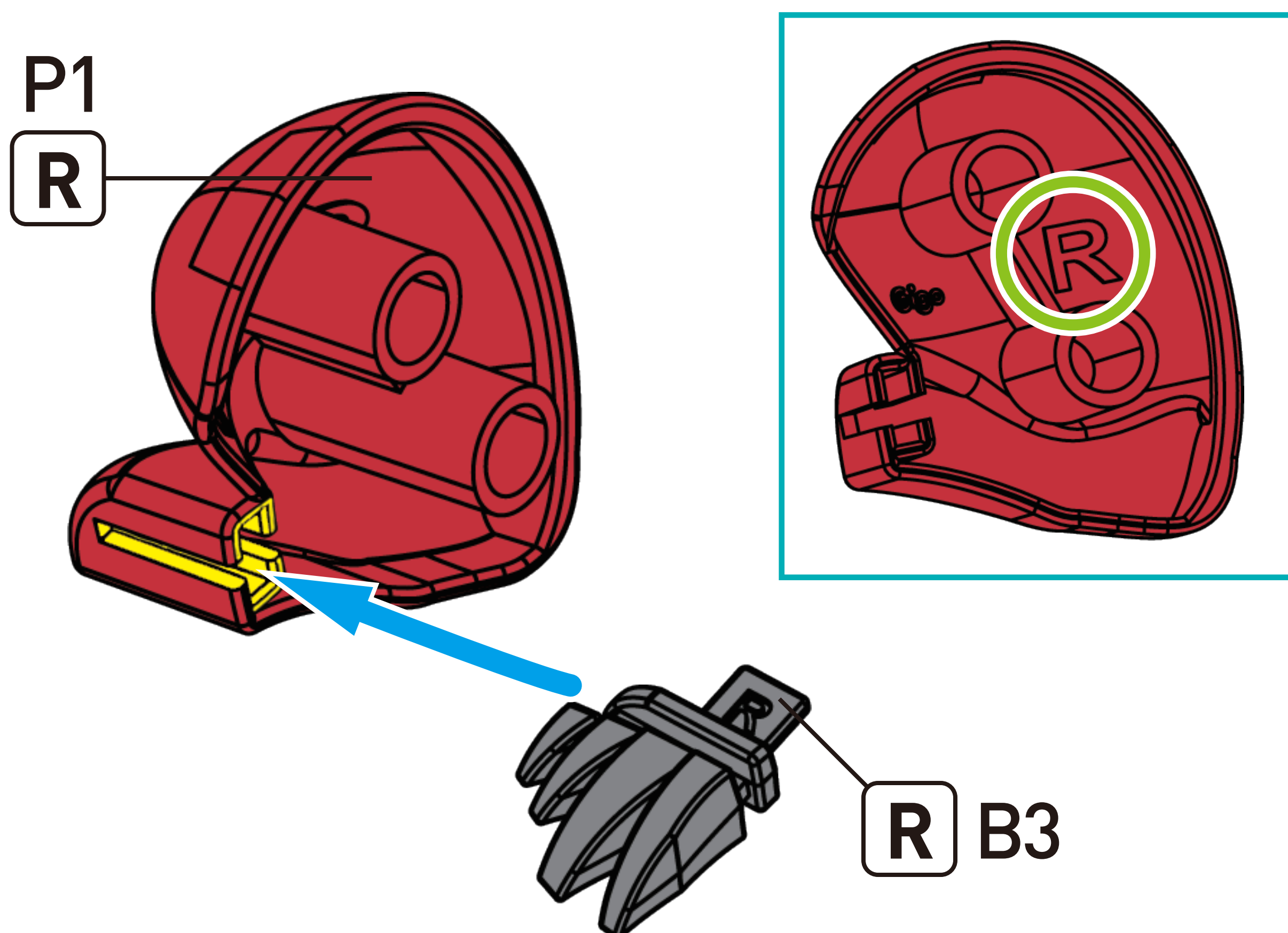
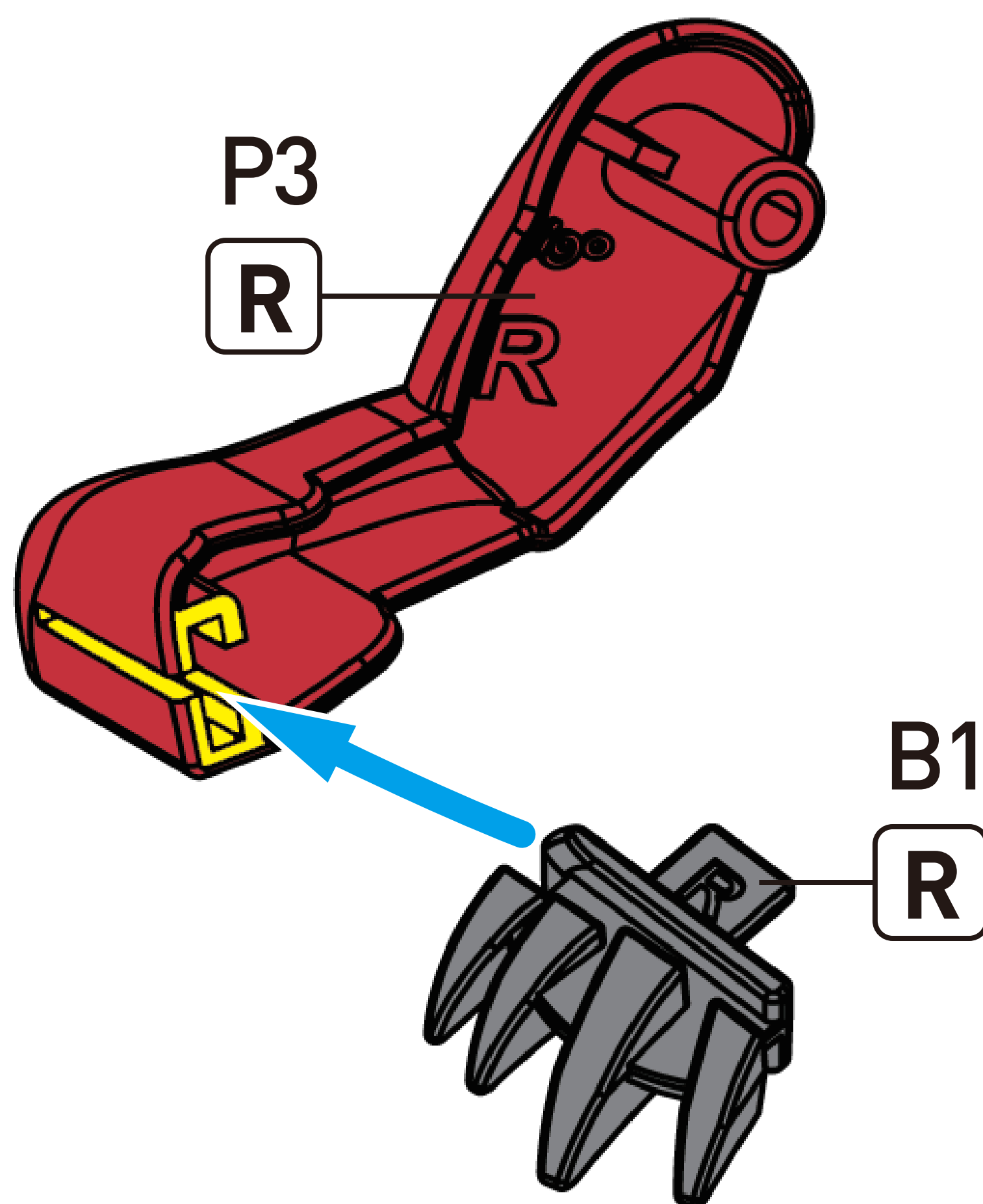
**Unlocked and latch down:**  
Chest opens automatically after a certain number of coins.



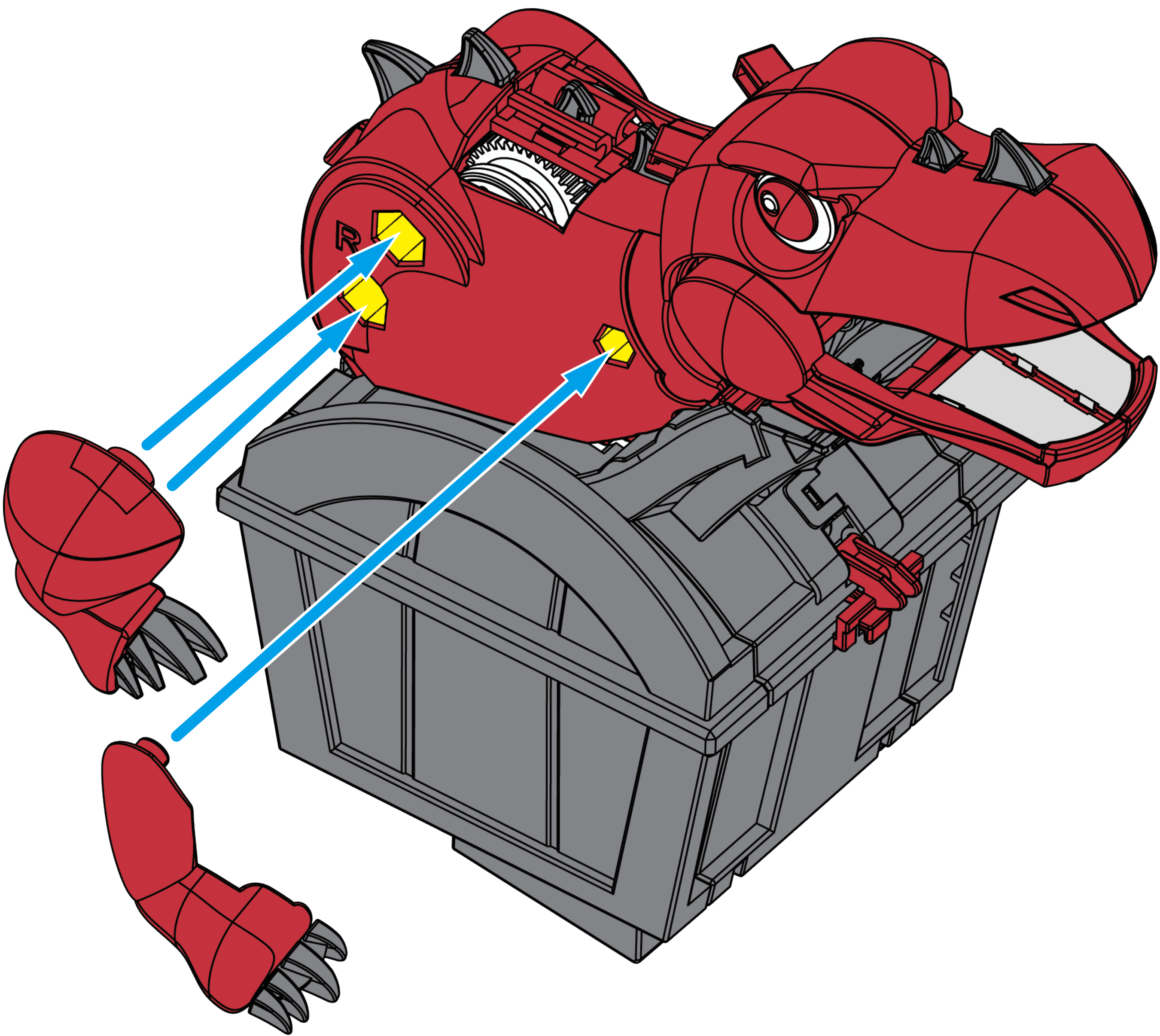
**Locked:**  
The chest will remain closed until you open it manually.



**42** Push B1 and B3 all the way in.



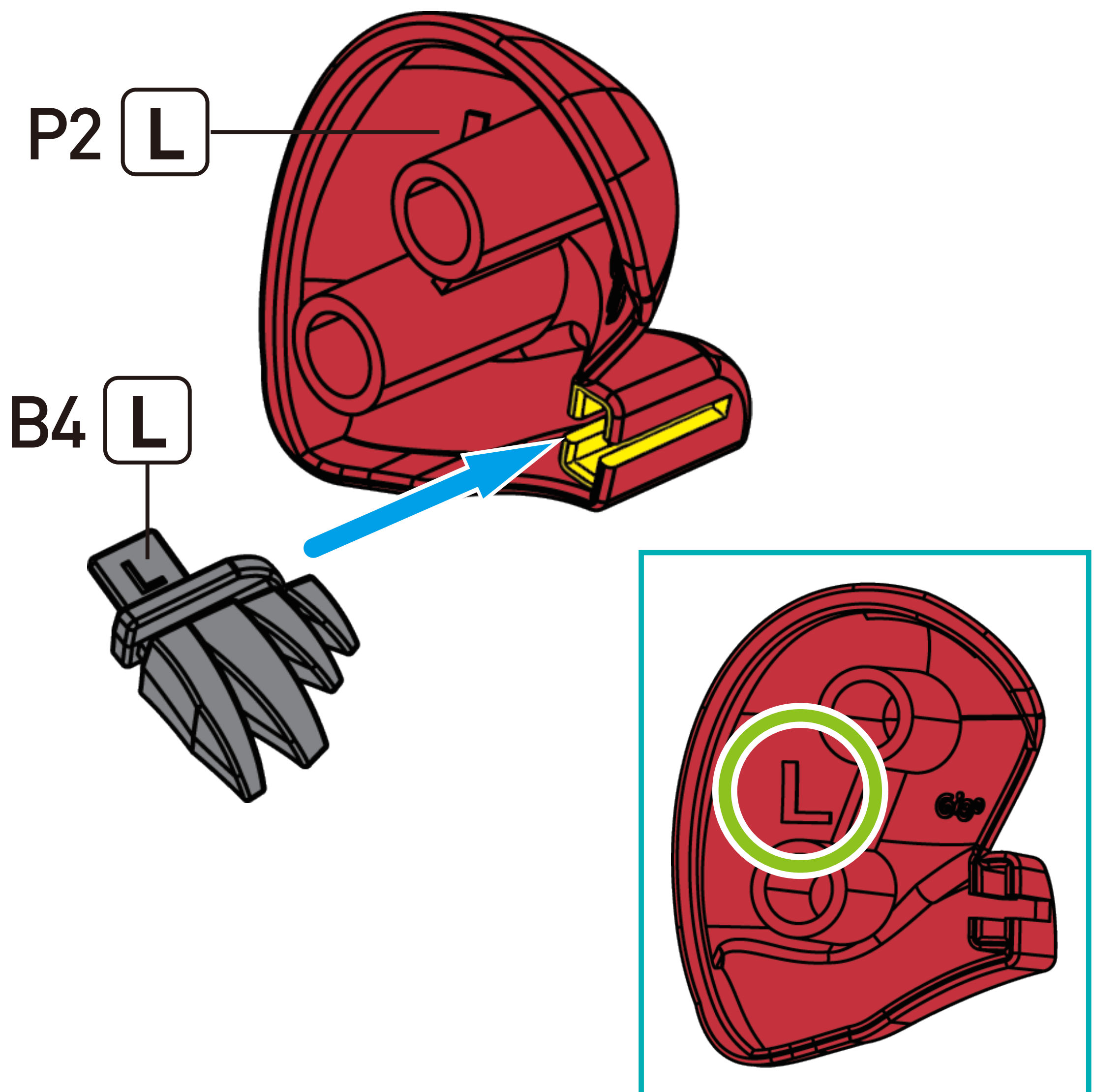
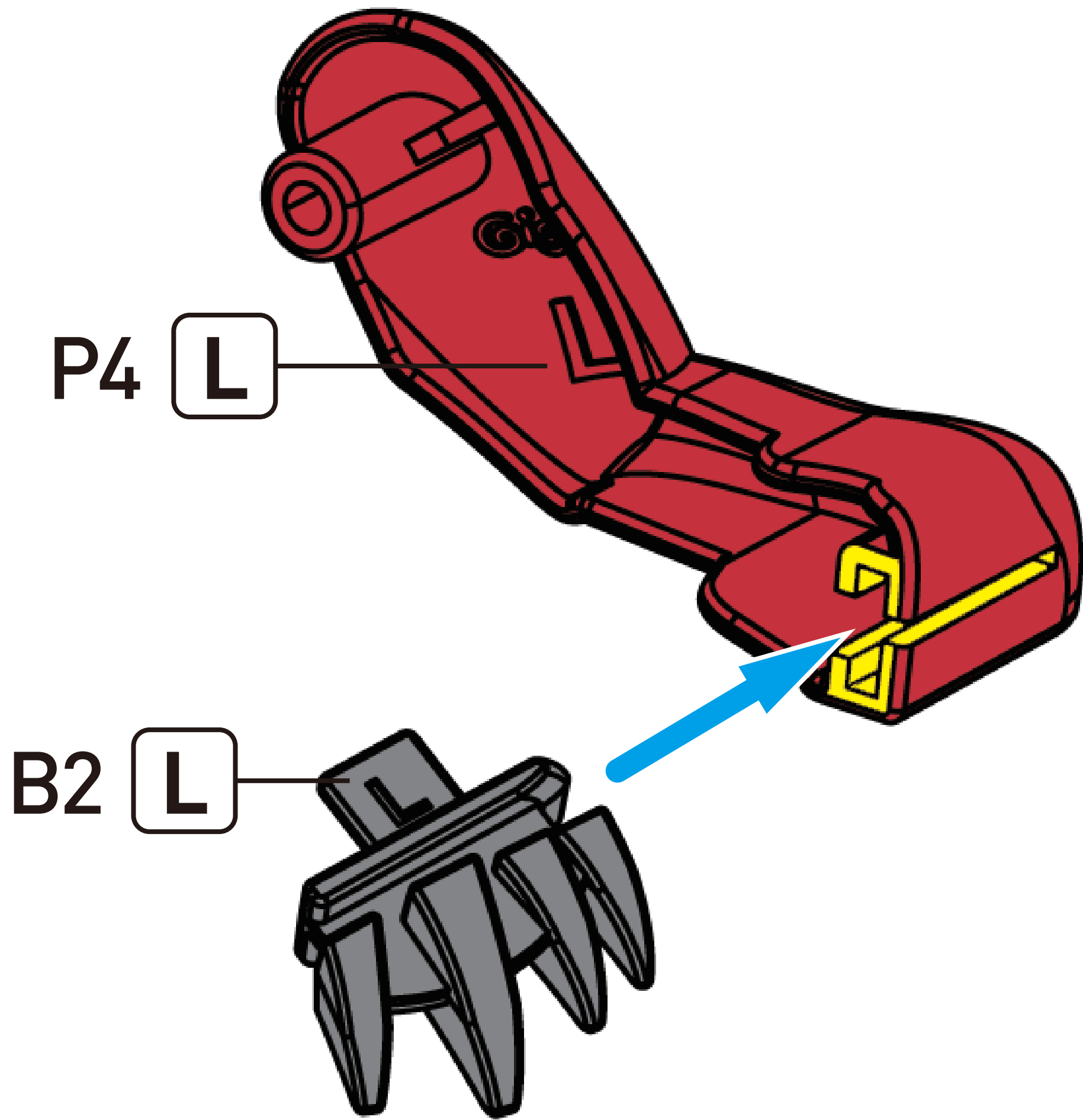




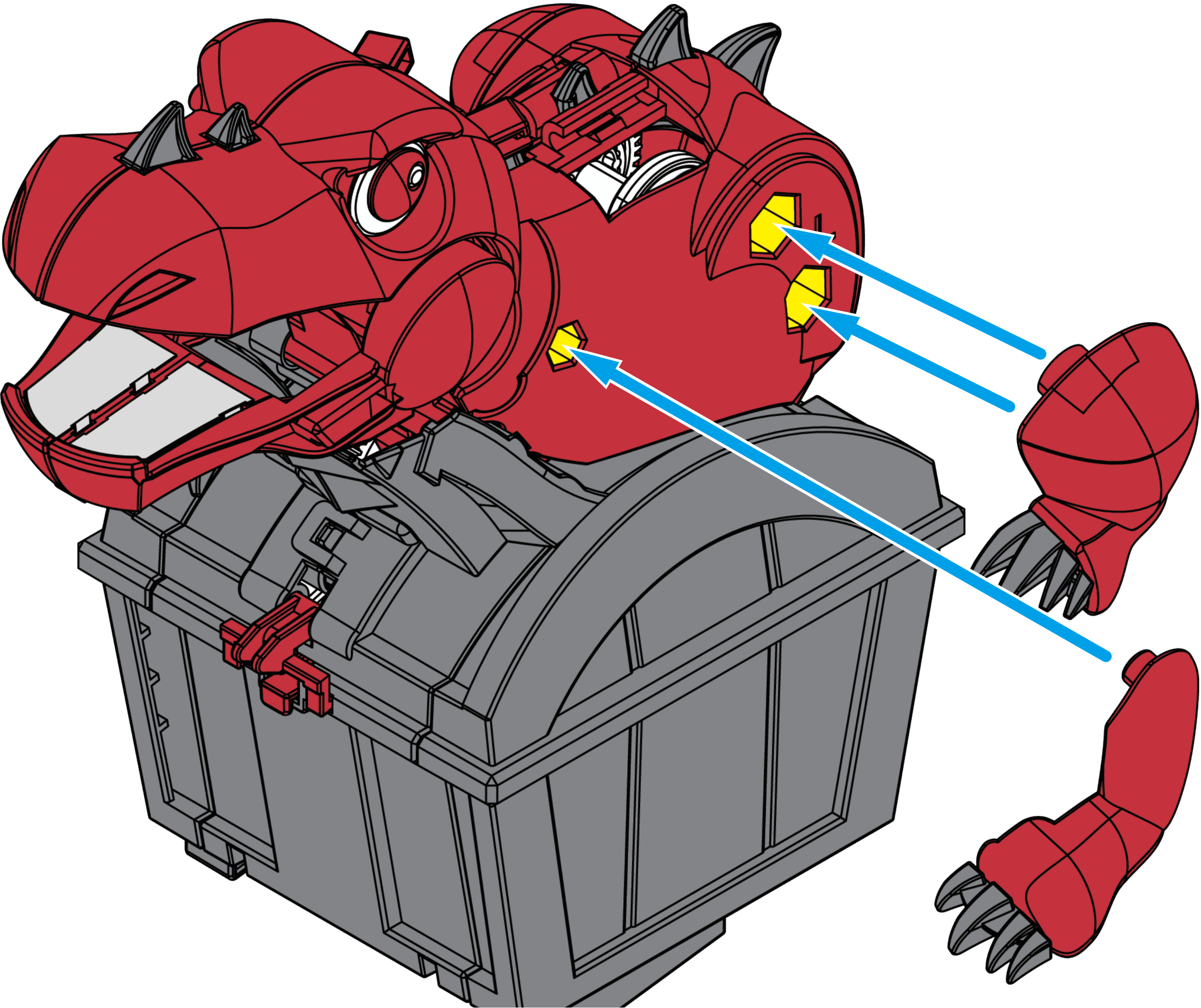


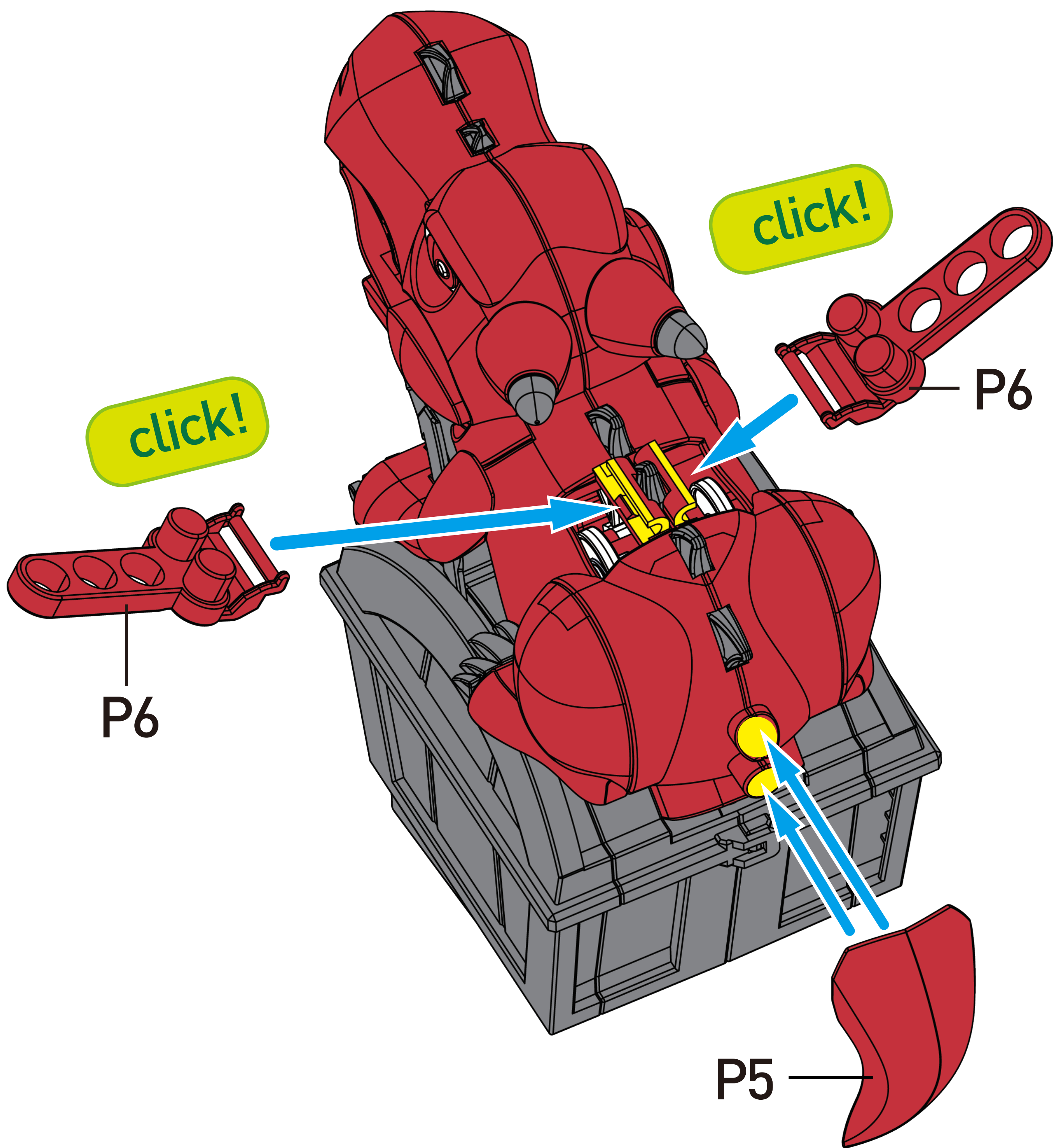
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Push B1 and B3 all the way in.

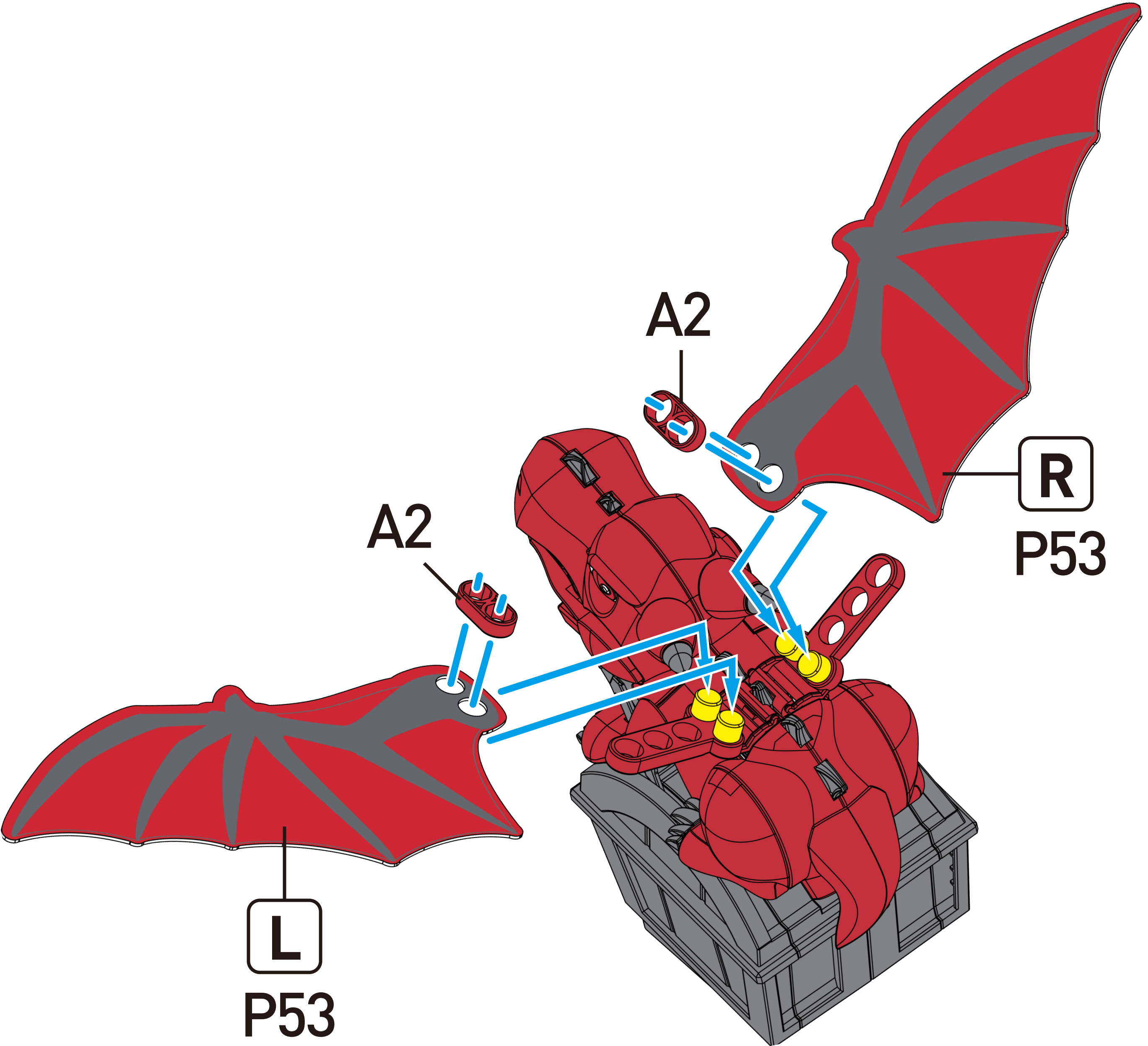




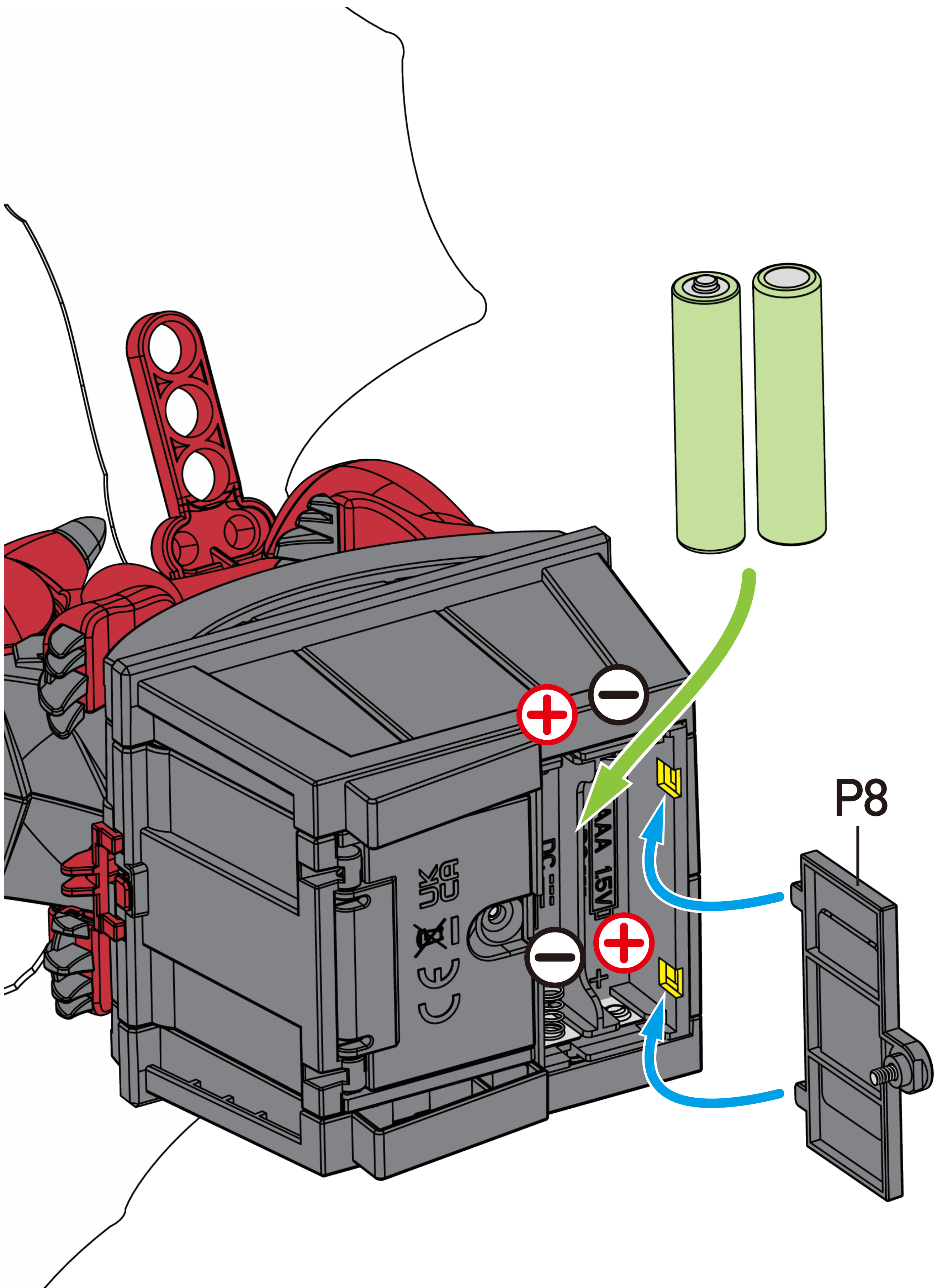








**48** Insert 2 AAA batteries. Make sure the polarity is correct!

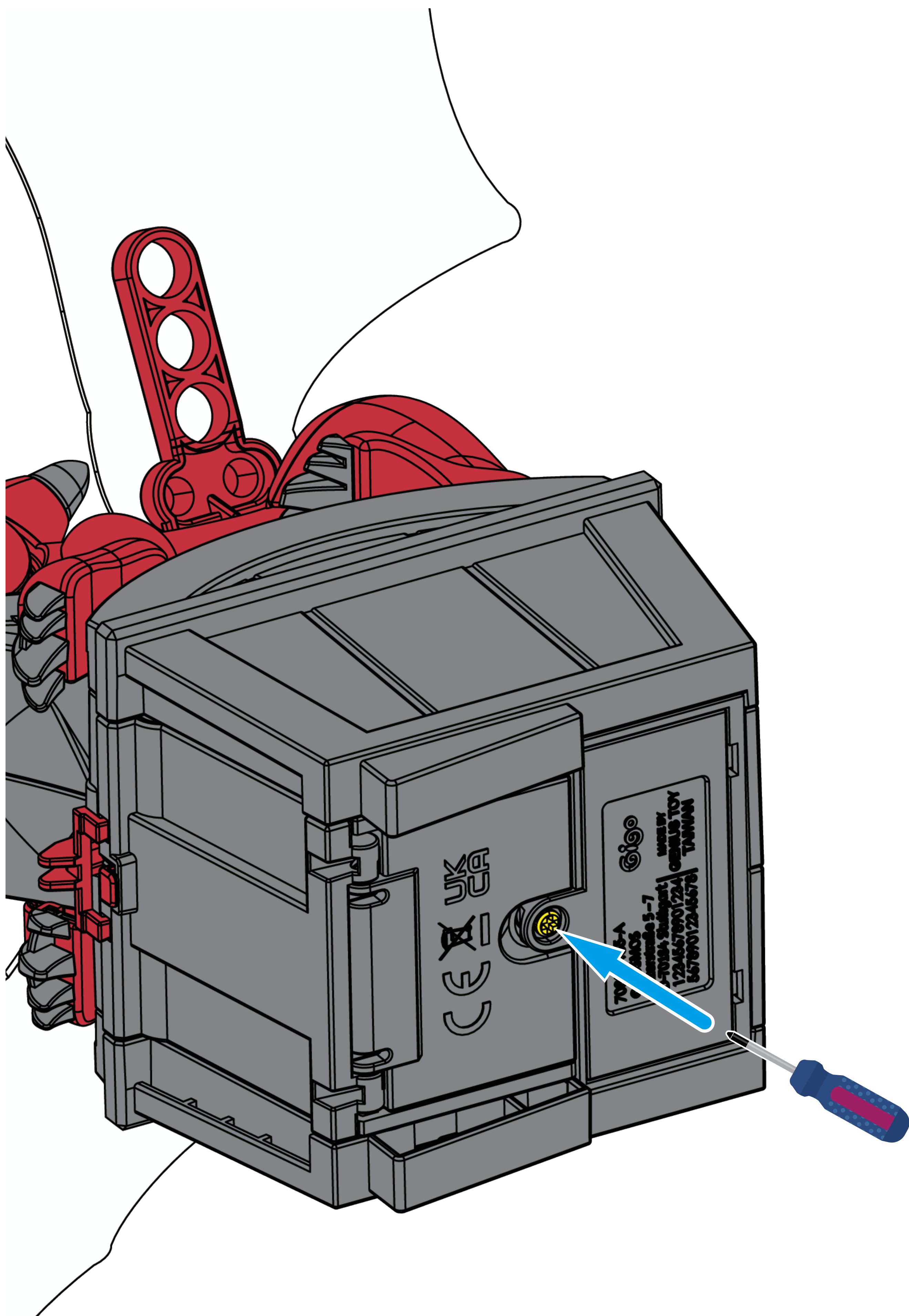




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## IMPORTANT!

Be sure to close the battery compartment with the screw P46. (The screw is preinstalled and will remain in the cover.)



*Finished!*

**Feed me  
coins!**





# HELP! MY DRAGON DOESN'T WORK!

Remove the batteries right away and follow the troubleshooting steps in the video below:

[LINK TO VIDEO](#) ↗

*Help!*

