

42145 Airbus H175 Rescue Helicopter P41302

- P41302 is the unique code of lighting set, we use this to accurately identify the product you purchased and the corresponding manuals and services you need to obtain. Please make sure your product code is the same as the label on the back of the box shown “42145 P41302”.
- Installation requires a lot of patience and great observation that your LEGO bricks will come alive when you get this finished. The bricks with lighting as below, so make sure you're ready and let's get started.



Strategies for the Installation

This instruction divides three sections to complete the installation of the lighting set.

Section A: Check the type and quantity of components.

The quantity and type of components of each products are different and it needs to be carefully checked to make sure there do have enough material. The type of components is indicated by the label on the bag.

Section B: Test that each components is working properly.

Each components is made individually so it is necessary to test that each components is working properly to avoid the situation that the lighting does not work .

Section C: laying out components following the instruction.

Our material is very small but not fragile, just be reminded that don't to pull the wires too hard. For different people, there may be some installation steps that you can't understand. Please look at the previous and later installation steps.

Section A: Check the type and quantity of components.

There are 15 bags in this set. The name and quantities of specific components are as shown , please check carefully.

Label	Content	Quantity
Light-15CM White	Light-15CM White	7
Light-30CM Red	Light-30CM Red	1
Light-30CM White	Light-30CM White	1
LED Strip Warm White	LED Strip Warm White	2
Expansion Board	6 Socket Expansion Board	1
	8 Socket Expansion Board	1
	4 Socket Expansion Board	1
Power Supply	Power Supply	1
Connecting Cable 15CM	Connecting Cable 15CM	2
Connecting Cable 30CM	Connecting Cable 30CM	2
Connecting Cable 10CM	Connecting Cable 10CM	1
Flash Light-30CM Red	Flash Light-30CM Red	1
Flash Light-30CM Green	Flash Light-30CM Green	1
Light Strip-Red	Light Strip-Red	1
Remote Control	Remote Control	1
High-Brightness Light 15CM-White	High-Brightness Light 15CM-White	2
Components		

Please contact us immediately if there have any missing components.

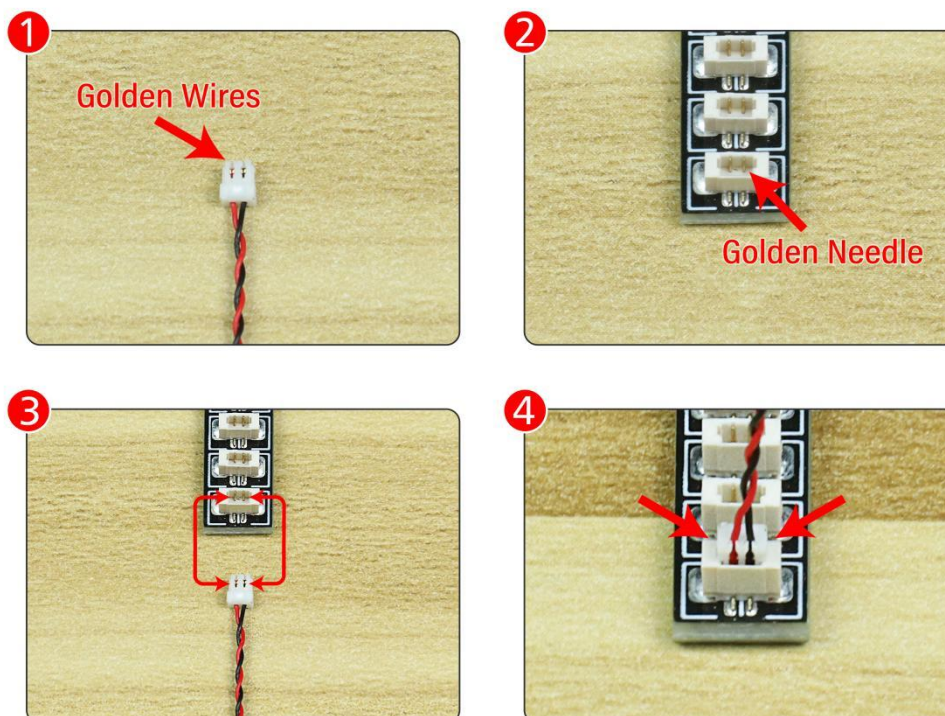
Section B: Test that each components is working properly.

We need a structure to test all lights, so take out the bag with label “USB Power Cord” and “Expansion Boards” as follows.



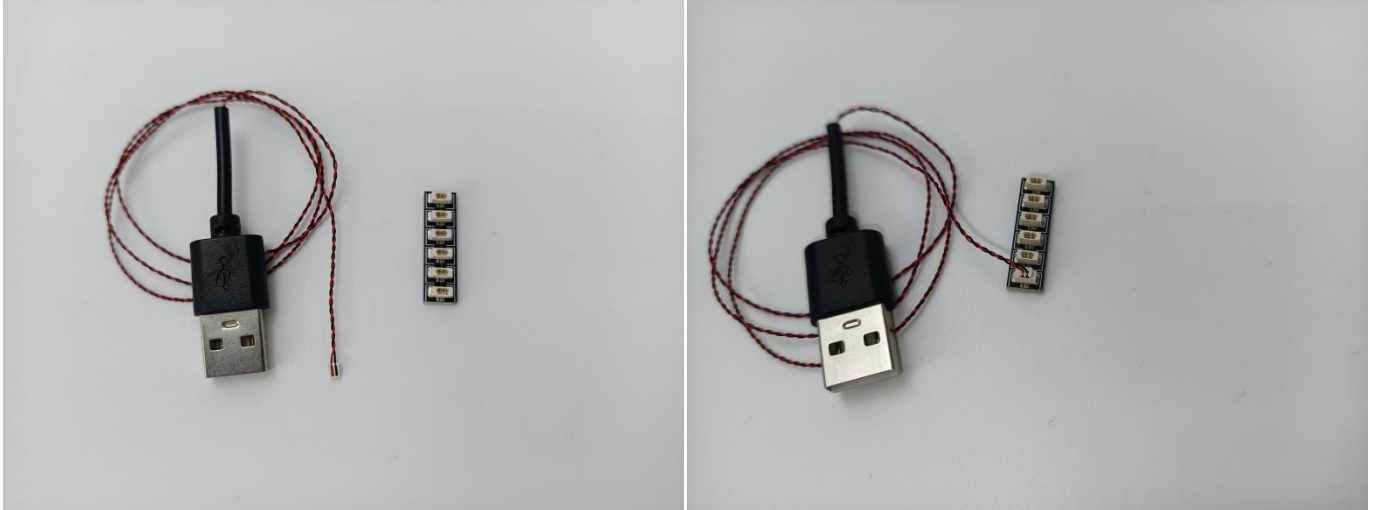
It is worth reminding that our products are all customized. They have a unique way of connecting. The white plug on wire and the socket of the expansion board need to be connected together to transmit power.

Note that on one side of the white plug you can see two very small golden wires that should be connected to the two golden needles in socket of the expansion board. shown as blow.

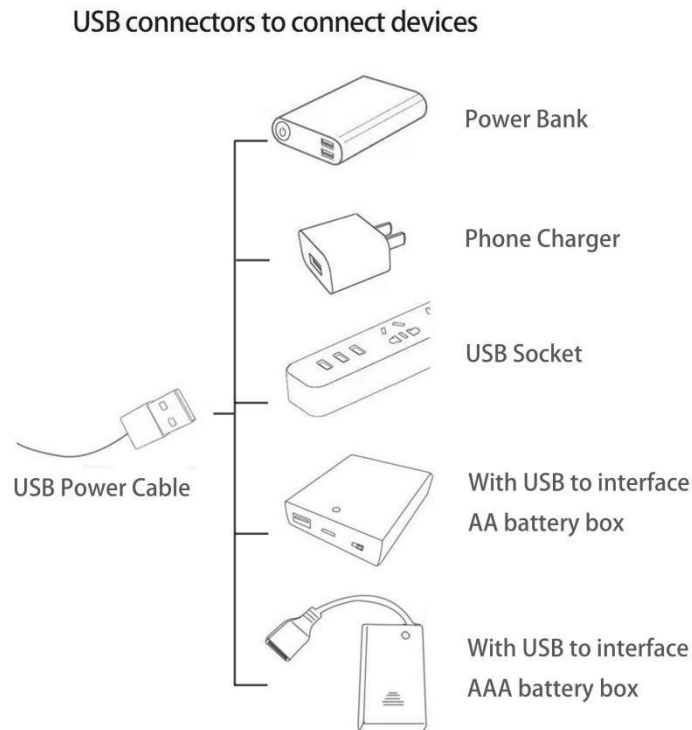


All our connections between plug and socket are all the same as shown above. So for any such structure with plug and socket, please pay attention to the golden wire of the plug and the golden needle of the socket, they must be touched together.

The connection method between the USB Power Cord and Expansion Boards is as follows:



The USB Power Cord can be powered by phone chargers, power banks, etc.

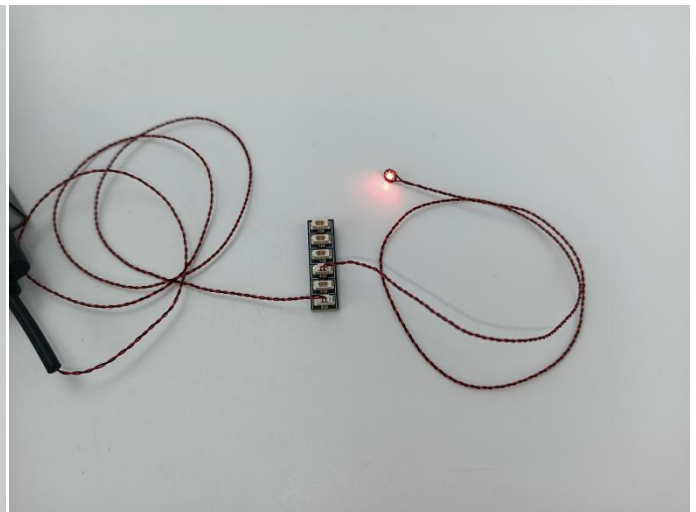


This instruction will use the power bank as power supply . The test structure is shown as follow. All lamp in this set will be tested by this structure.

The battery box can also power the set. If it is necessary to change the power supply , prepare three AAA batteries, install them in the battery box, turn on the switch on the battery box, remove the plug of the USB Power Cable from the socket of the expansion board,plug the plug of the battery box to the same socket in the expansion board to power the suit as well.



When we test " Light-30CM Red" particles,Take out the bag labelled " Light-30CM Red".Take out one of the light and connect it to the socket. Turn on the power bank, the light will turn on normally as shown below.



Test each lamp according to this method. It should be noted that after the test, the lamp must be returned to the corresponding bag to avoid confusion of types.

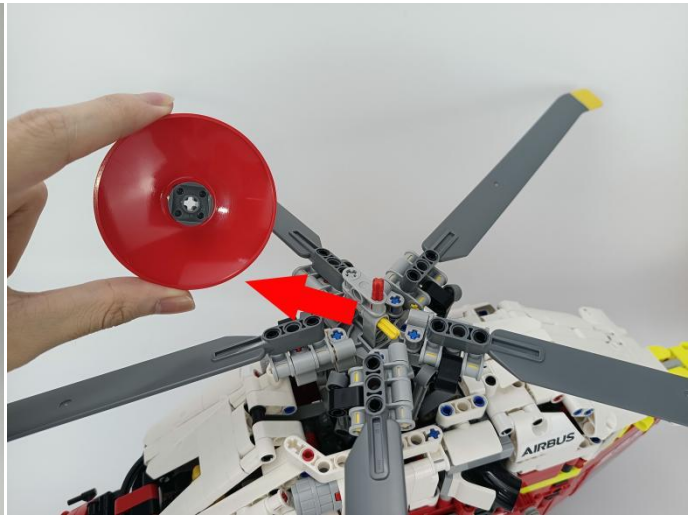


The components needs to be tested in this set is 7* Light-15CM White,1* Light-30CM Red,1* Light-30CM White,2* LED Strip Warm White,1* Flash Light-30CM Red,1* Flash Light-30CM Green,1* Light Strip-Red ,2* High-Brightness Light 15CM-White.

Please contact us immediately if any components don't work.

Section C: laying out components following the instruction.

1



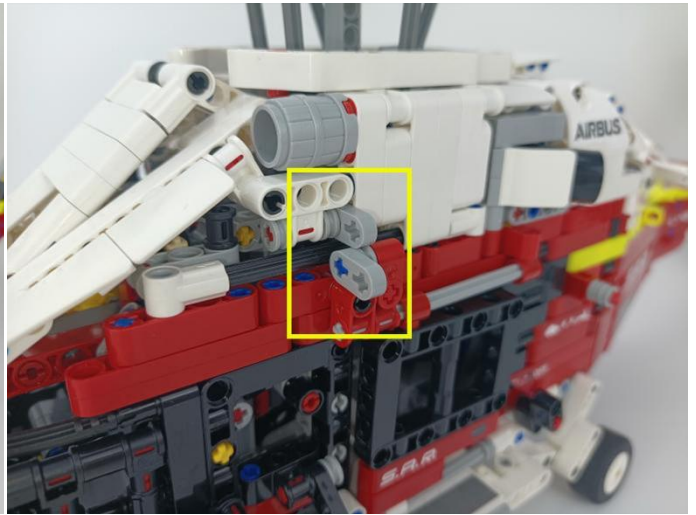
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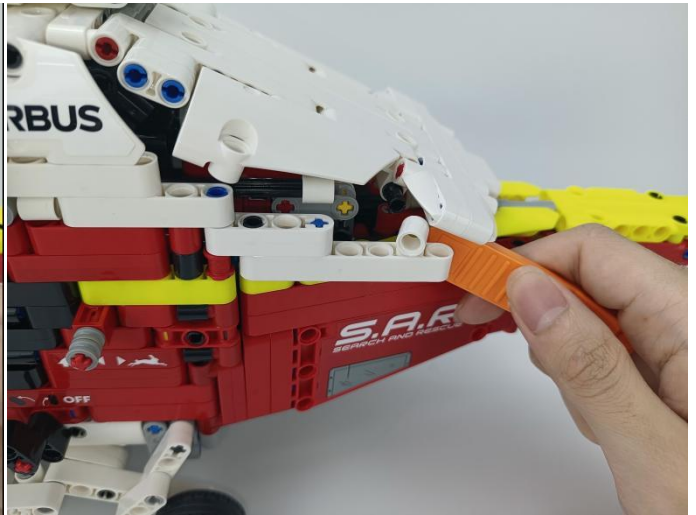
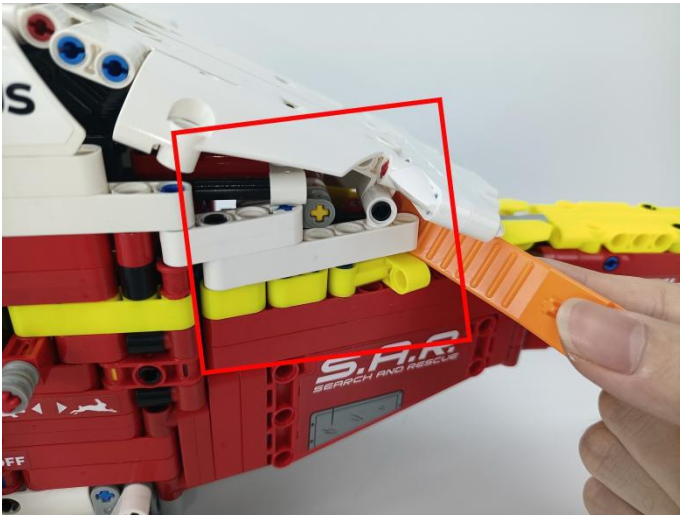
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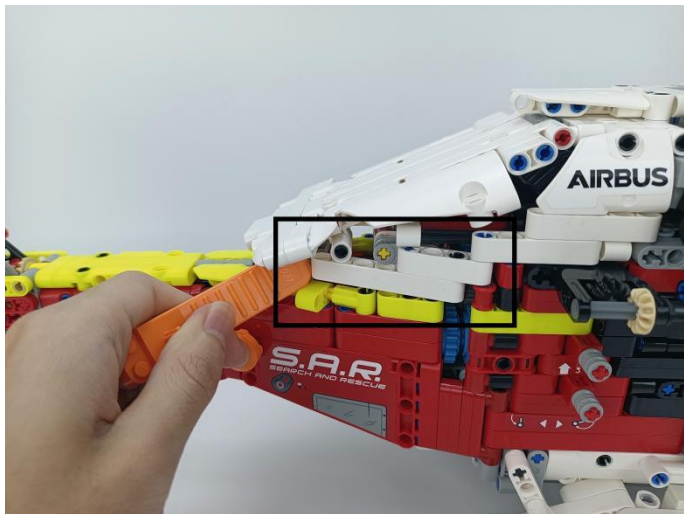
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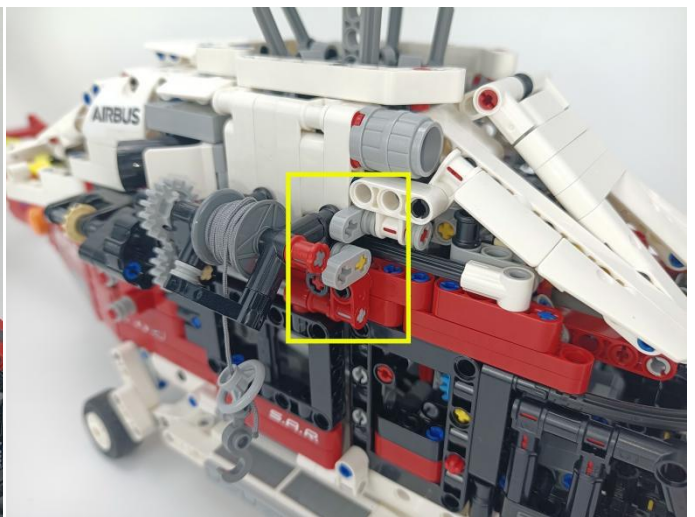
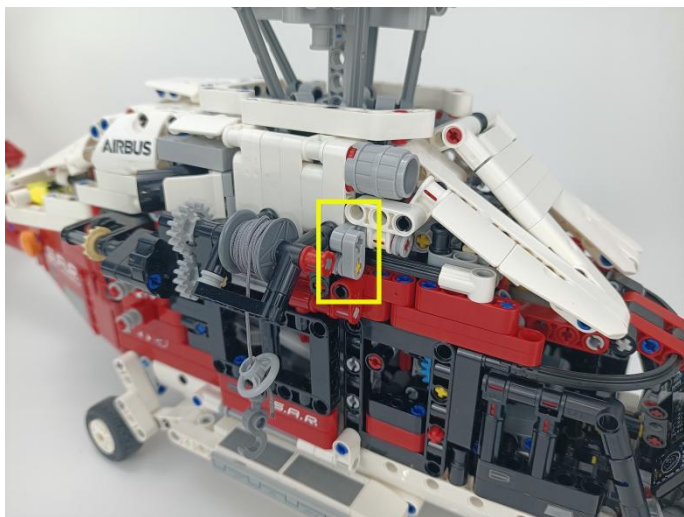
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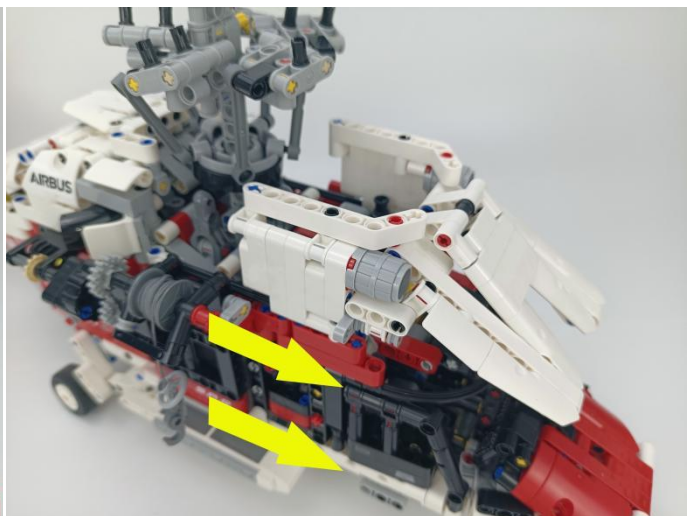
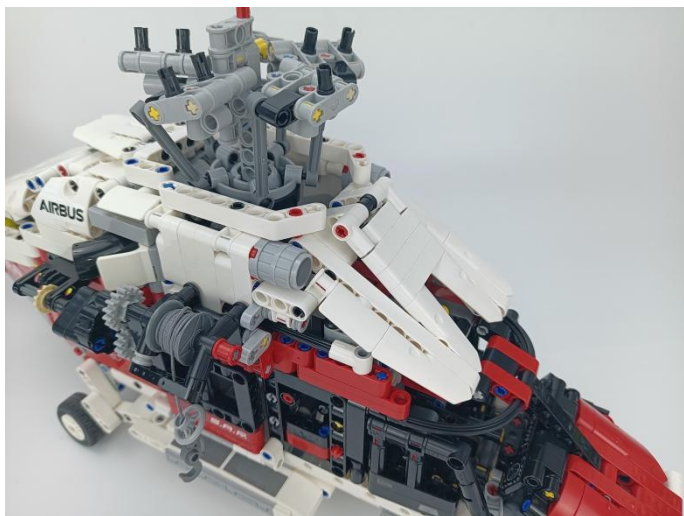
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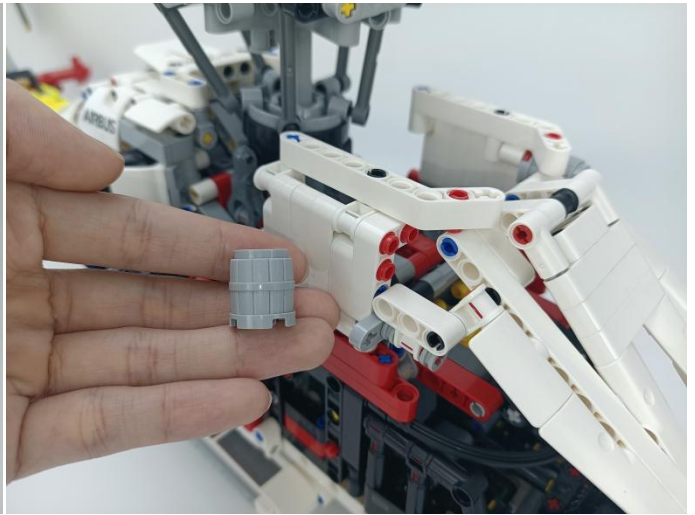
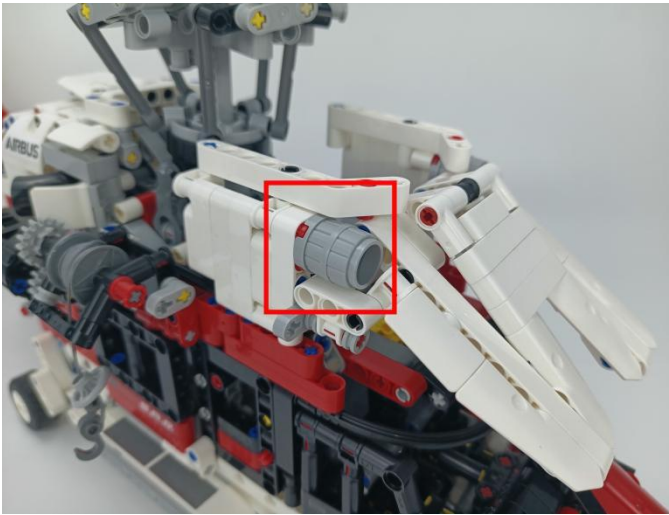
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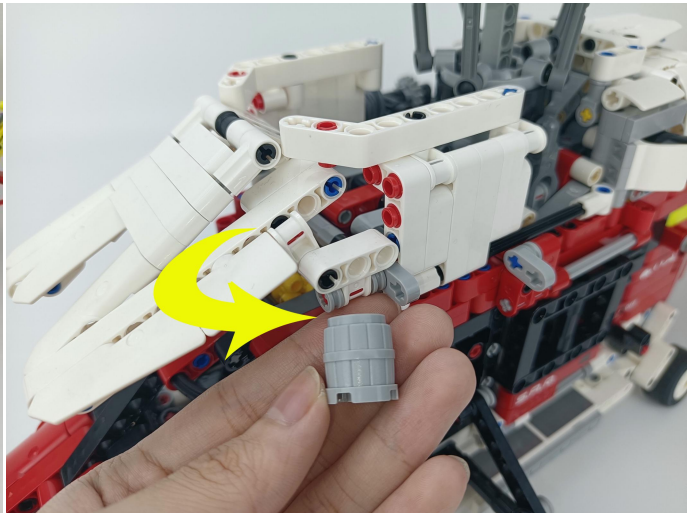
Push the blocks away.



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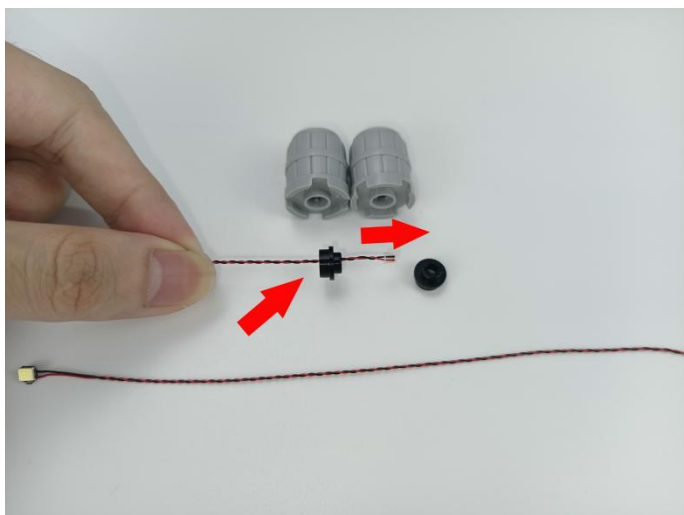
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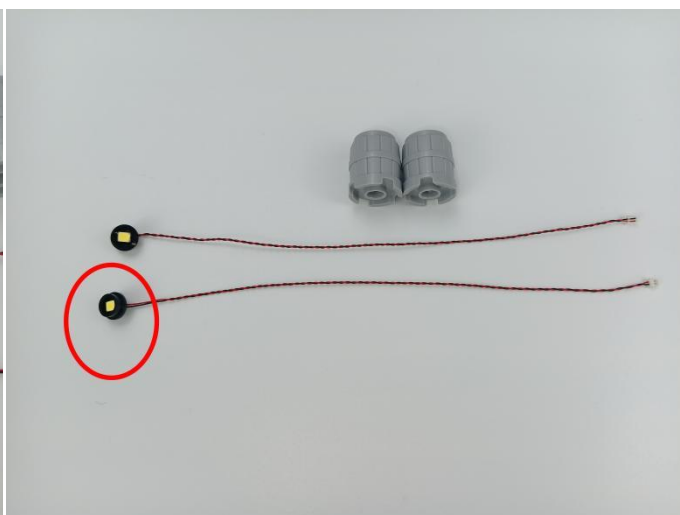
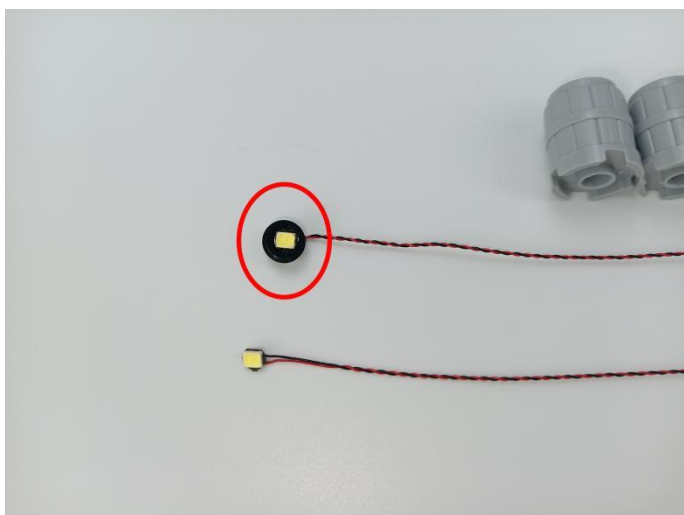
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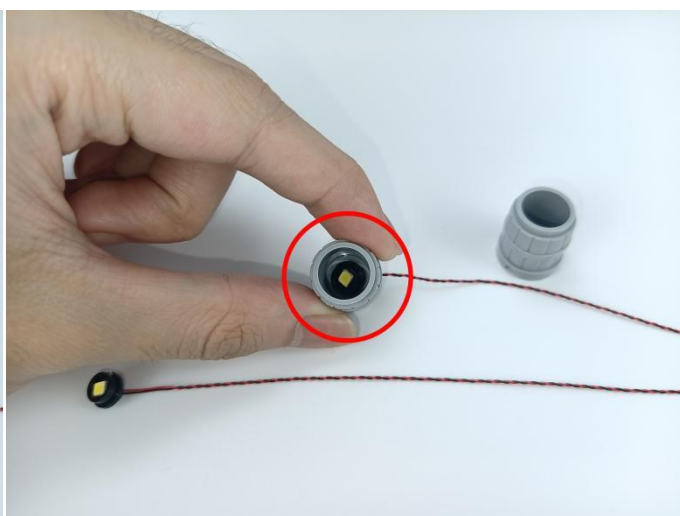
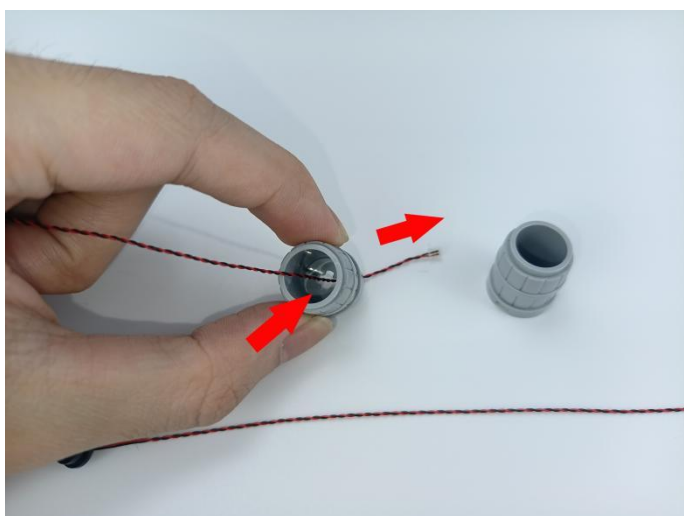
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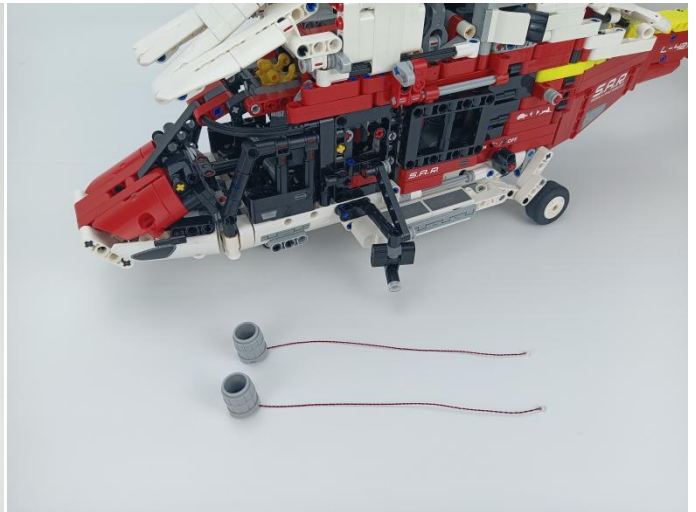
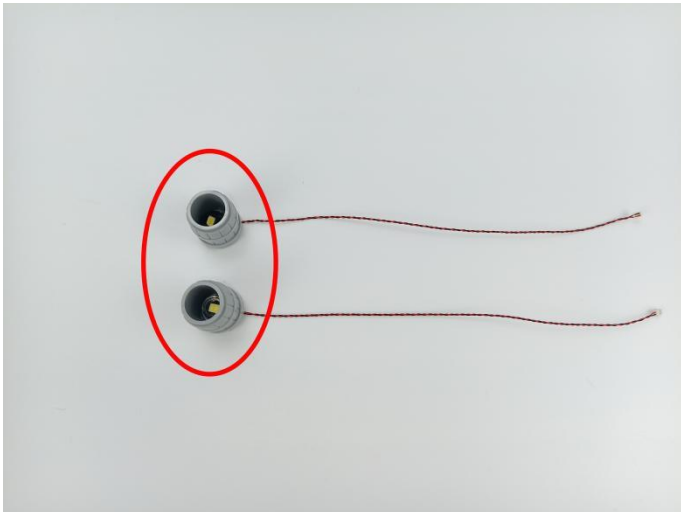
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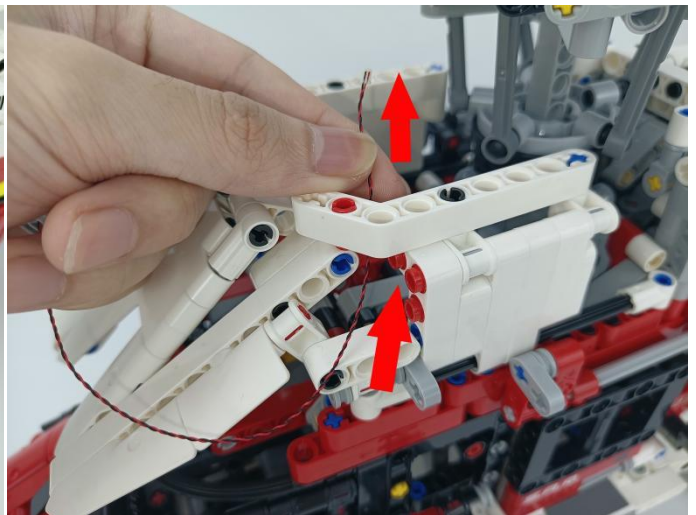
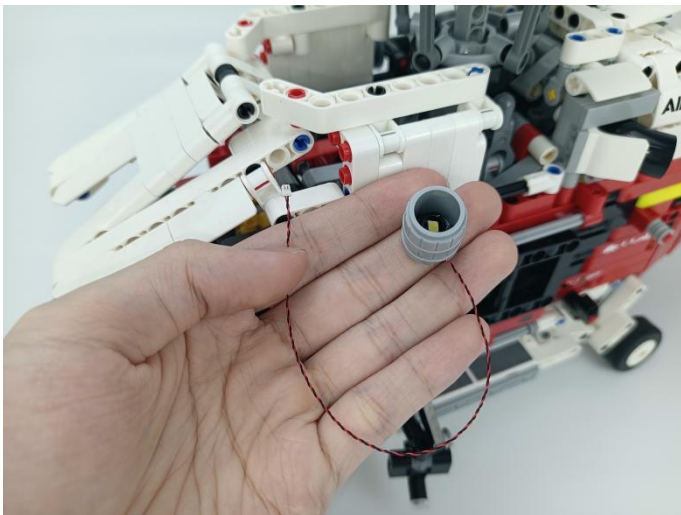
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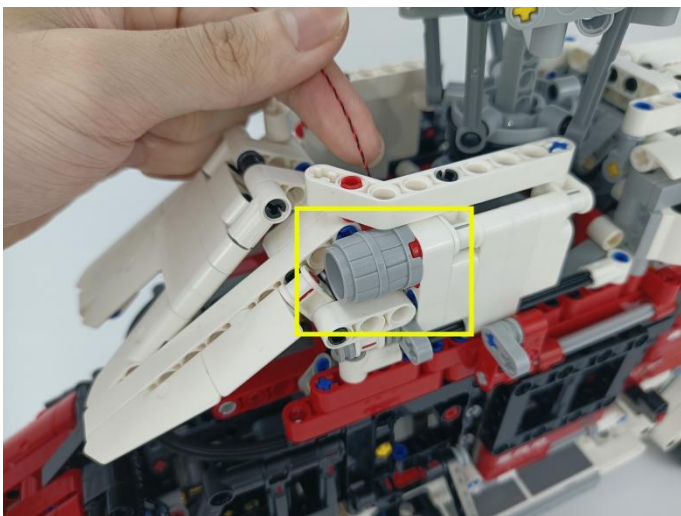
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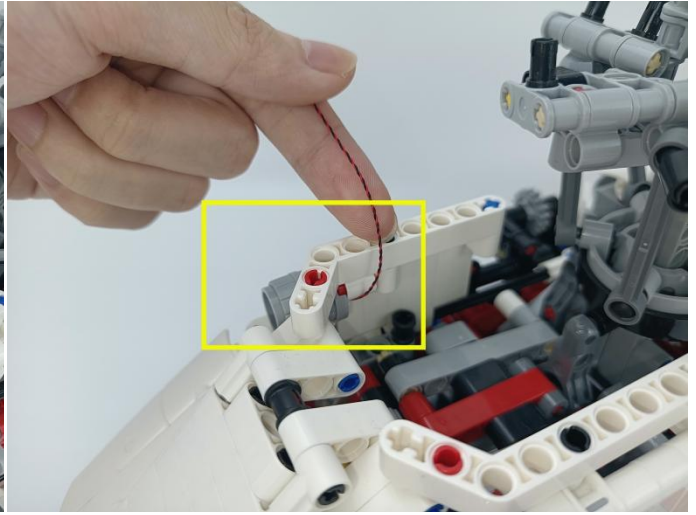
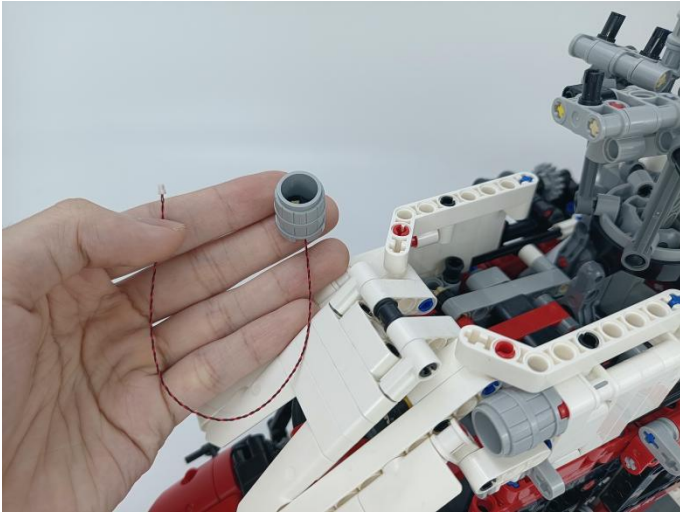
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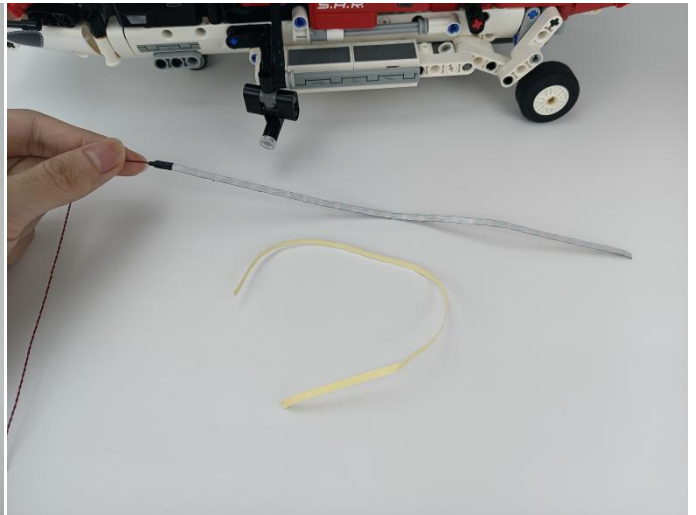
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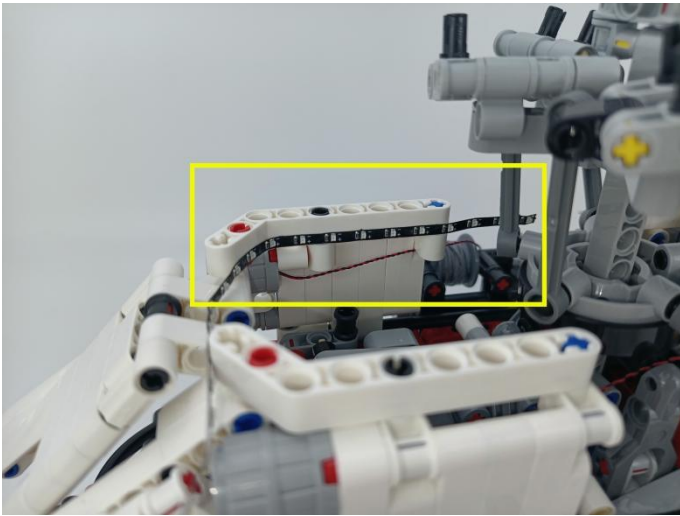
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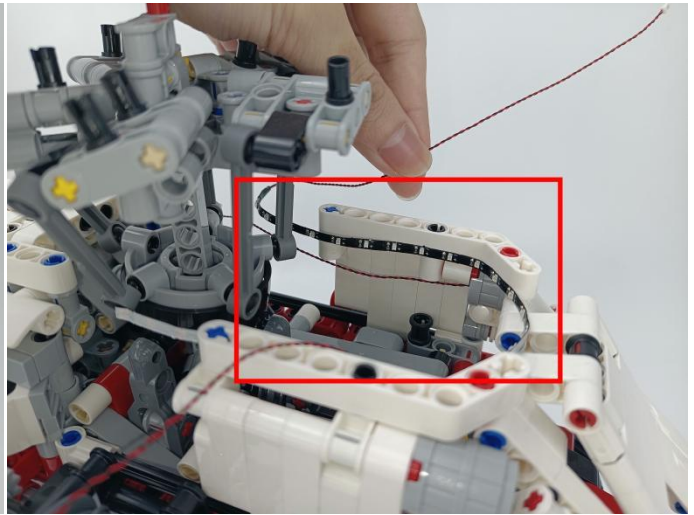
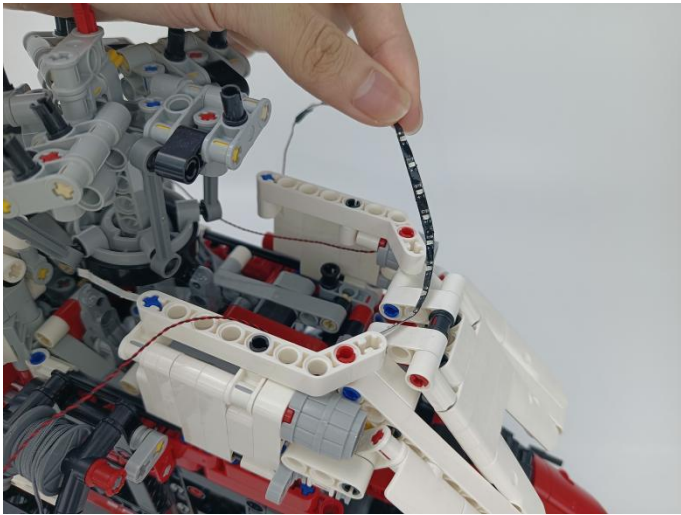
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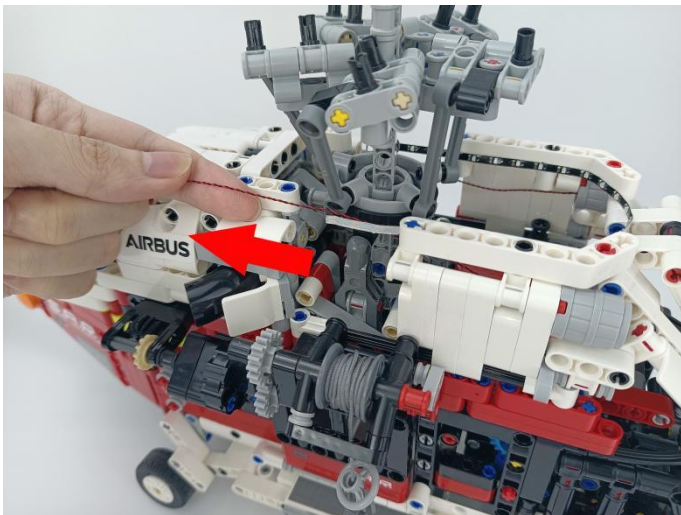
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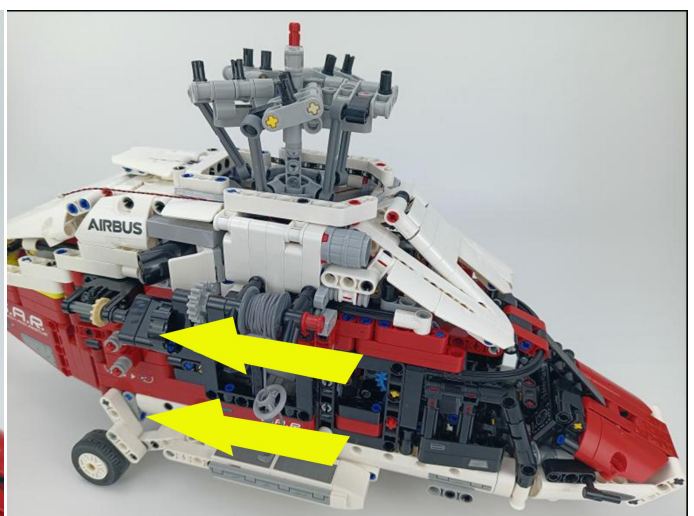
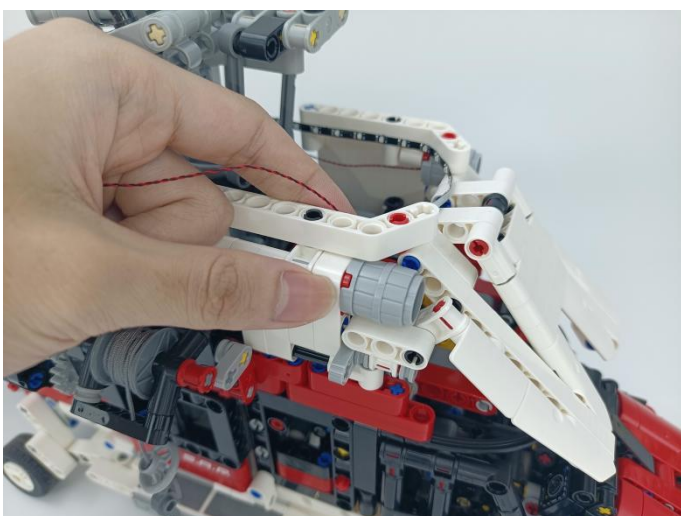
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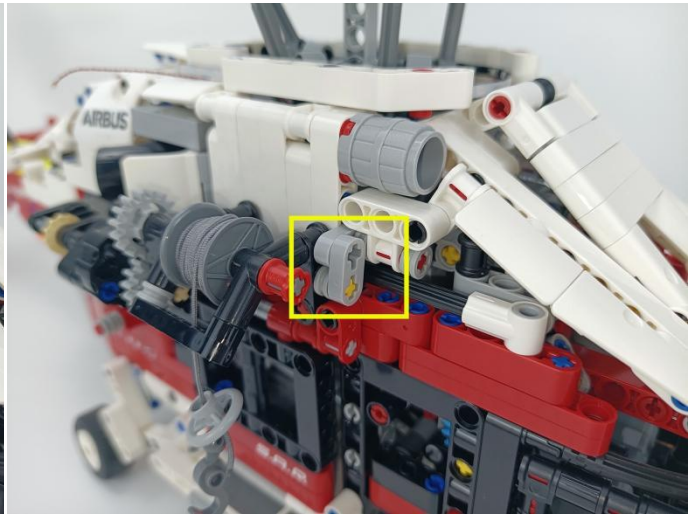
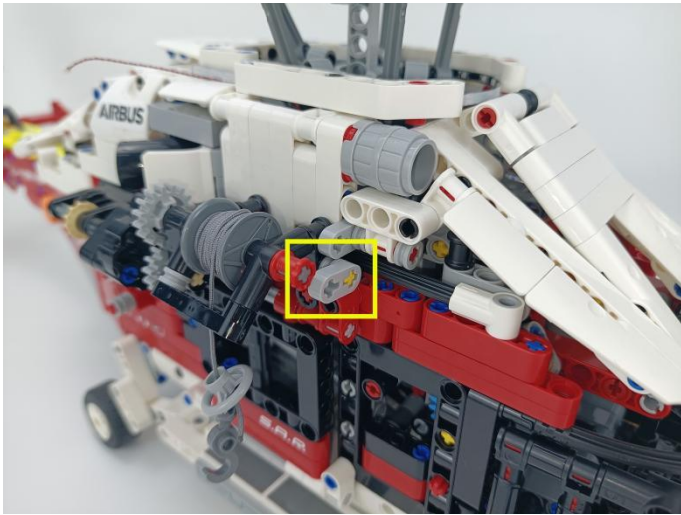
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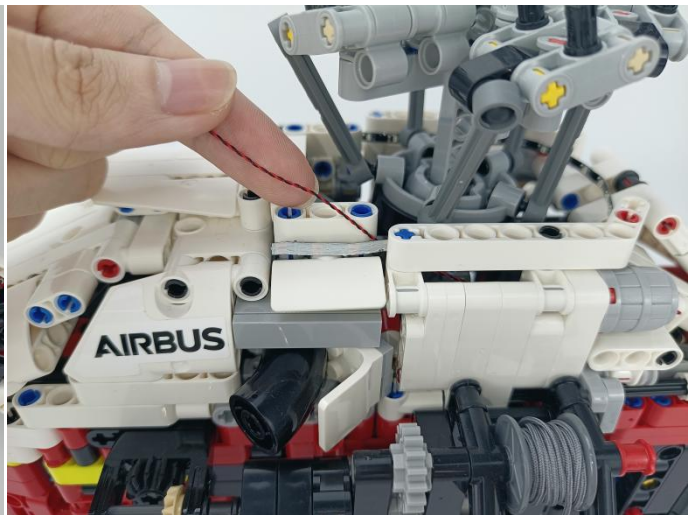
Push the block parts back.



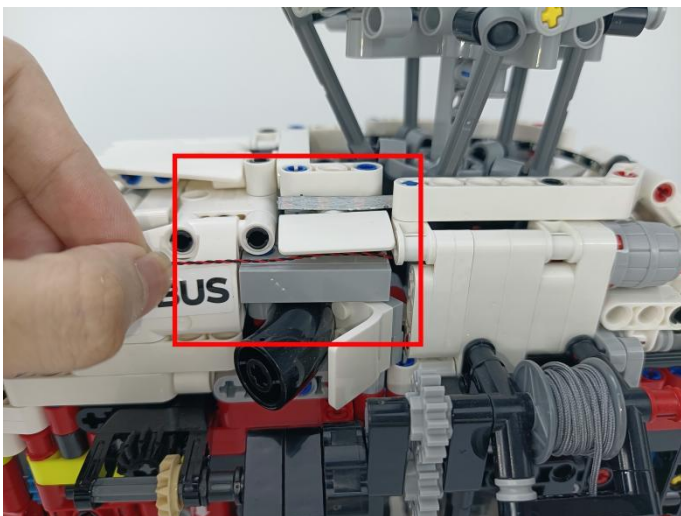
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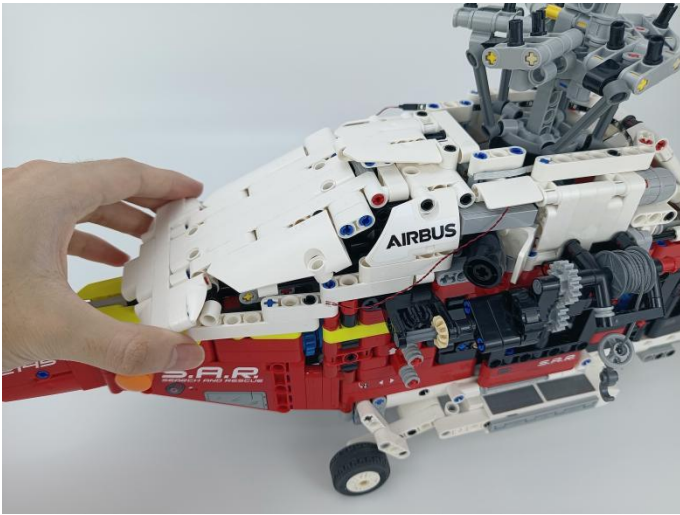
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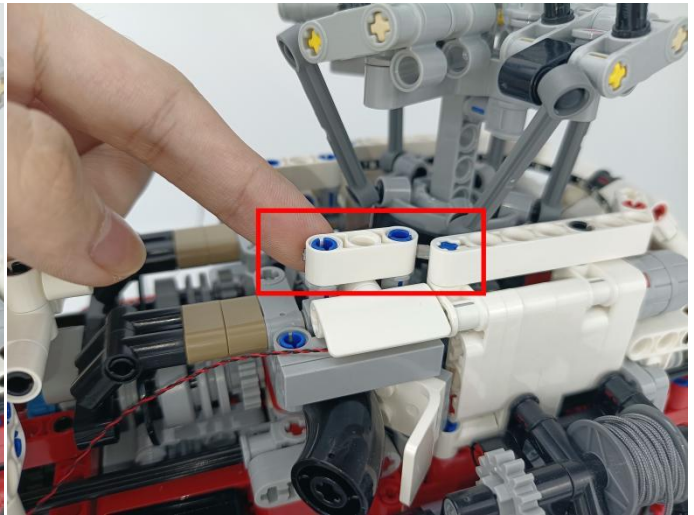
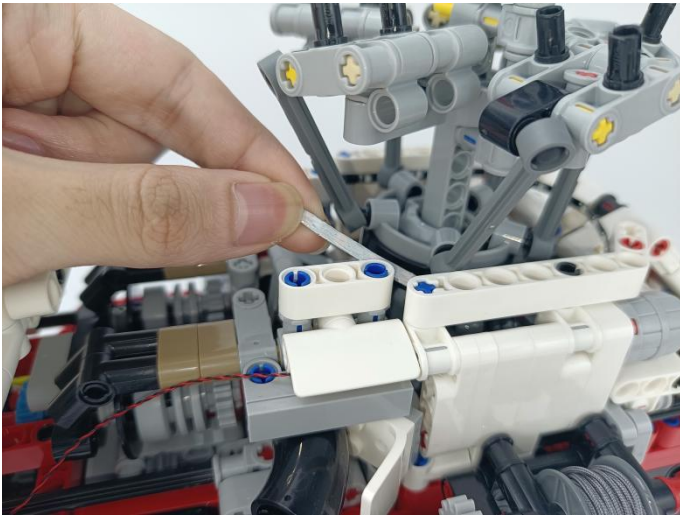
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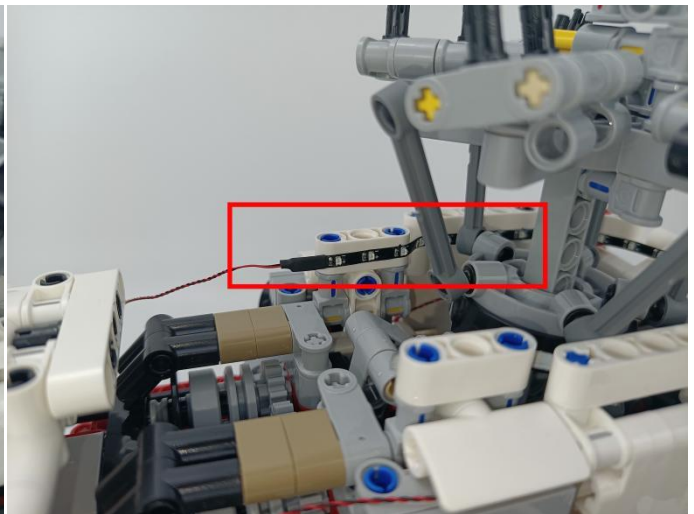
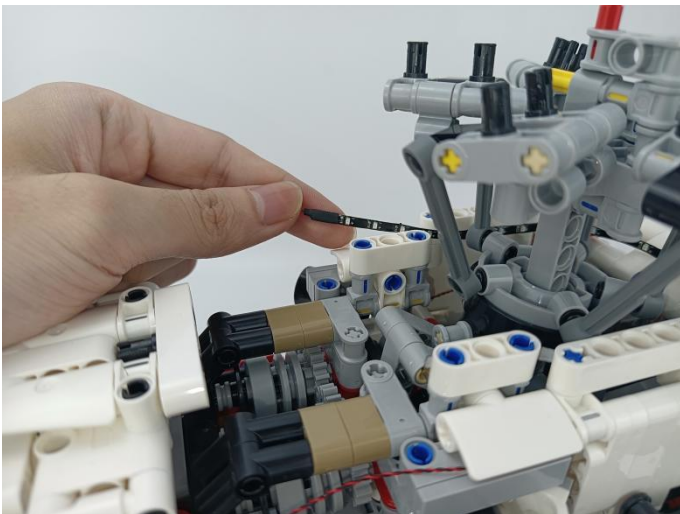
Push the blocks away.



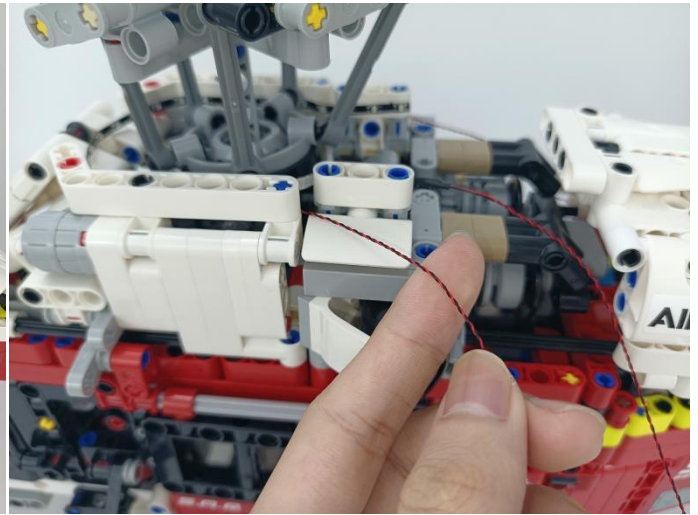
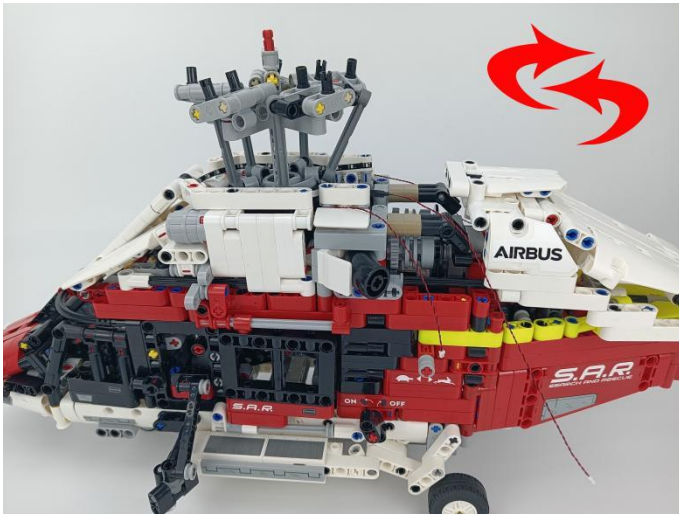
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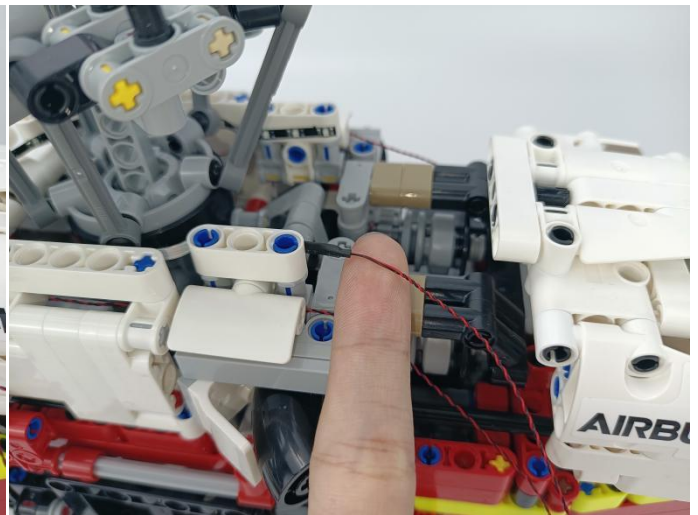
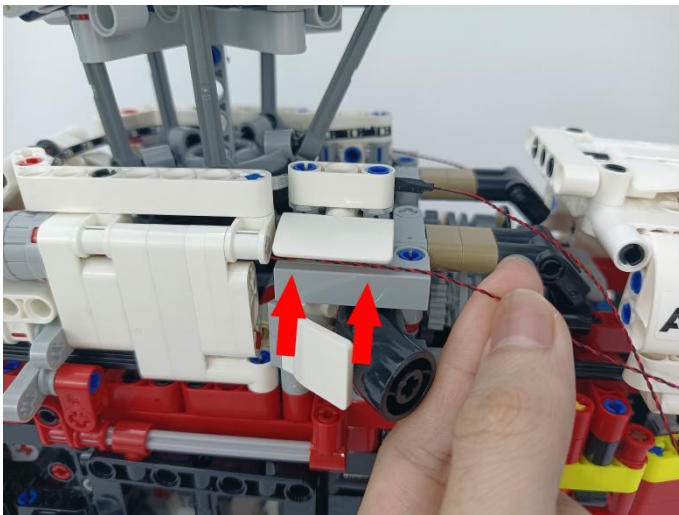
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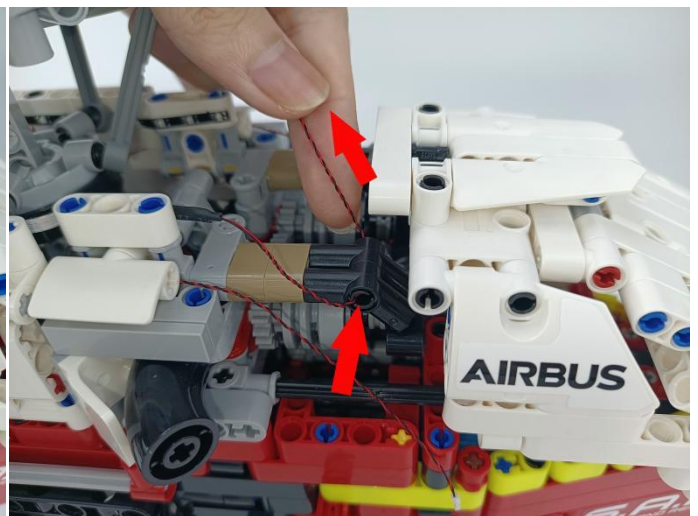
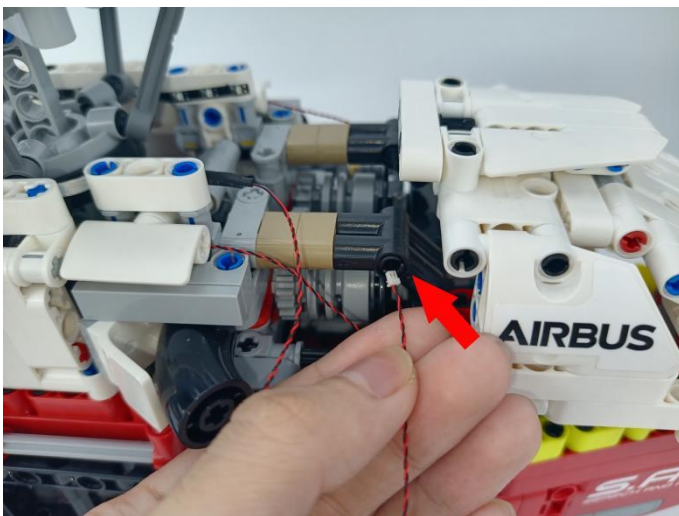
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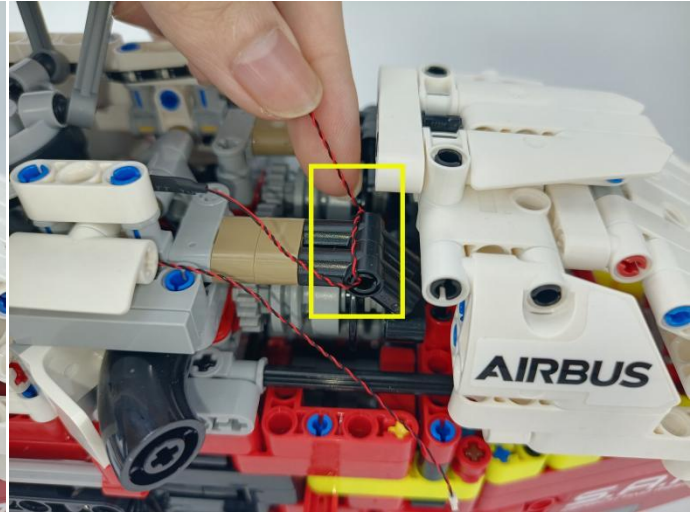
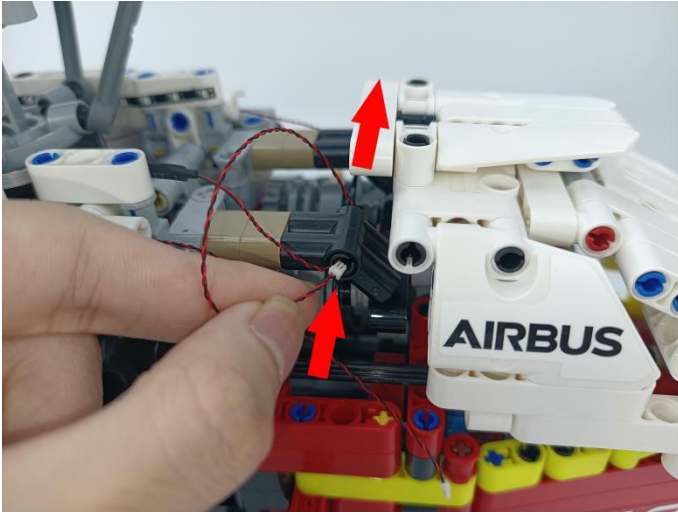
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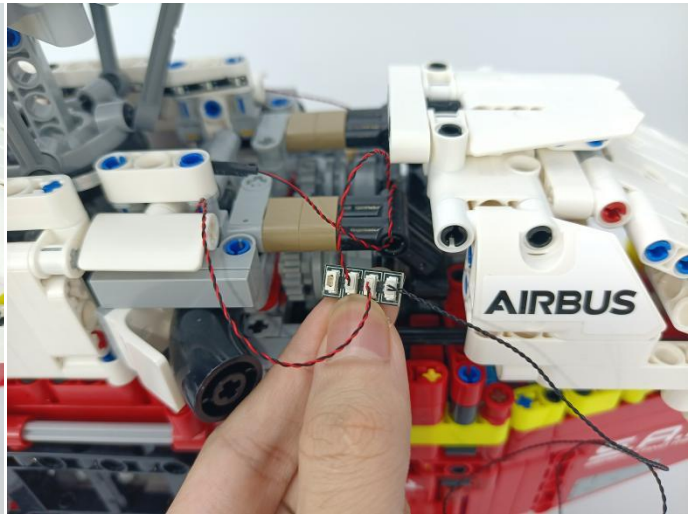
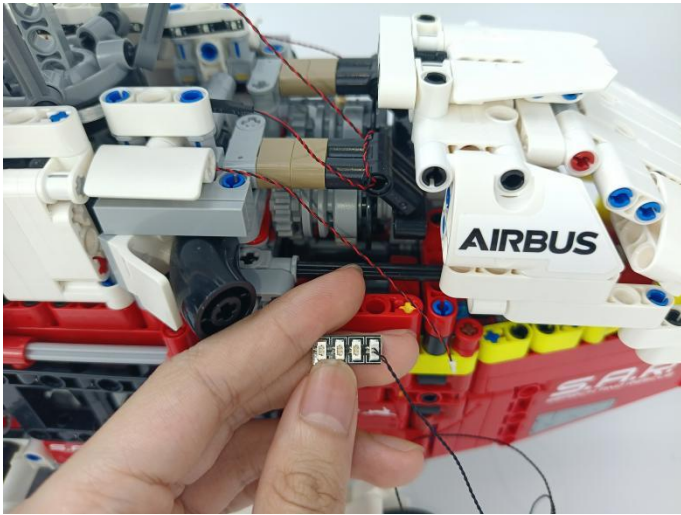
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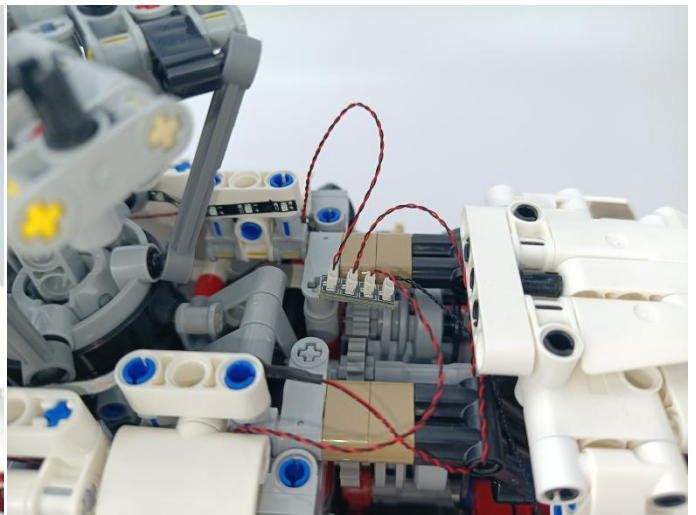
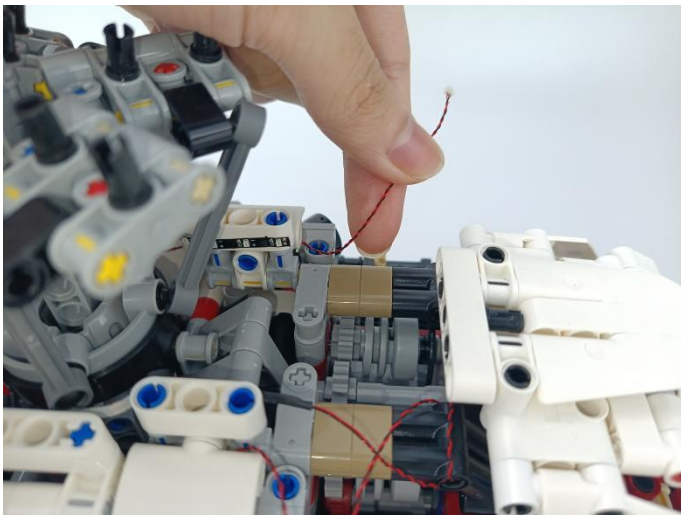
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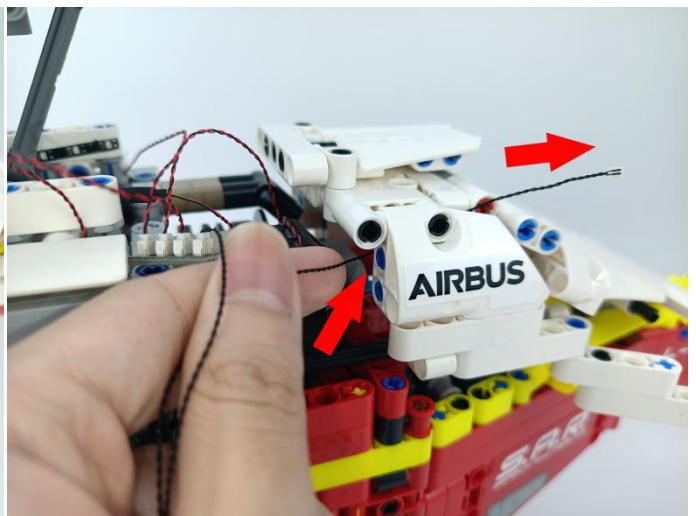
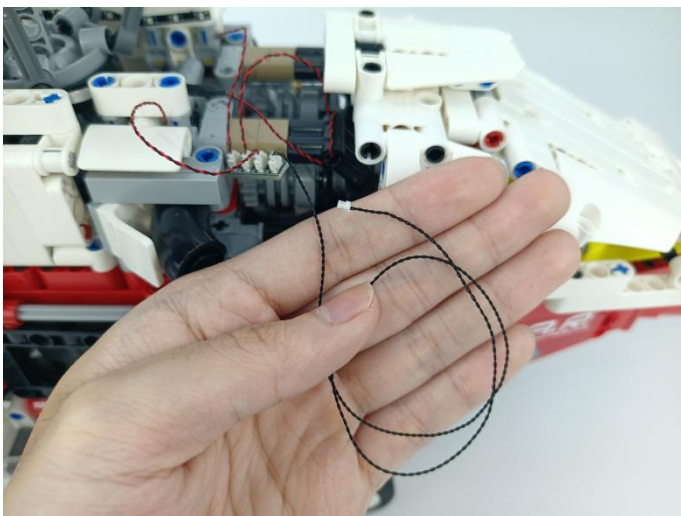
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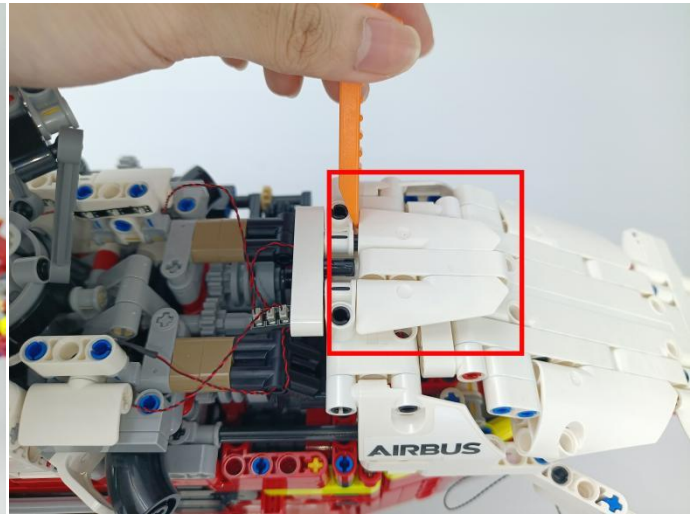
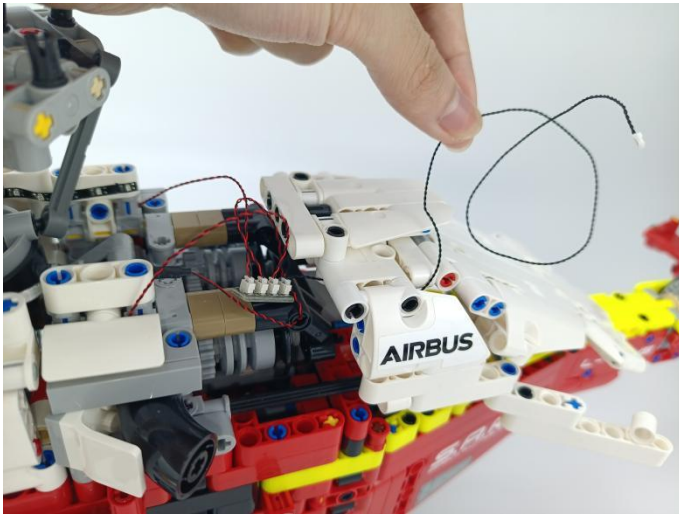
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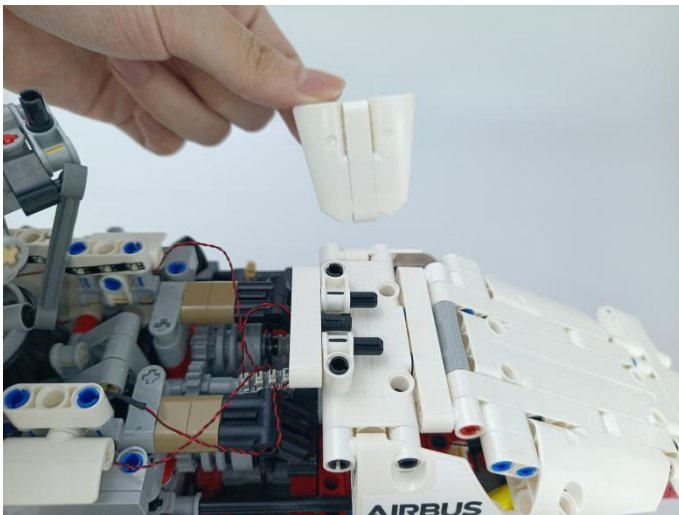
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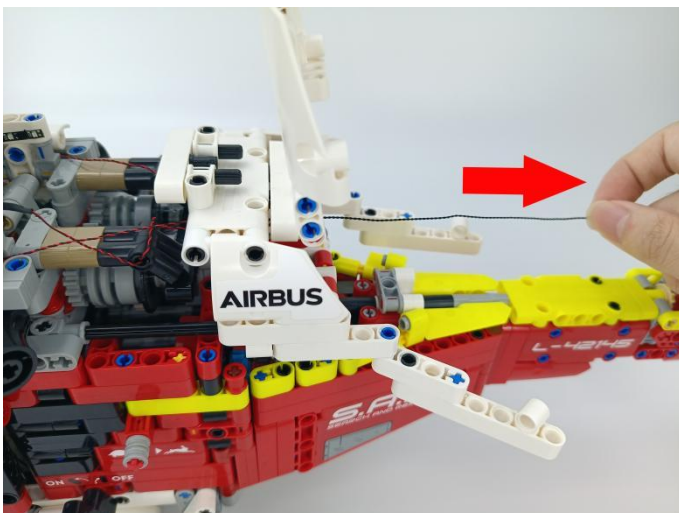
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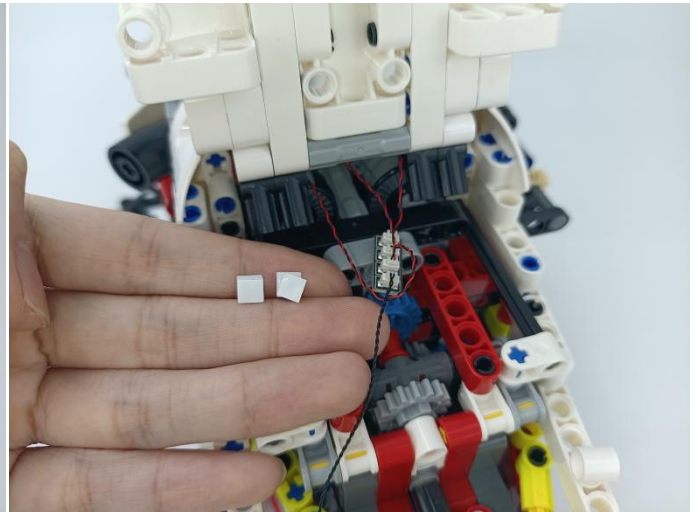
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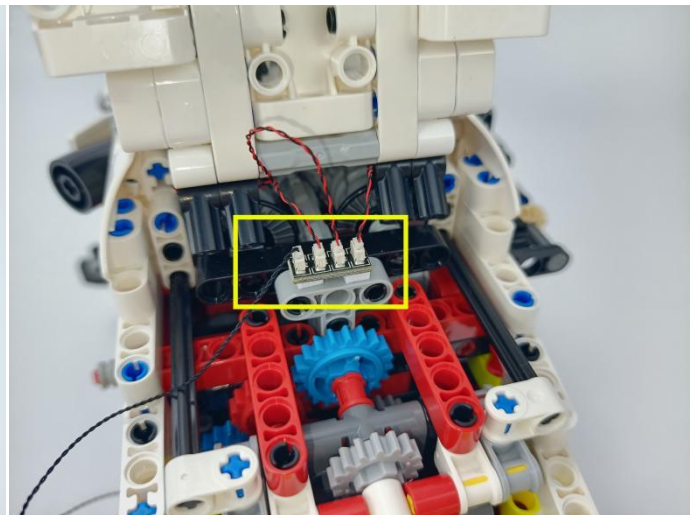
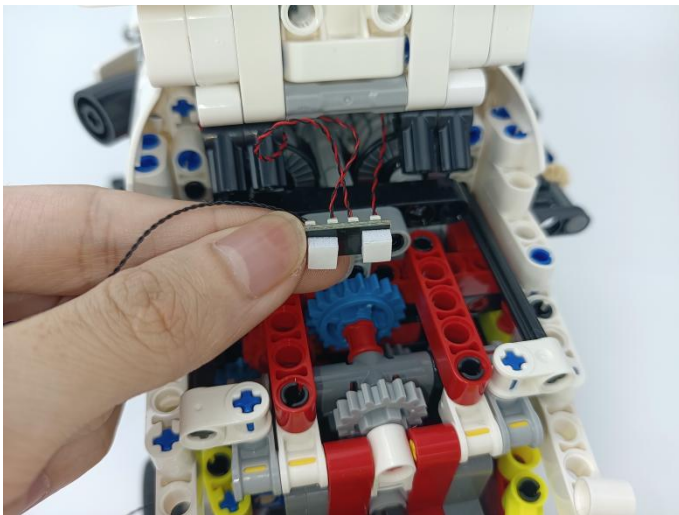
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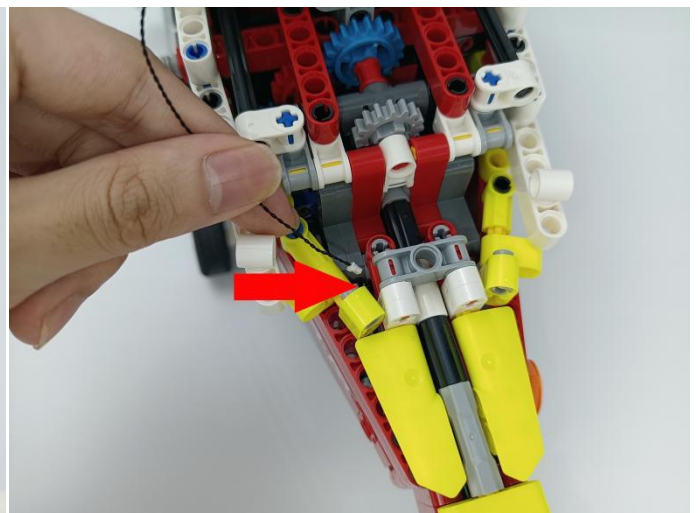
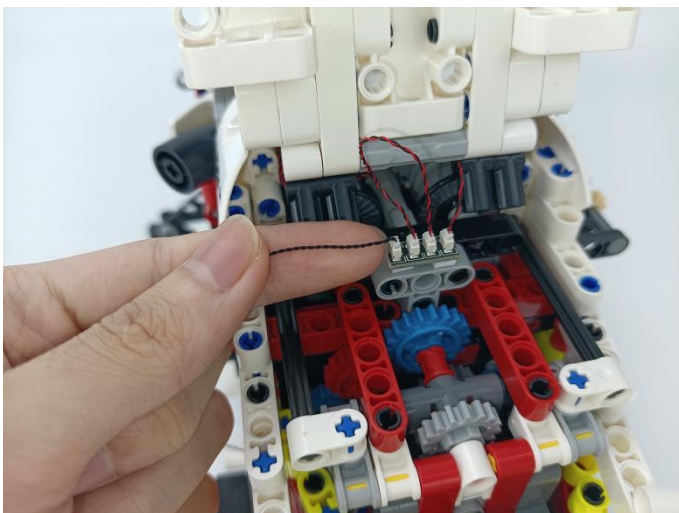
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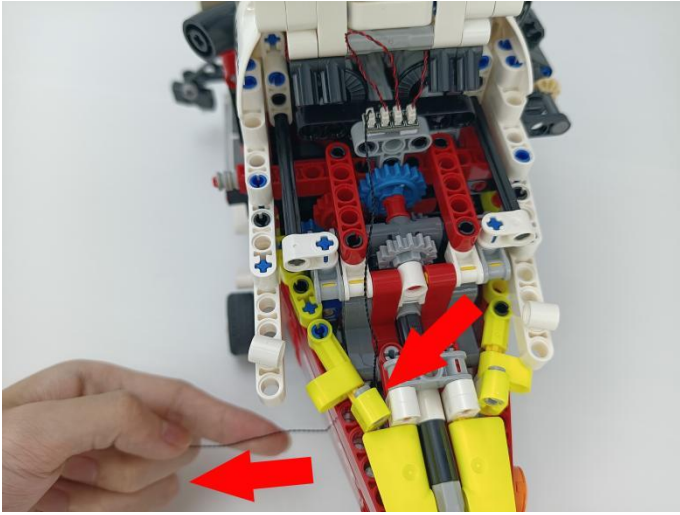
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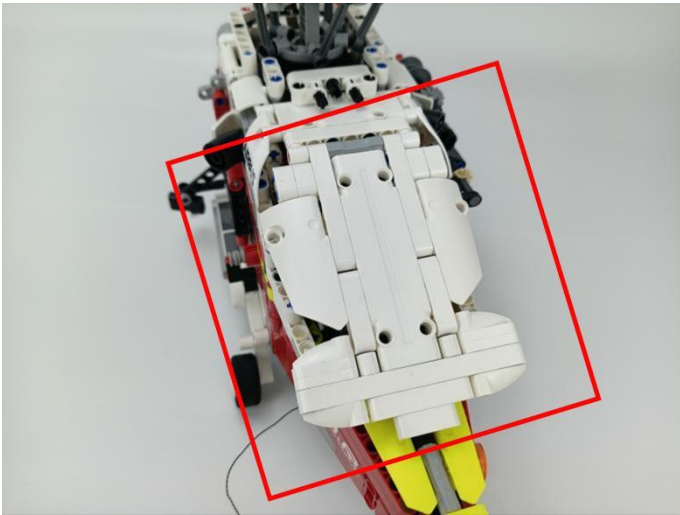
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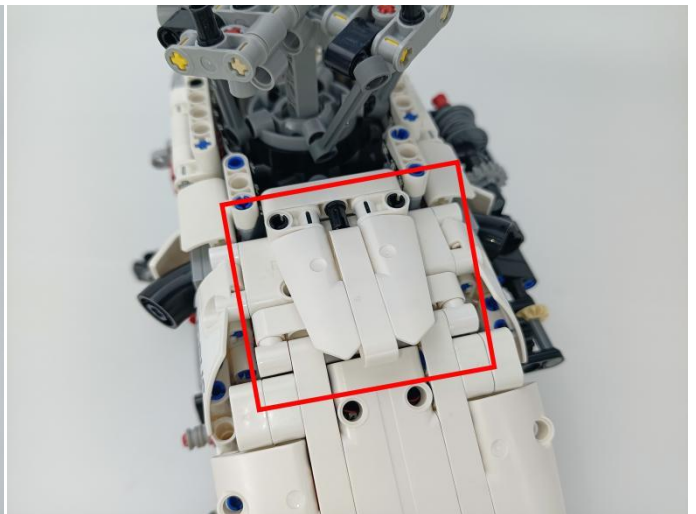
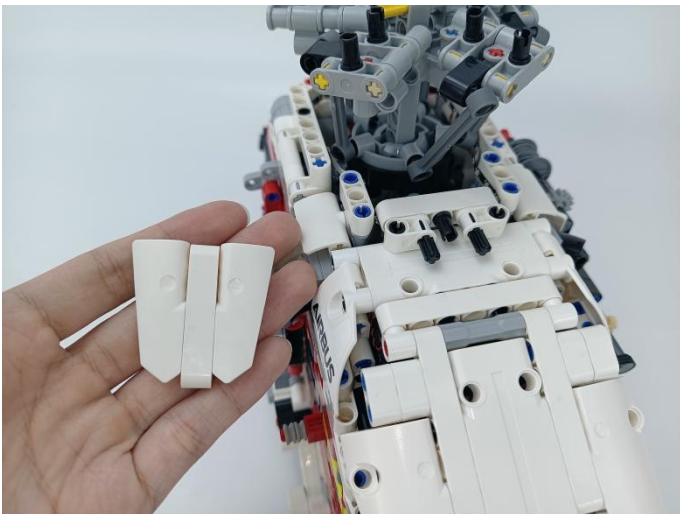
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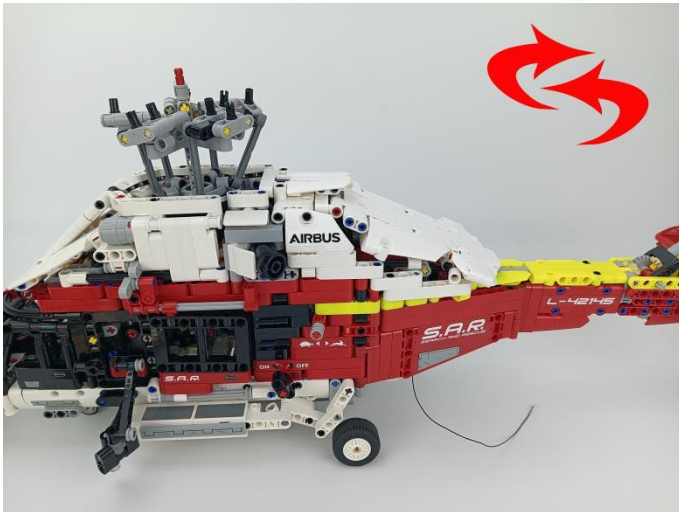


Close block part cover.



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Restore the block and push it back to its original position.



Restore the block and push it back to its original position.





Tips

The plate without slit:

The plate without slit:

The squeeze causes the protective layer of the wire to be torn apart, the positive and negative wires touch together, and the set is short-circuited and the hot or wire is crushed, the wire to be disconnected and don't work.



The plate with slit:

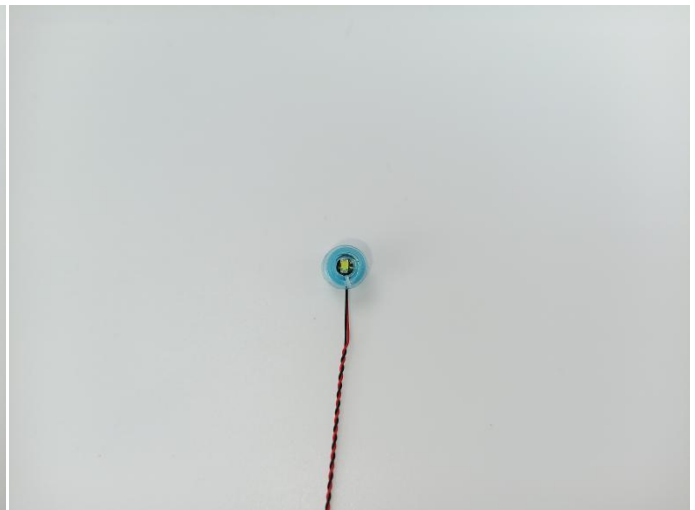
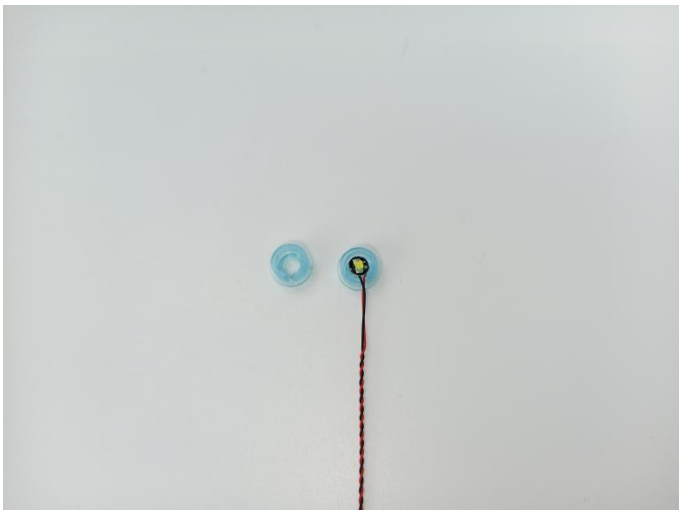
The plate with slit:

The wire has enough space to avoid being squeezed and with longer service life and more stable effect.

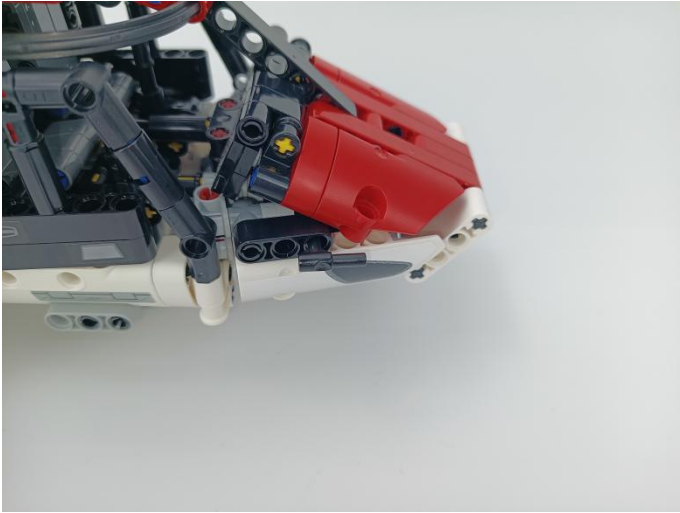


The slit on the the plate round 1X1 are hand-made to avoid squeeze the wire and cause short circuit and abnormal heat during installation.

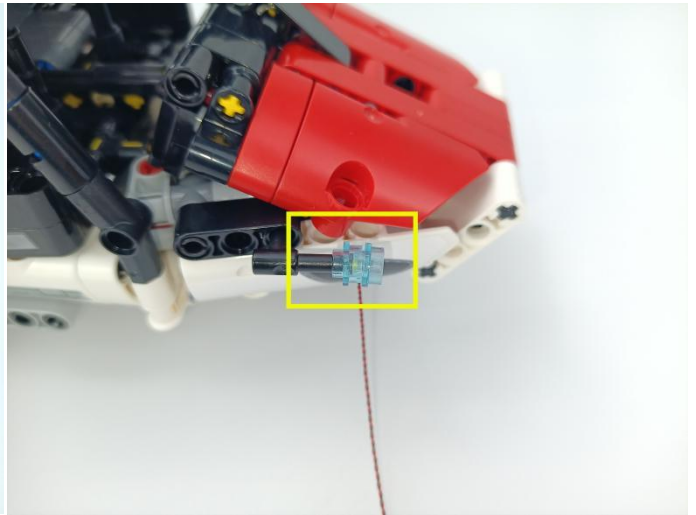
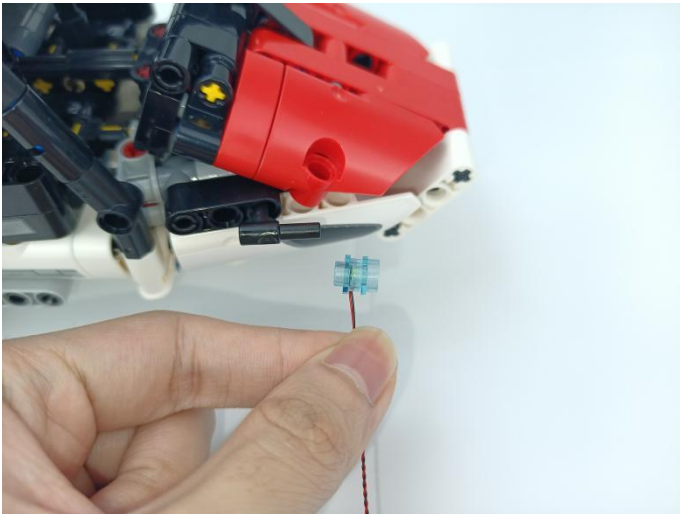
Combined building block parts.



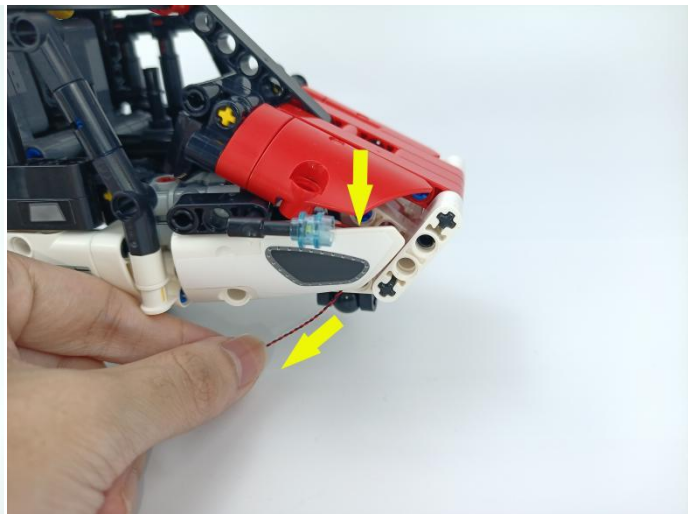
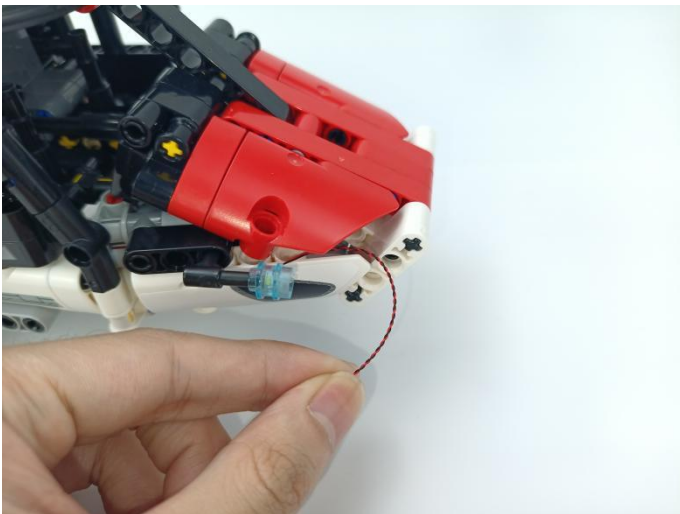
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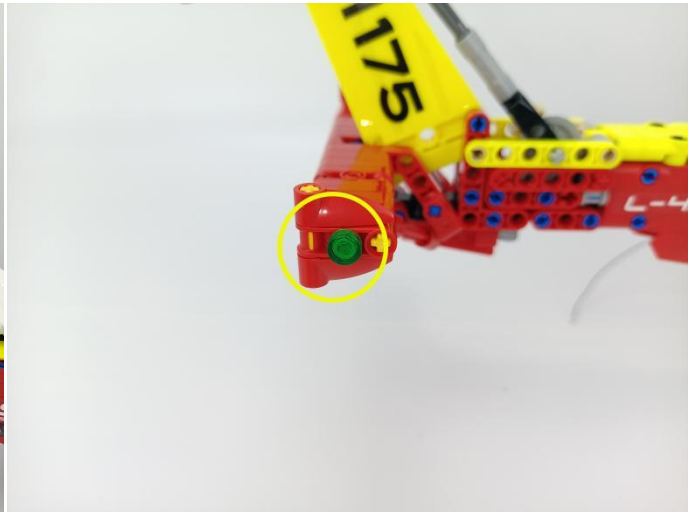
48



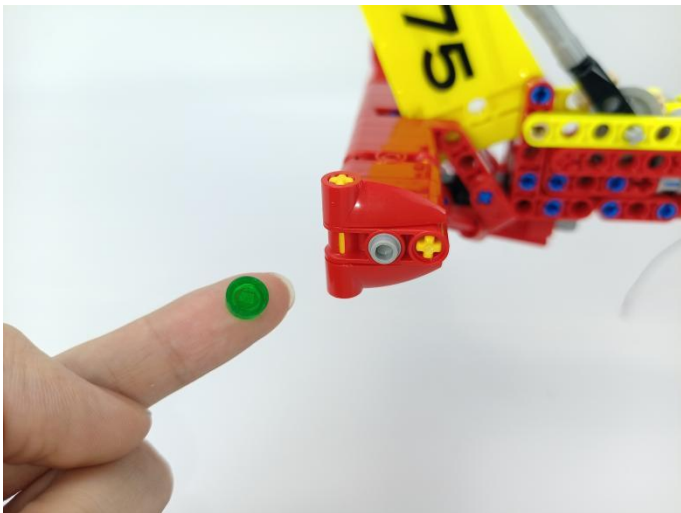
49



50



51



52



Tips

The plate without slit:

The plate without slit:

The squeeze causes the protective layer of the wire to be torn apart, the positive and negative wires touch together, and the set is short-circuited and the hot wire is crushed, the wire to be disconnected and don't work.



The plate with slit:

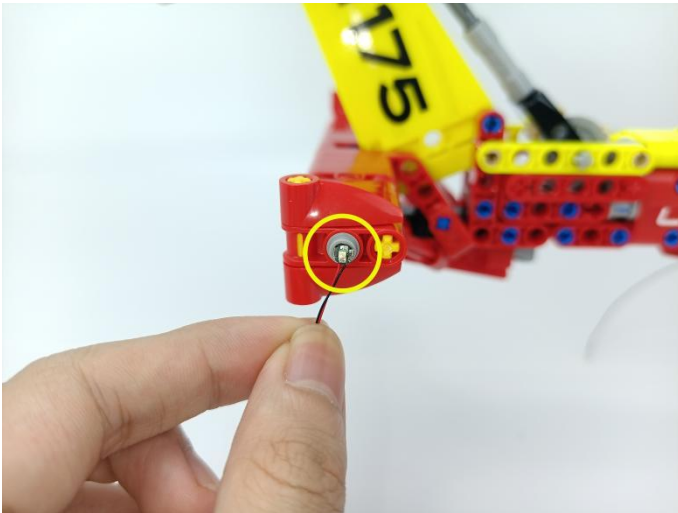
The plate with slit:

The wire has enough space to avoid being squeezed and is endowed with longer service life and more stable effect.

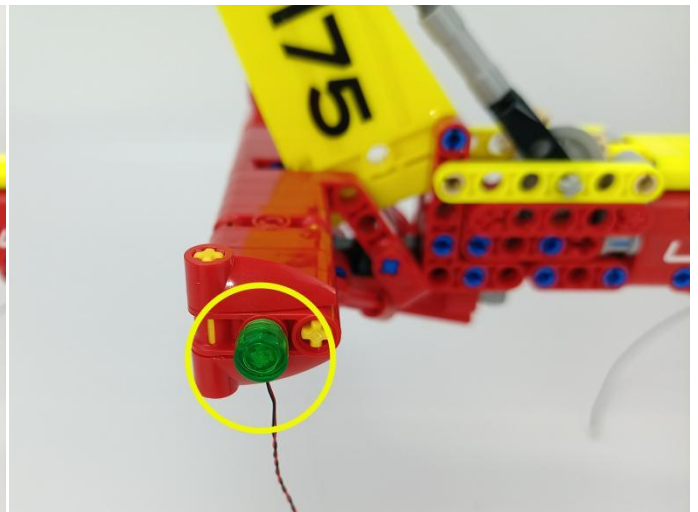
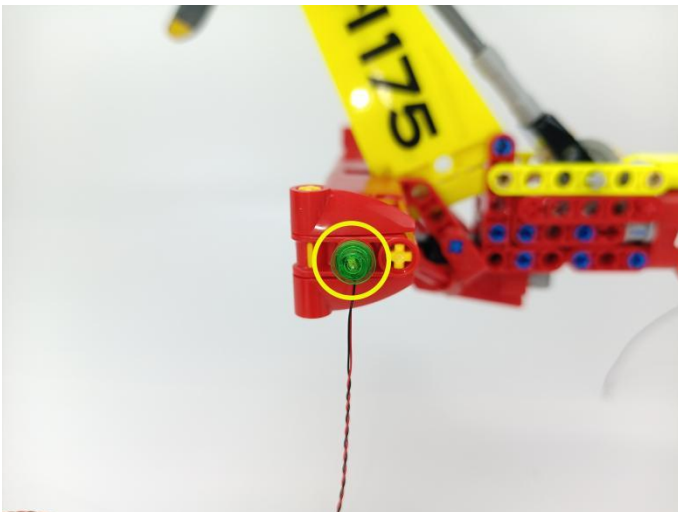


The slit on the the plate round 1X1 are hand-made to avoid squeeze the wire and cause short circuit and abnormal heat during installation.

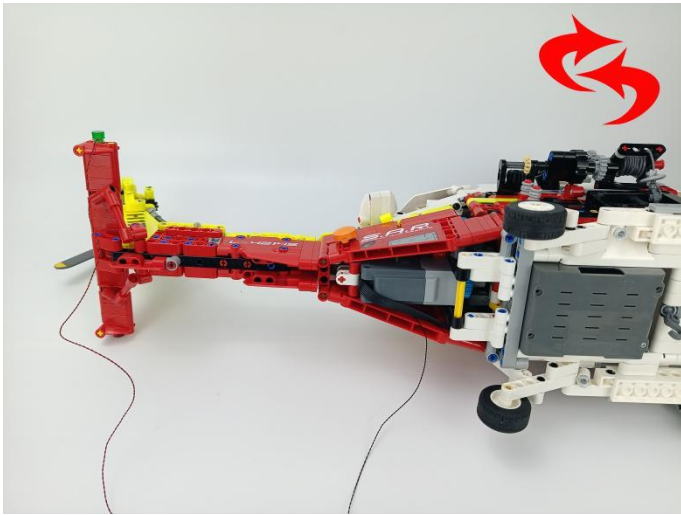
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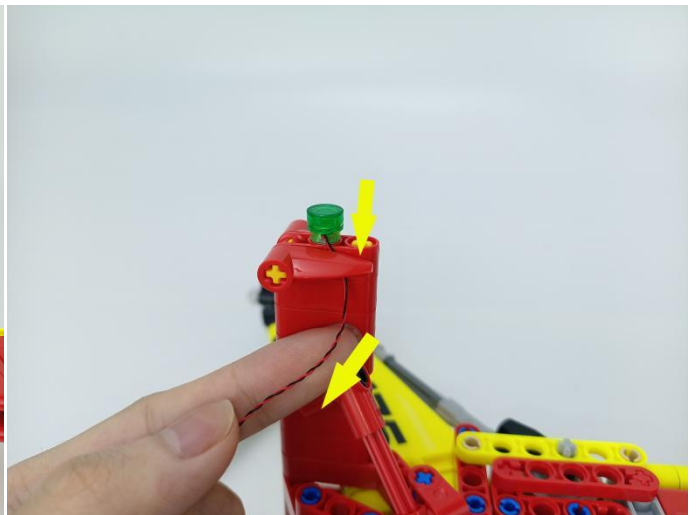
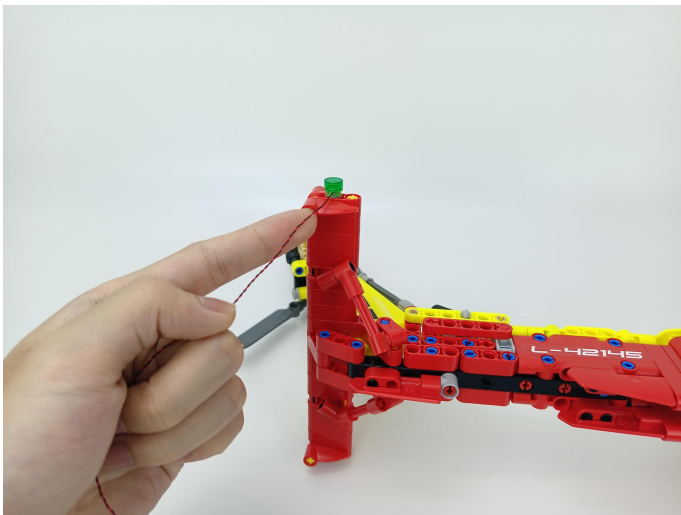
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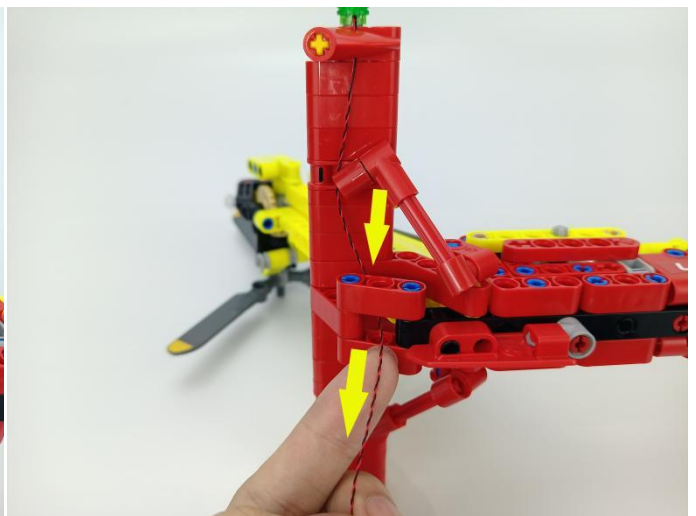
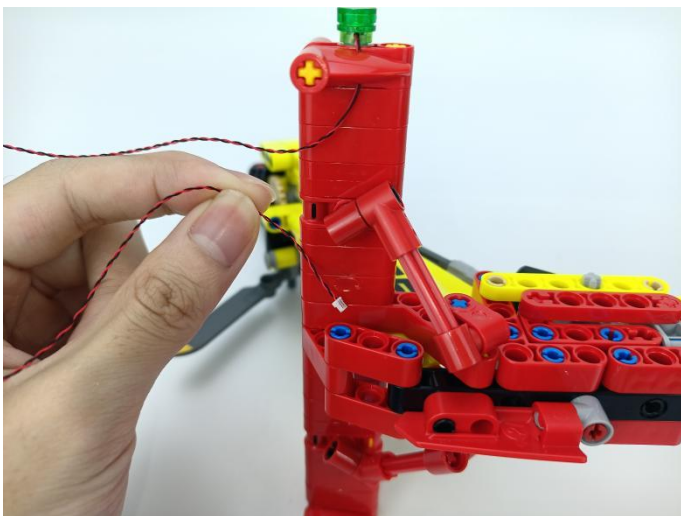
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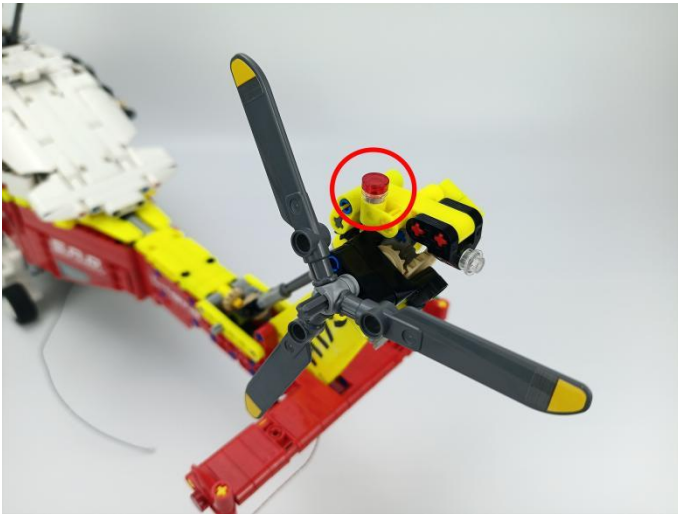
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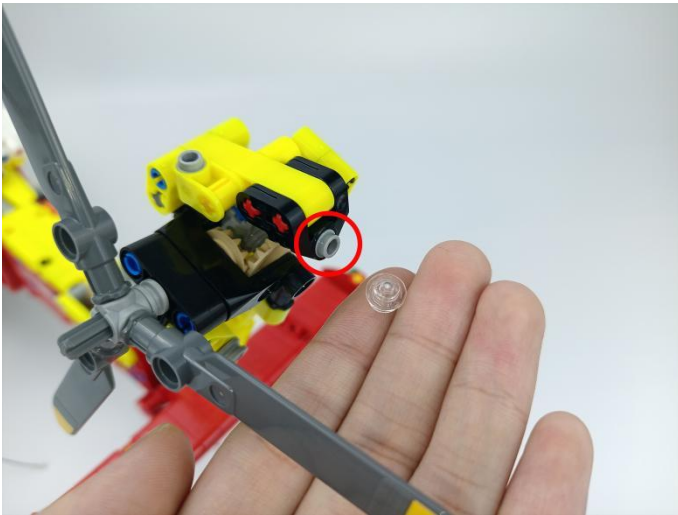
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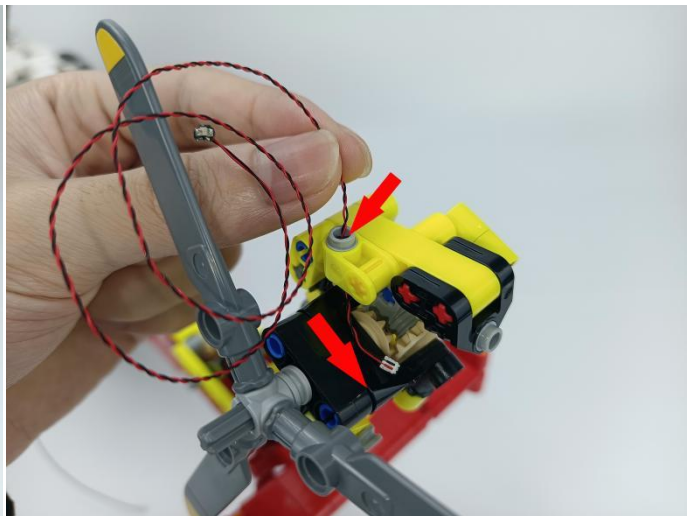
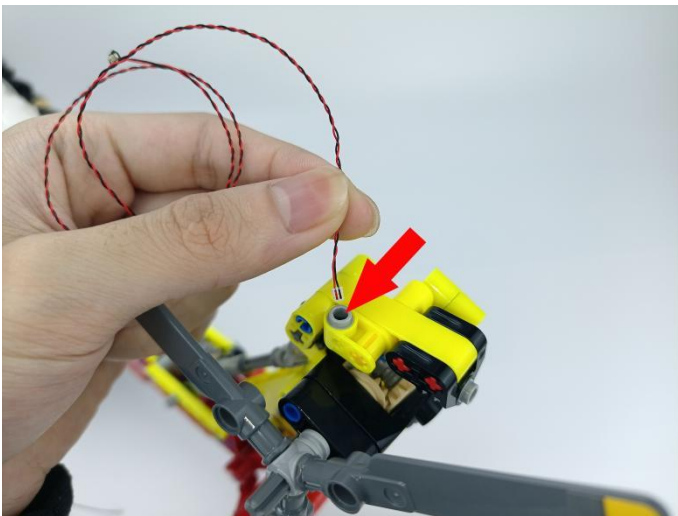
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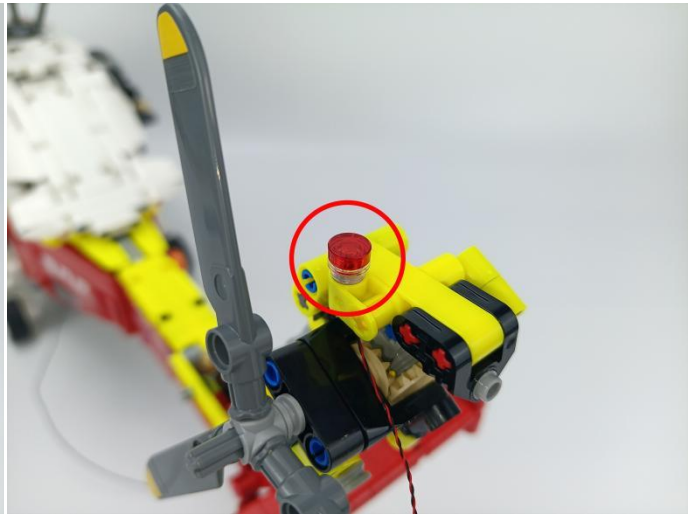
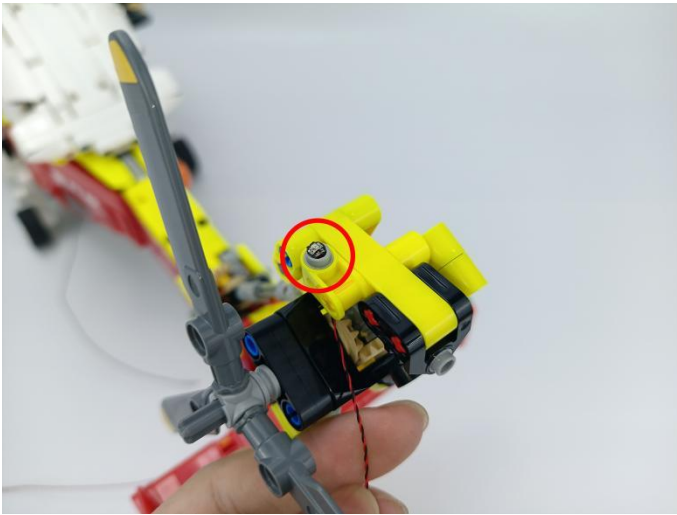
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60



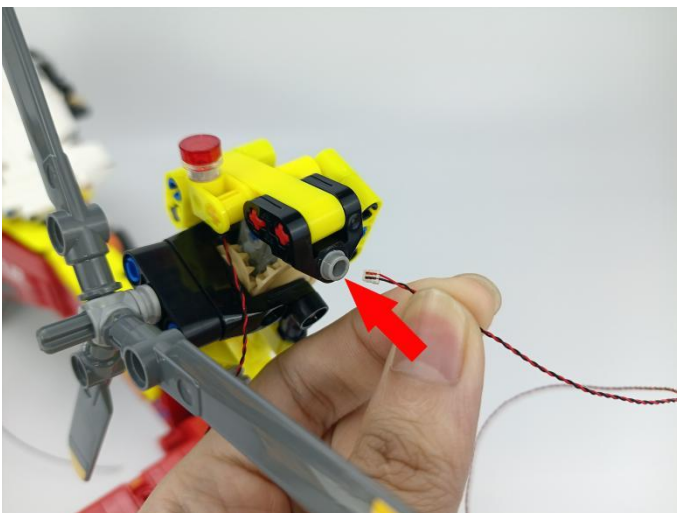
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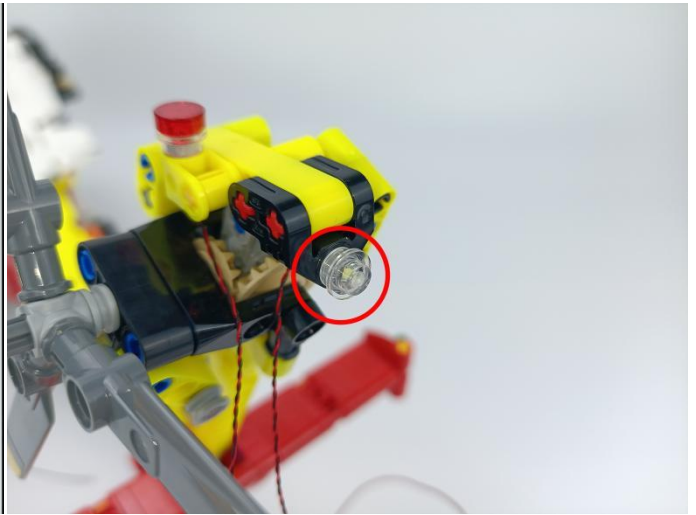
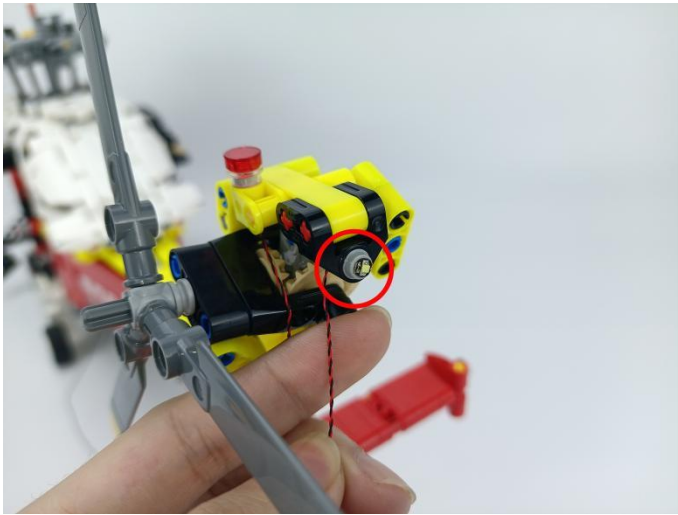
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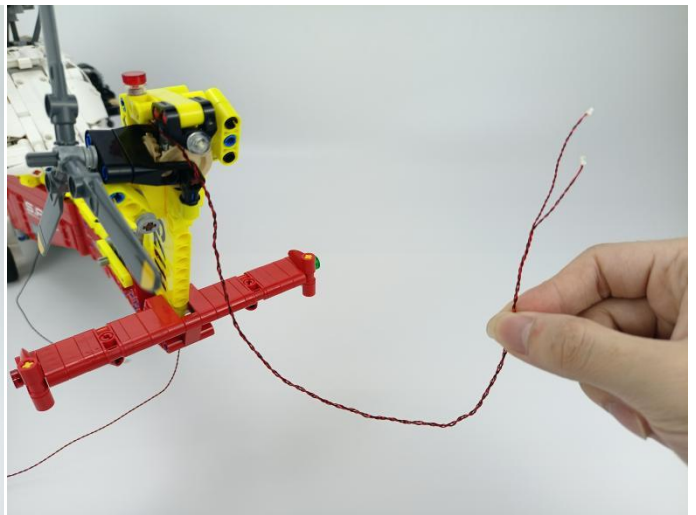
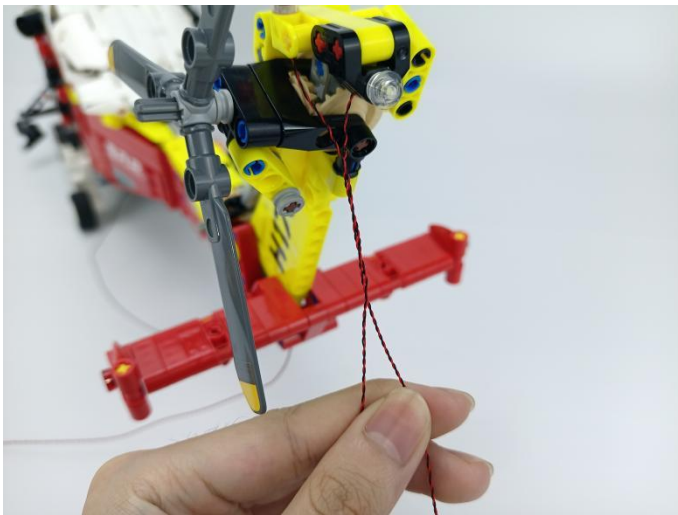
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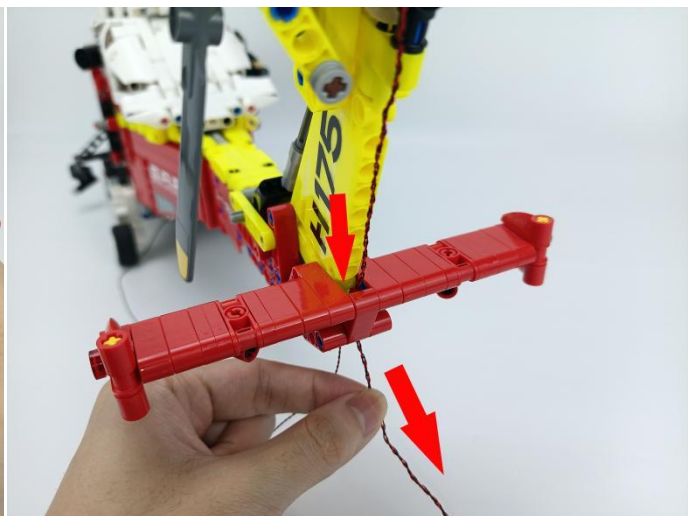
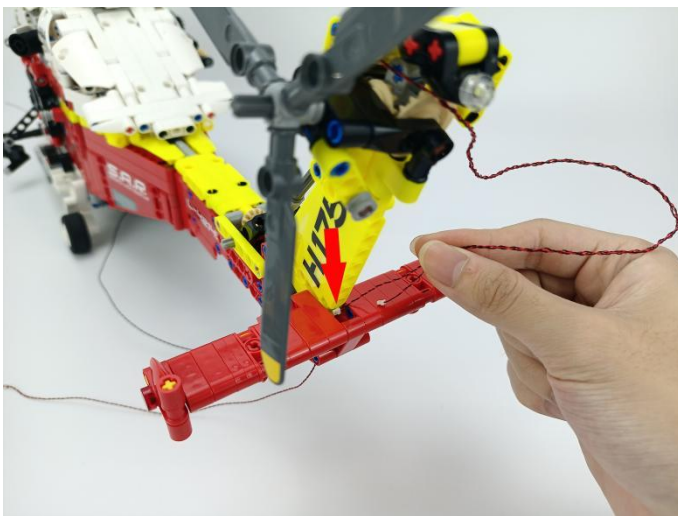
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65



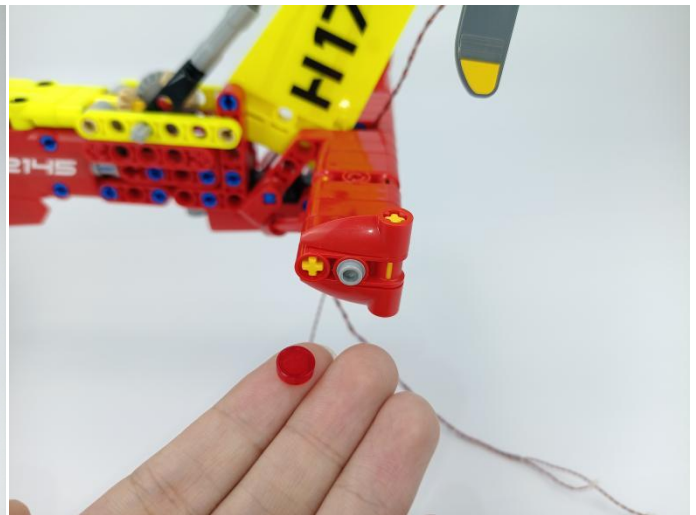
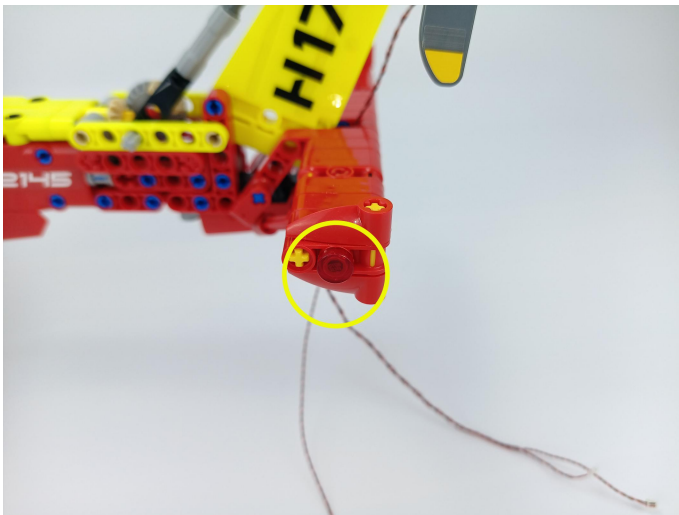
66



67



68



69

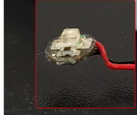


Tips

The plate without slit:

The plate without slit:

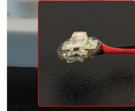
The squeeze causes the protective layer of the wire to be torn apart, the positive and negative wires touch together, and the set is short-circuited and the hot wire is crushed, the wire to be disconnected and don't work.



The plate with slit:

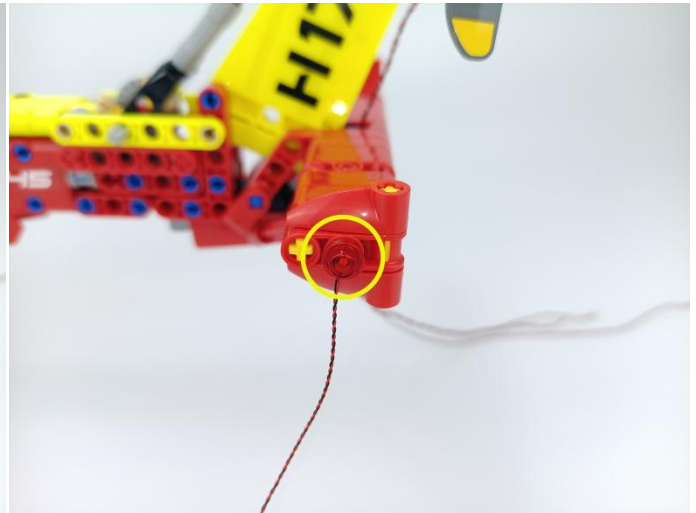
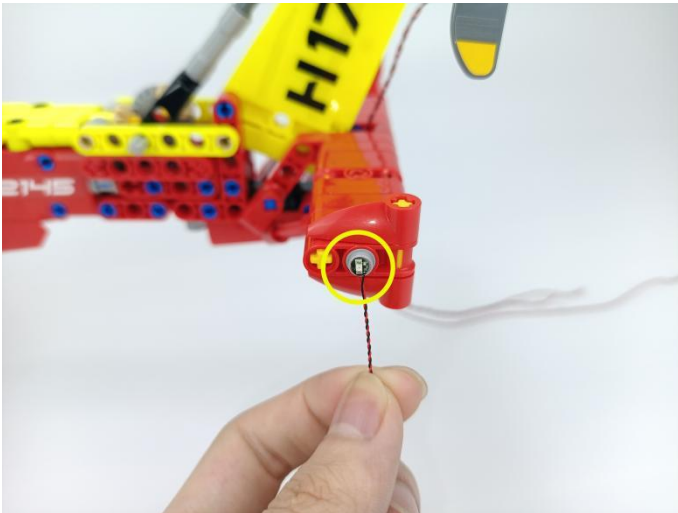
The plate with slit:

The wire has enough space to avoid being squeezed and is endowed with longer service life and more stable effect.

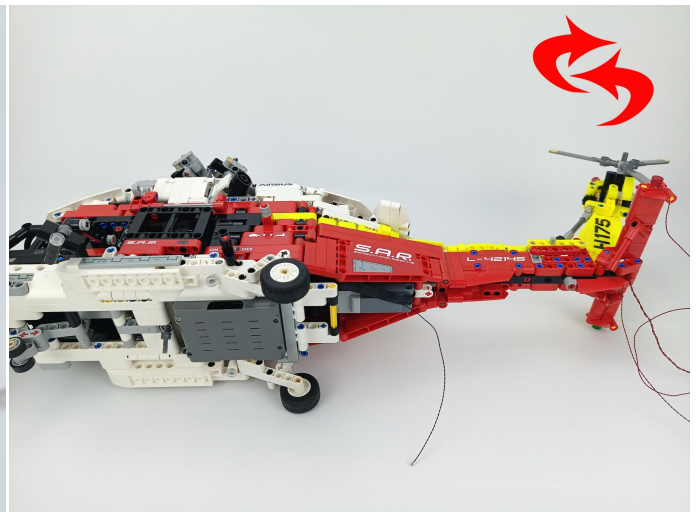
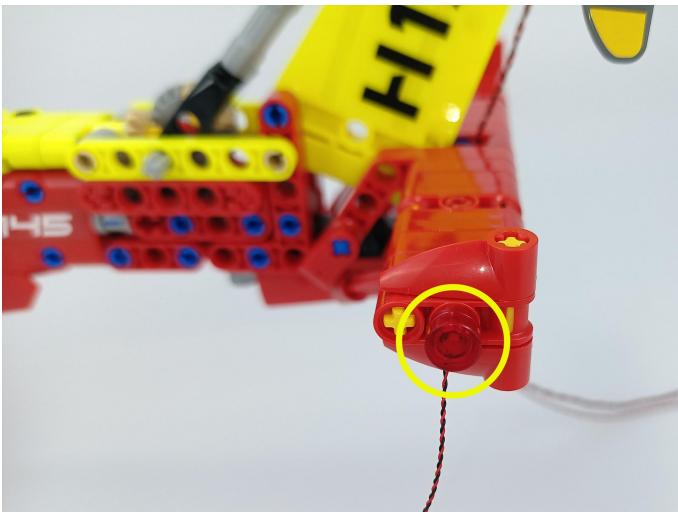


The slit on the the plate round 1X1 are hand-made to avoid squeeze the wire and cause short circuit and abnormal heat during installation.

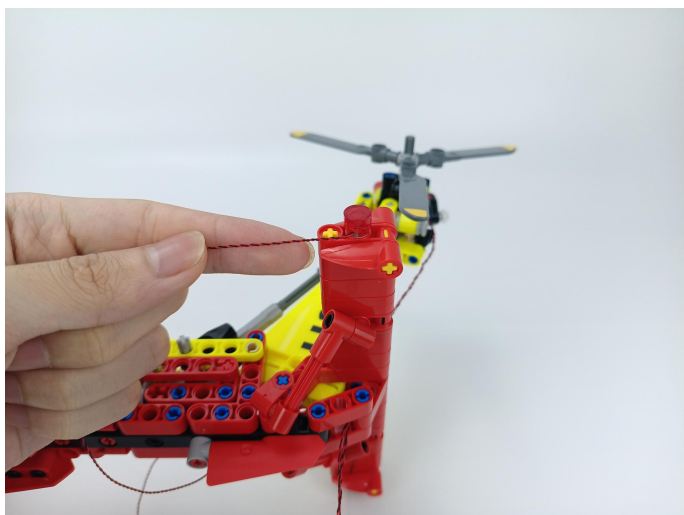
70



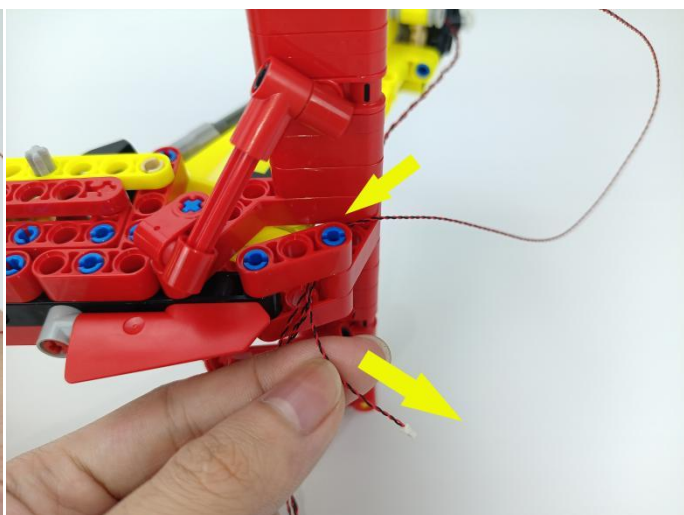
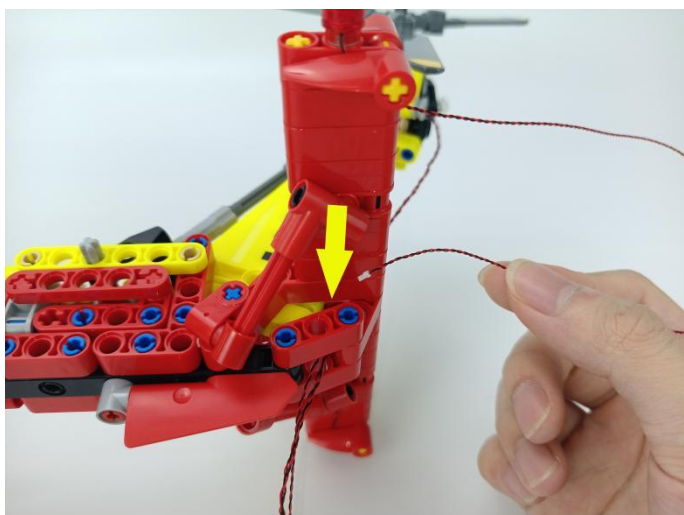
71



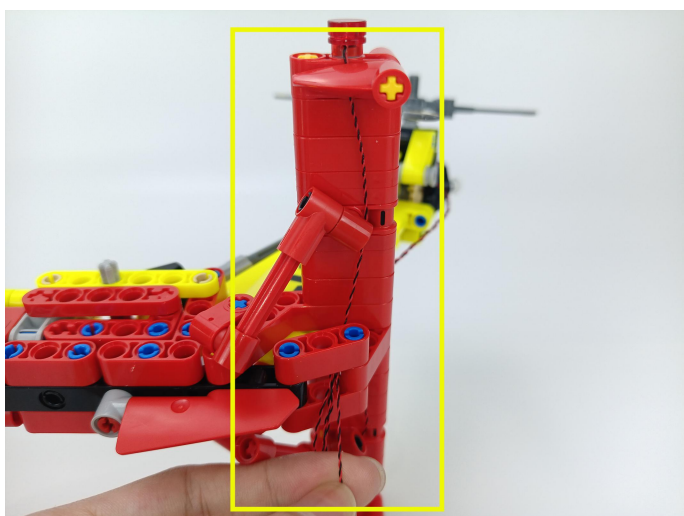
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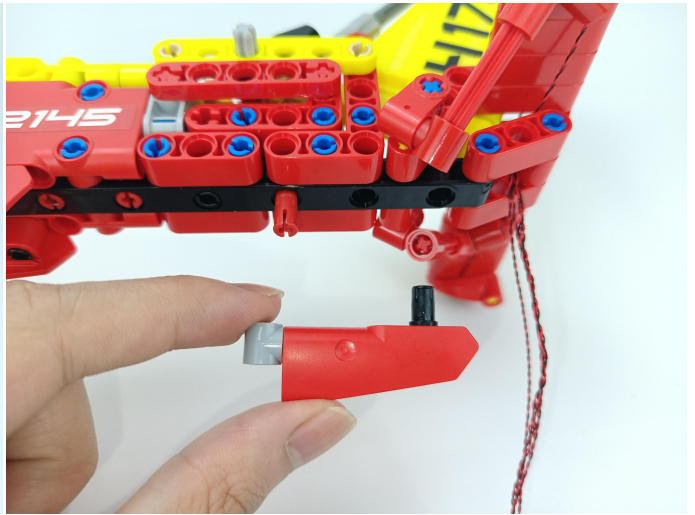
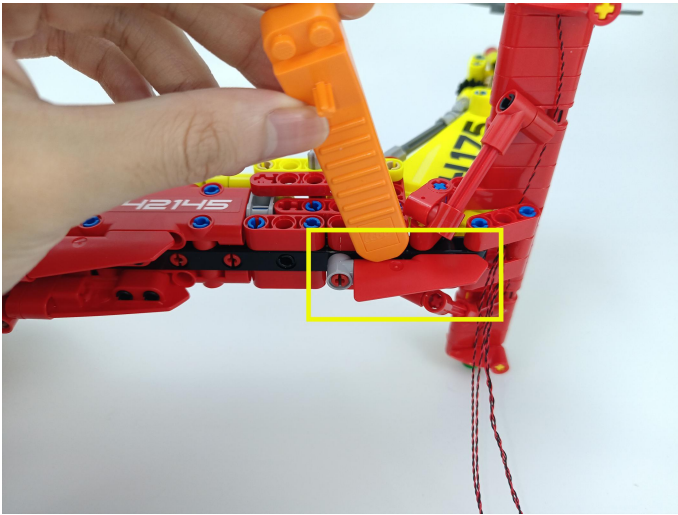
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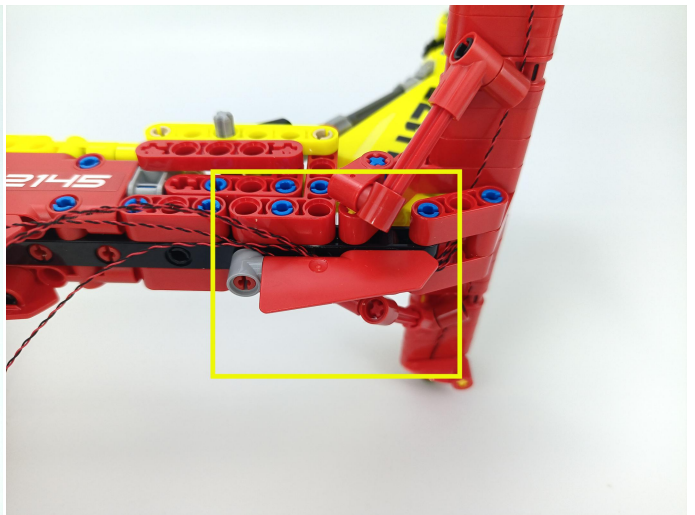
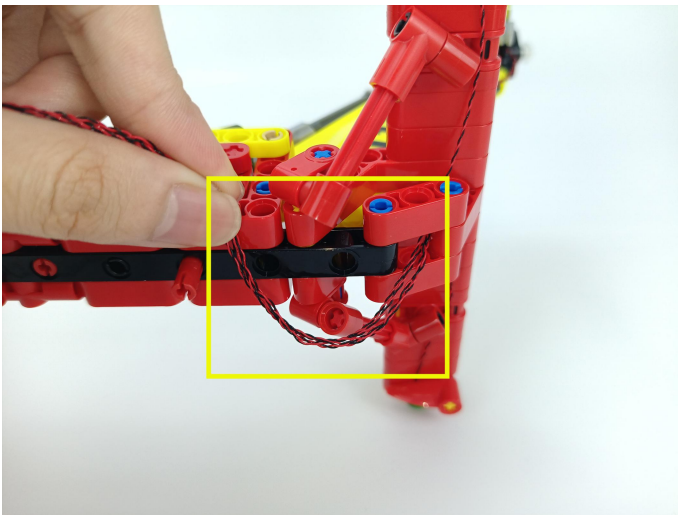
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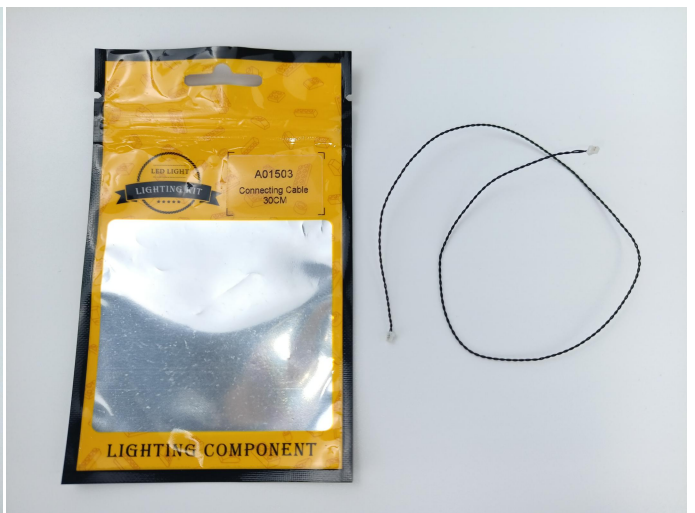
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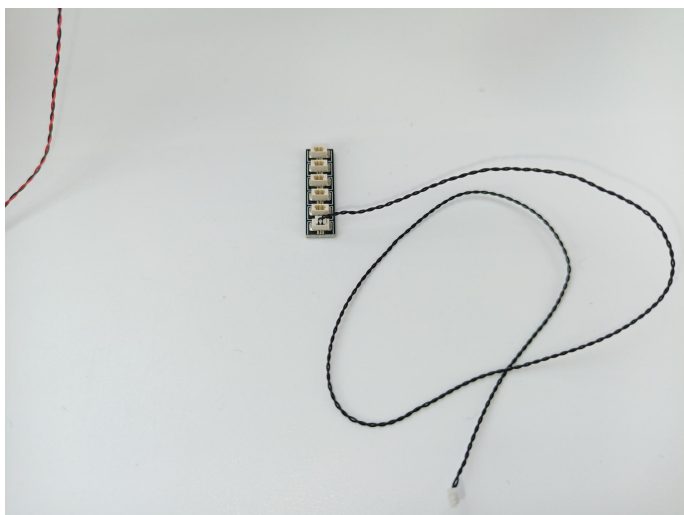
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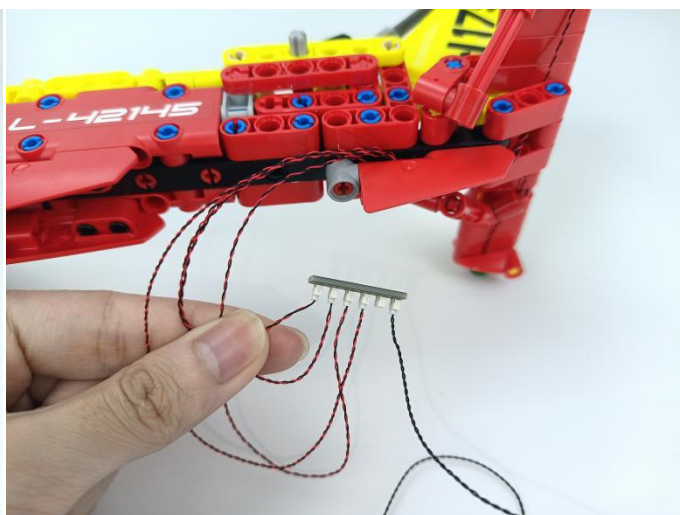
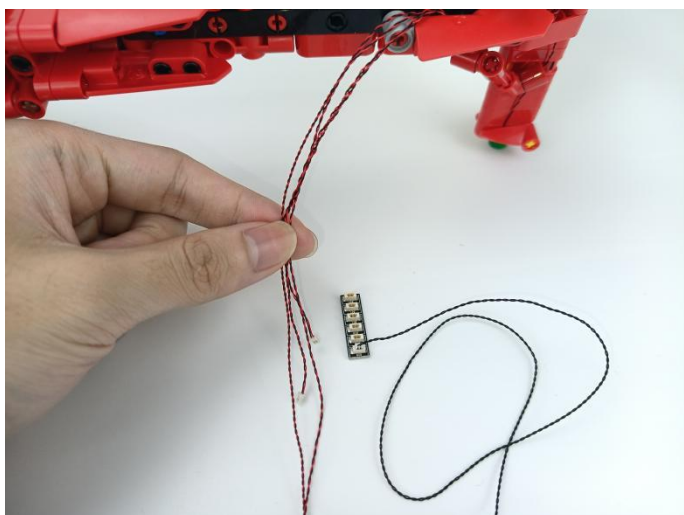
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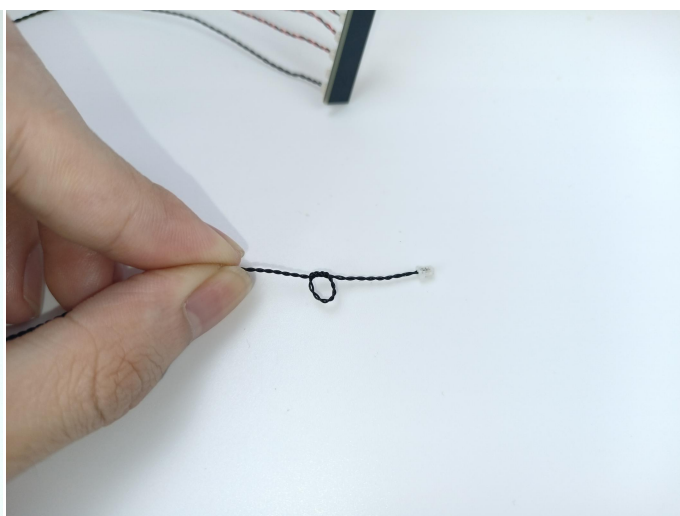
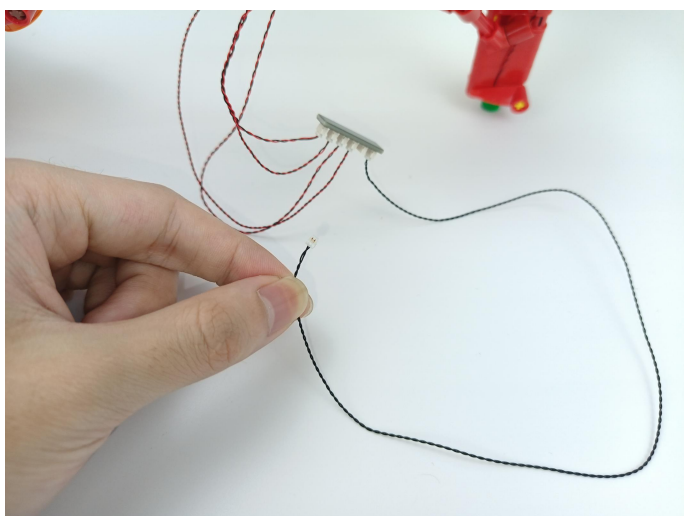
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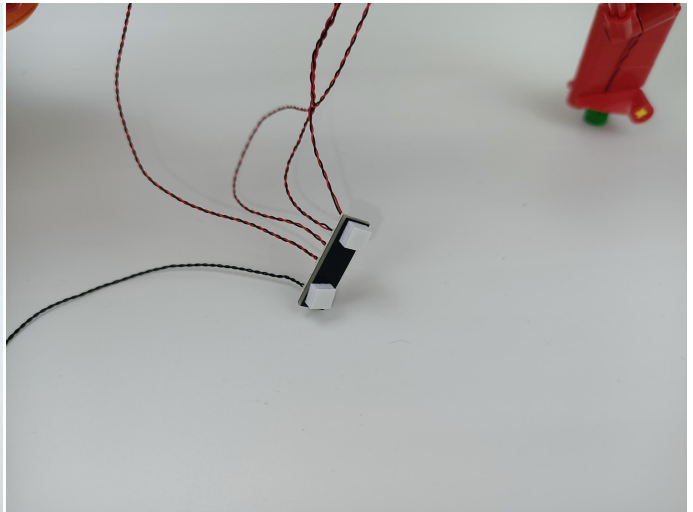
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80



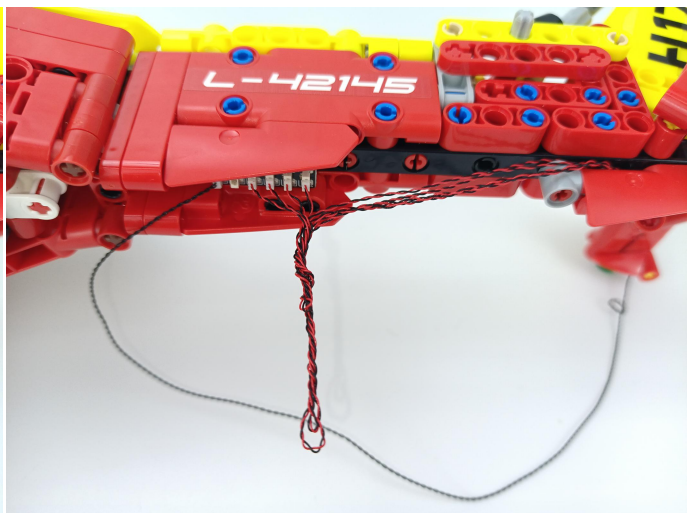
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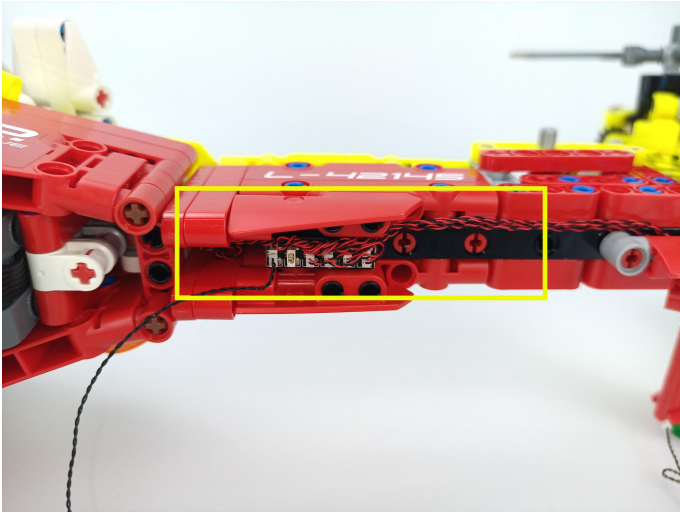
82



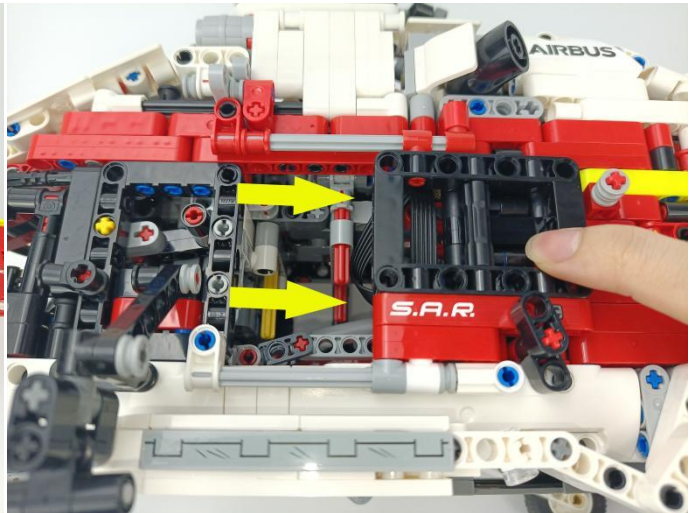
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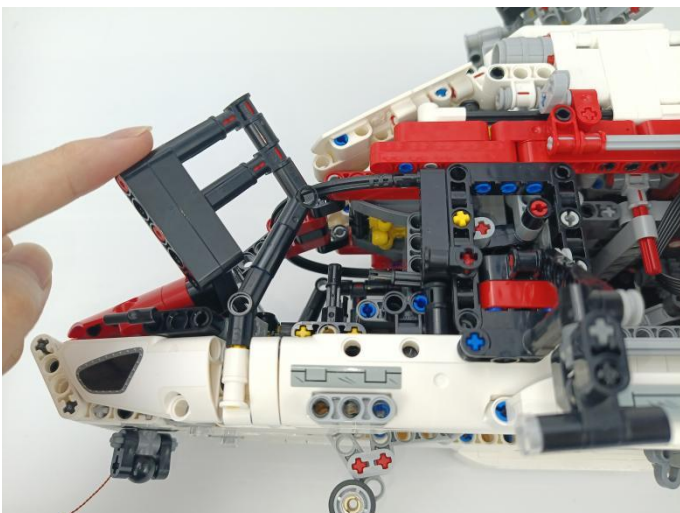
84



Push the blocks away.



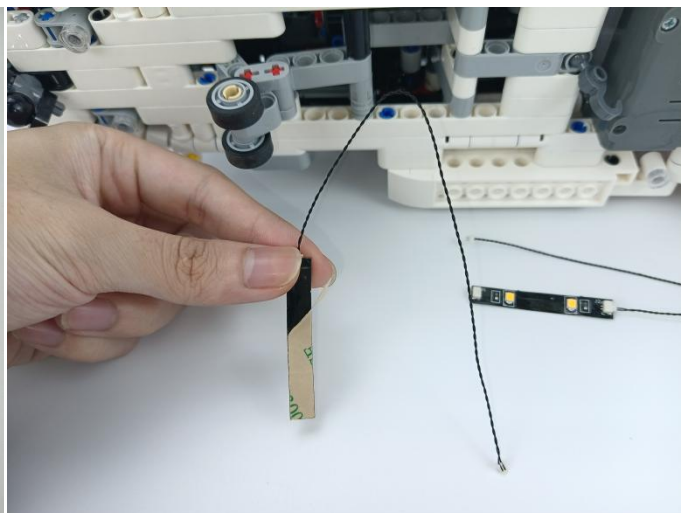
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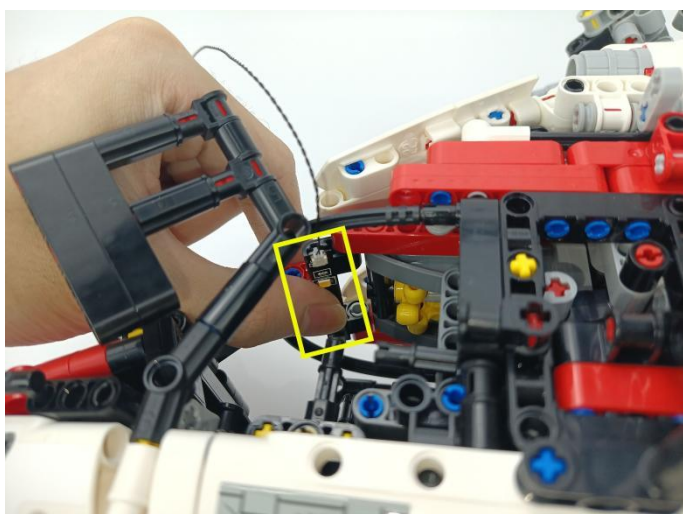
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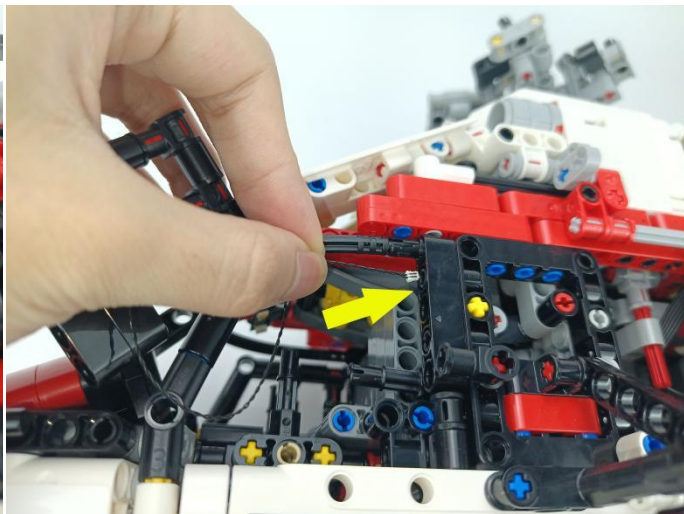
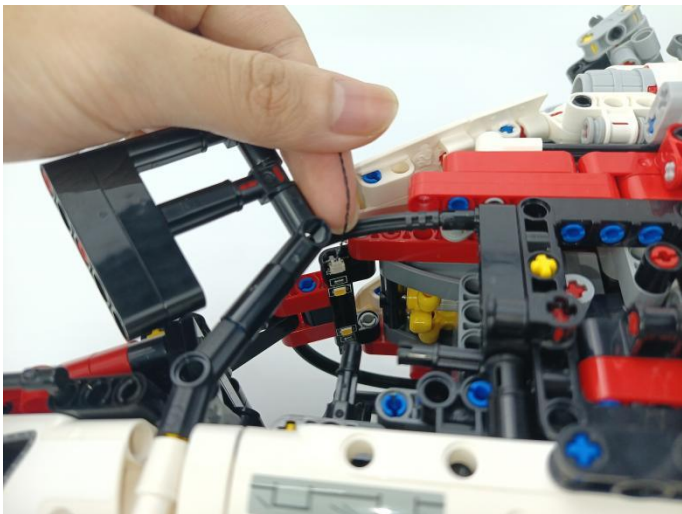
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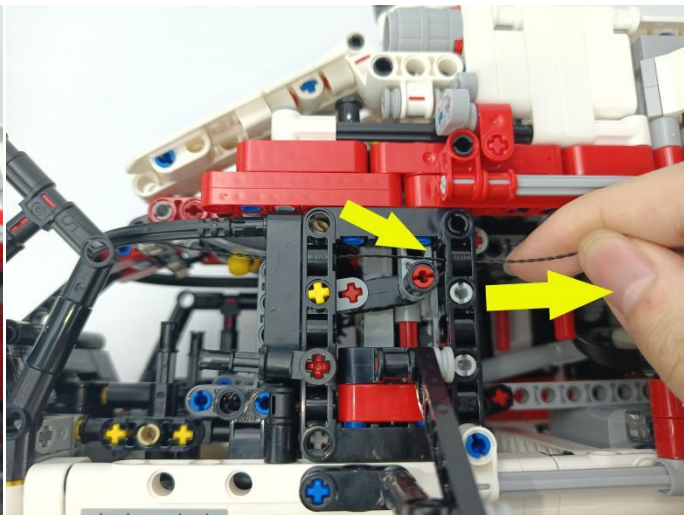
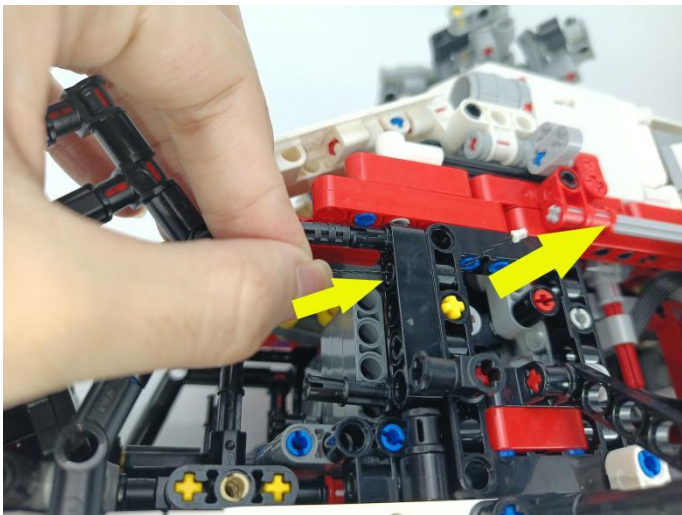
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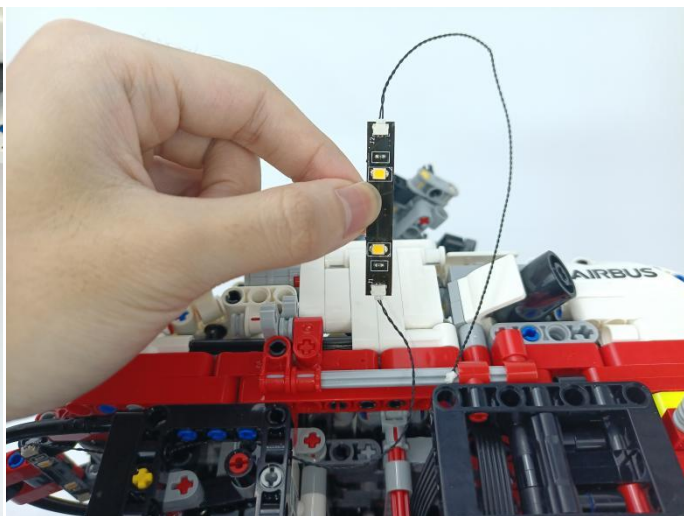
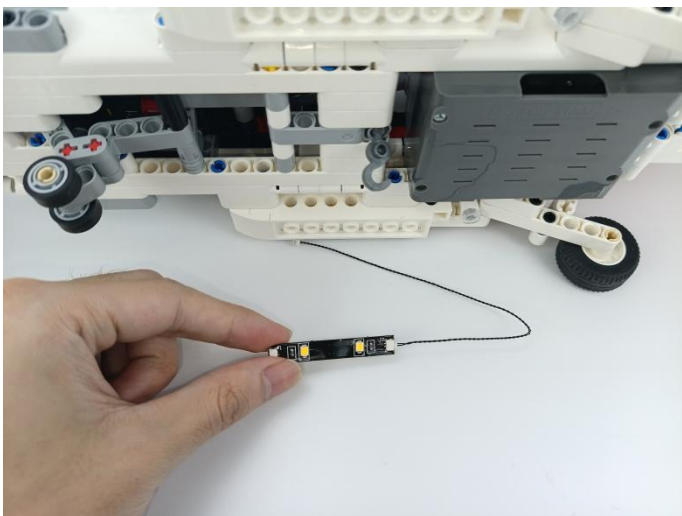
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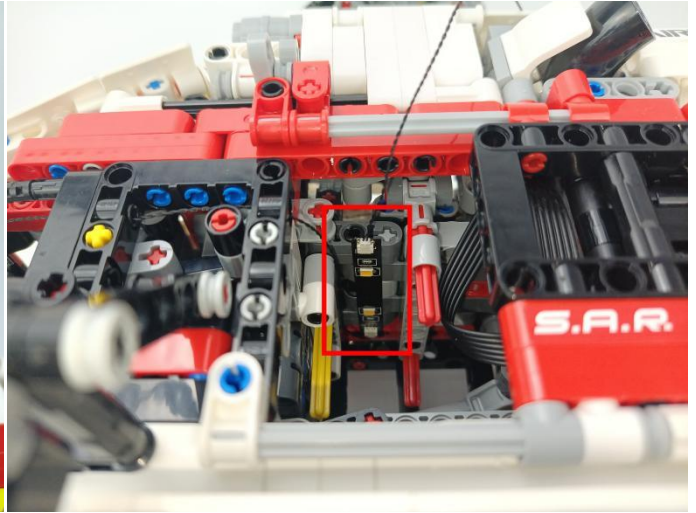
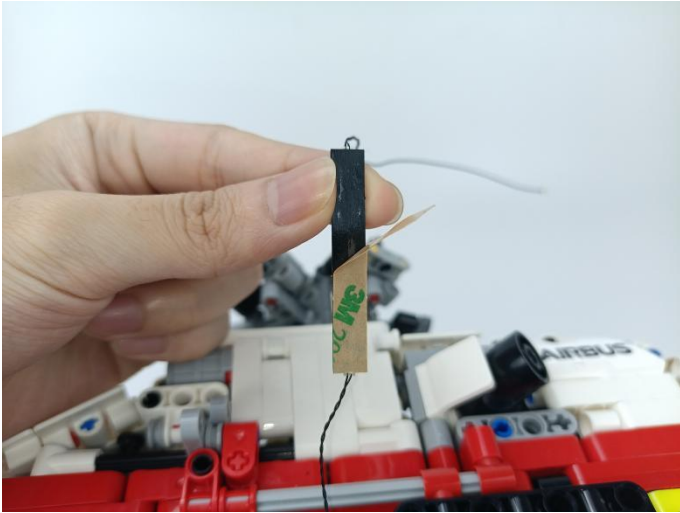
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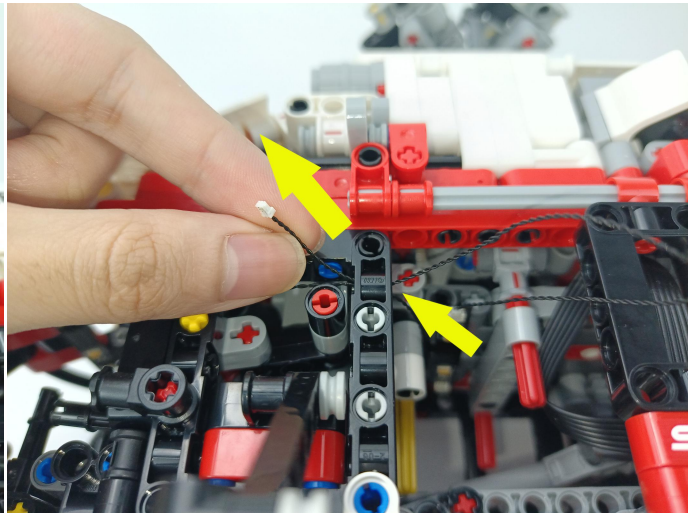
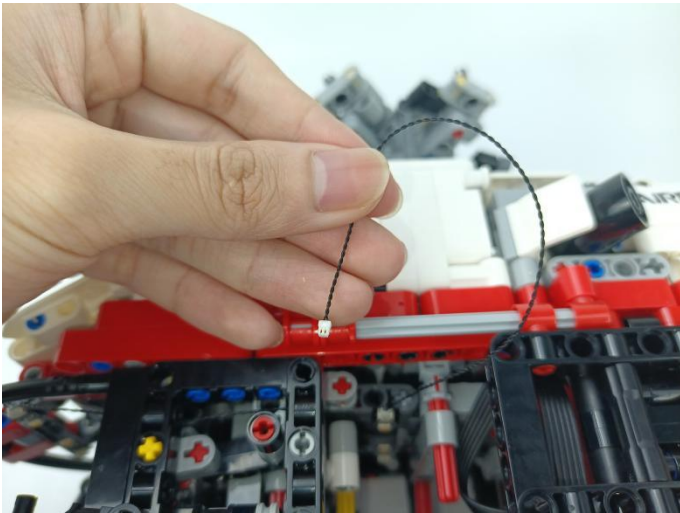
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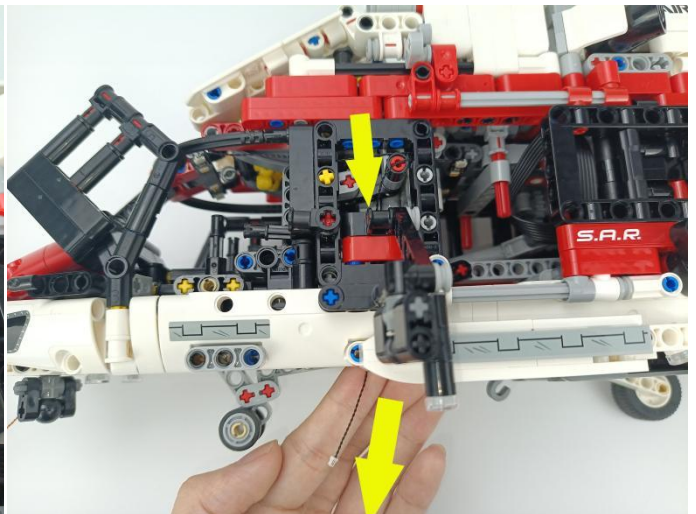
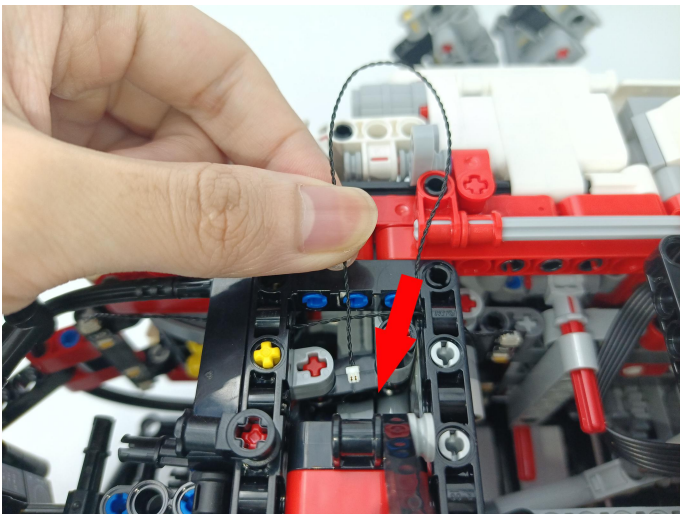
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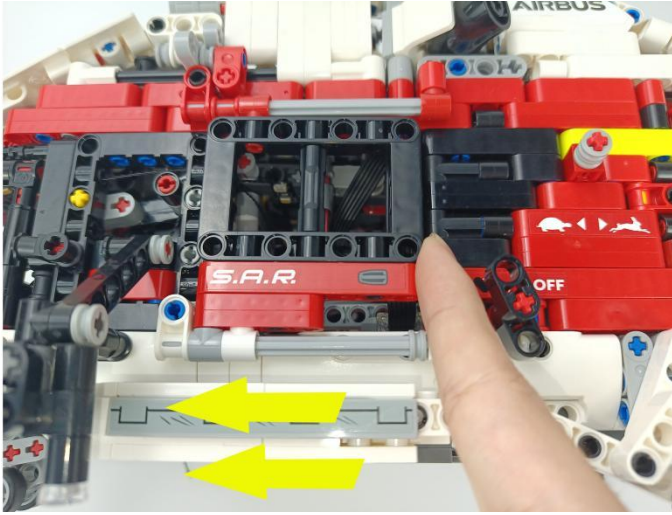
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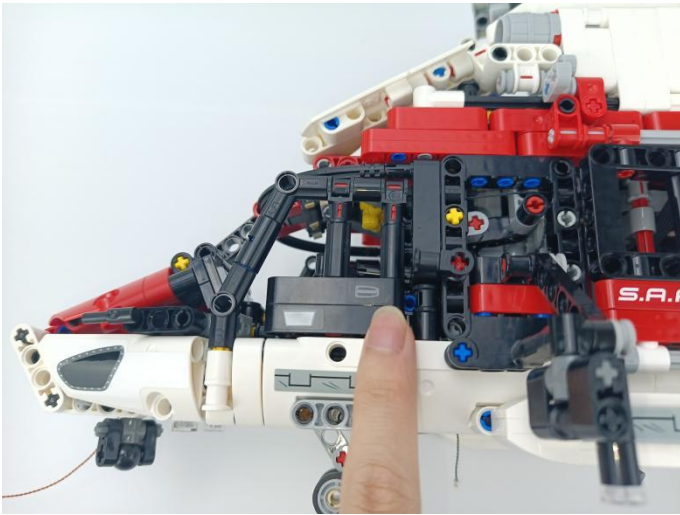
94



Push the block parts to the left.



Close the block door.



95

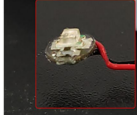


Tips

The plate without slit:

The plate without slit:

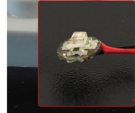
The squeeze causes the protective layer of the wire to be torn apart, the positive and negative wires touch together, and the set is short-circuited and the hot wire is crushed, the wire to be disconnected and don't work.



The plate with slit:

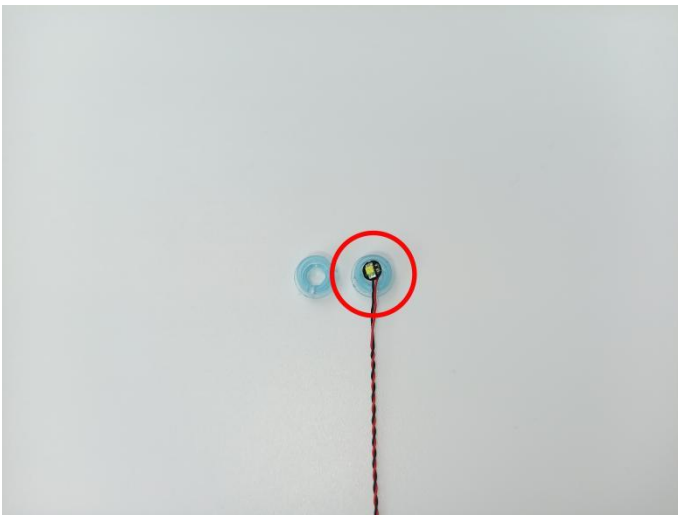
The plate with slit:

The wire has enough space to avoid being squeezed and endowed with longer service life and more stable effect.



The slit on the the plate round 1X1 are hand-made to avoid squeeze the wire and cause short circuit and abnormalheat during installation.

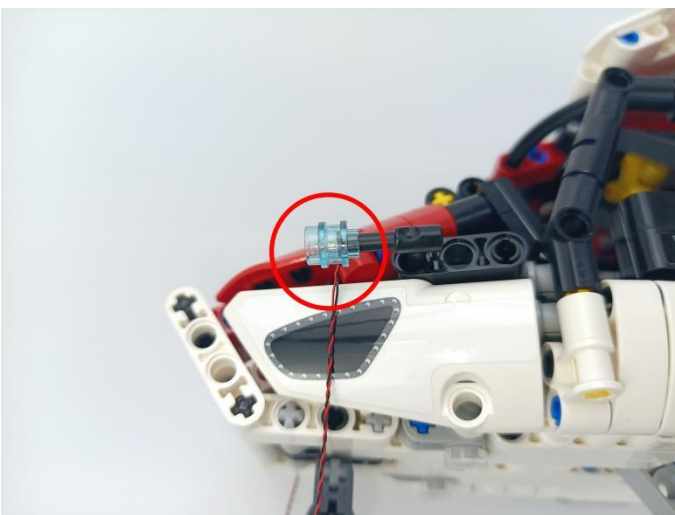
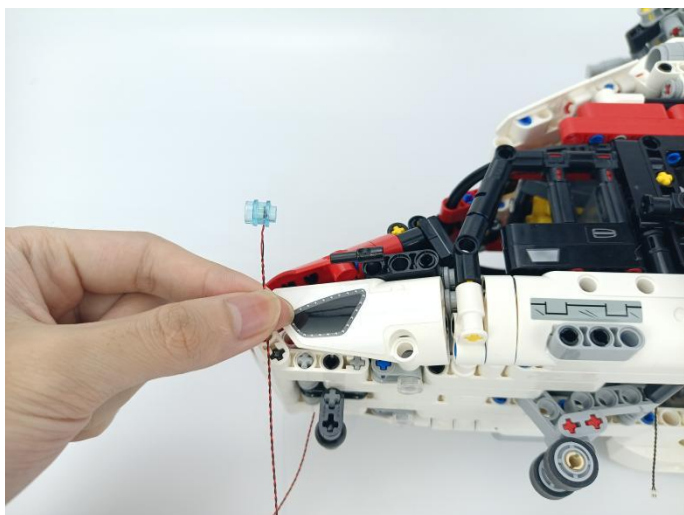
The lighting wire is placed at the cutout of the small circular plate.



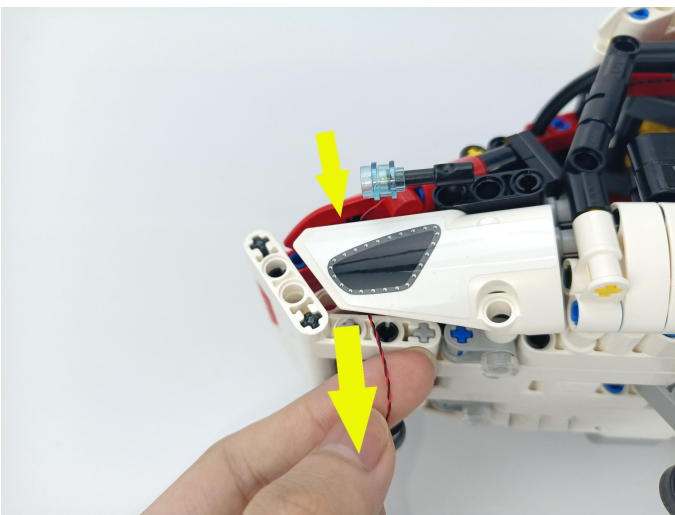
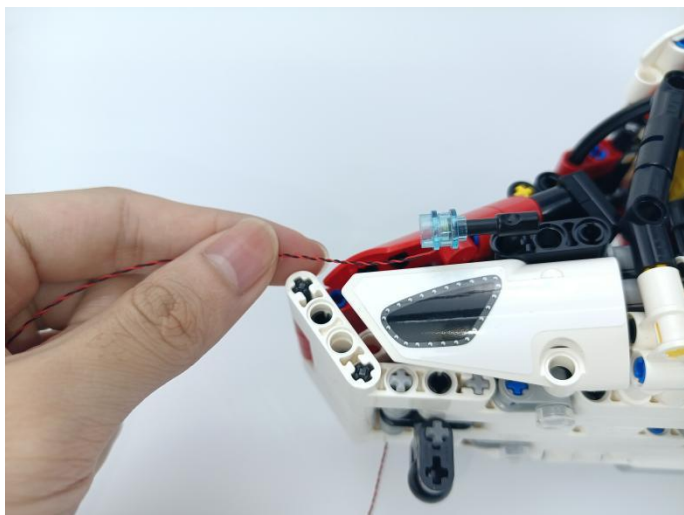
Combined building block parts.



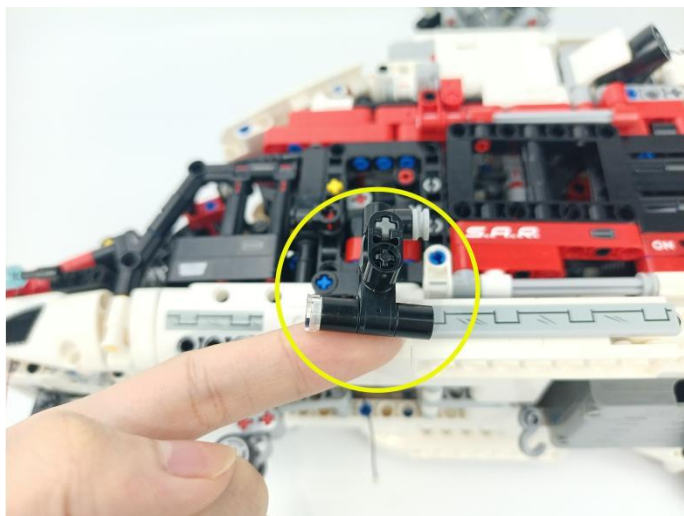
96



97



98



99



100



Tips

The plate without slit:

The plate without slit:

The squeeze causes the protective layer of the wire to be torn apart, the positive and negative wires touch together, and the set is short-circuited and the hot wire is crushed, the wire to be disconnected and don't work.



The plate with slit:

The plate with slit:

The wire has enough space to avoid being squeezed and endowed with longer service life and more stable effect.

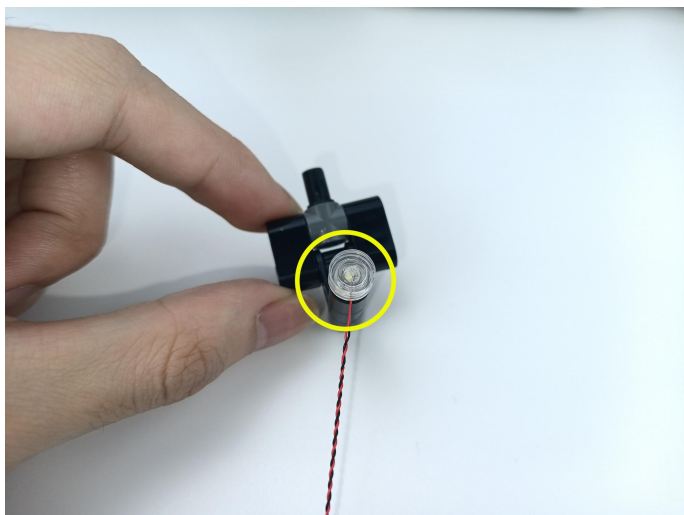


The slit on the the plate round 1X1 are hand-made to avoid squeeze the wire and cause short circuit and abnormal heat during installation.

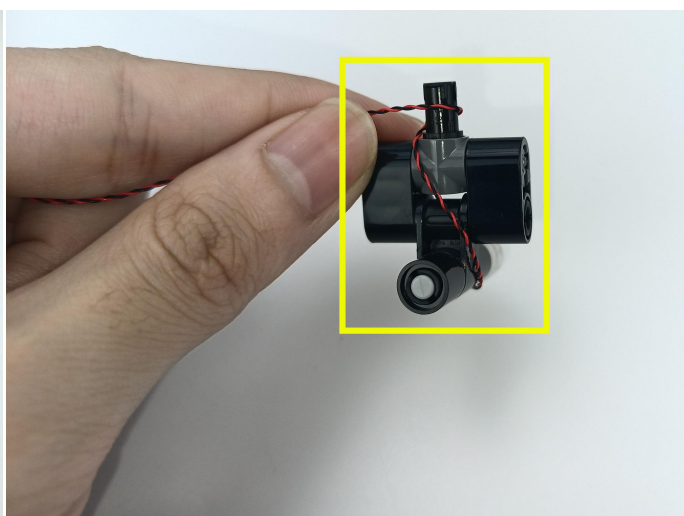
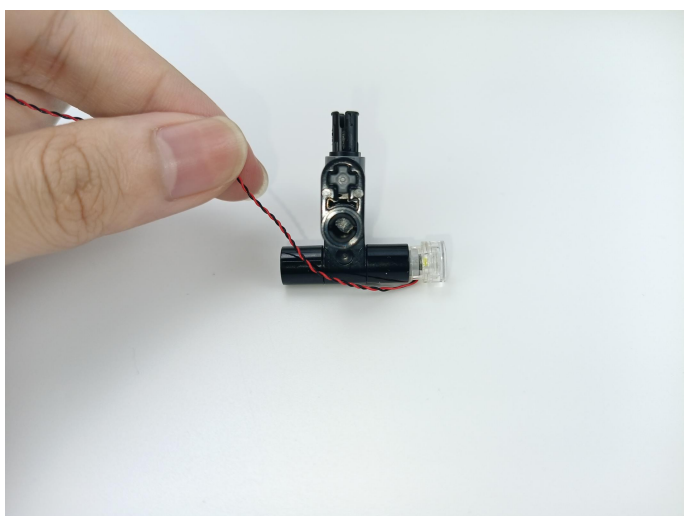
The lighting wire is placed at the cutout of the small circular plate.



101



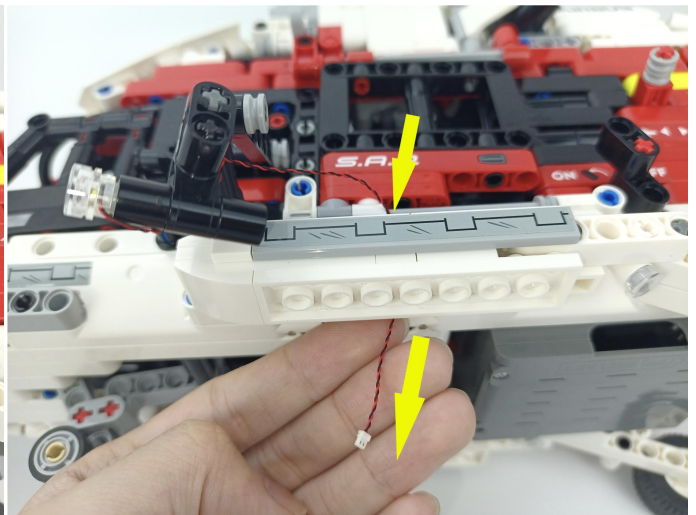
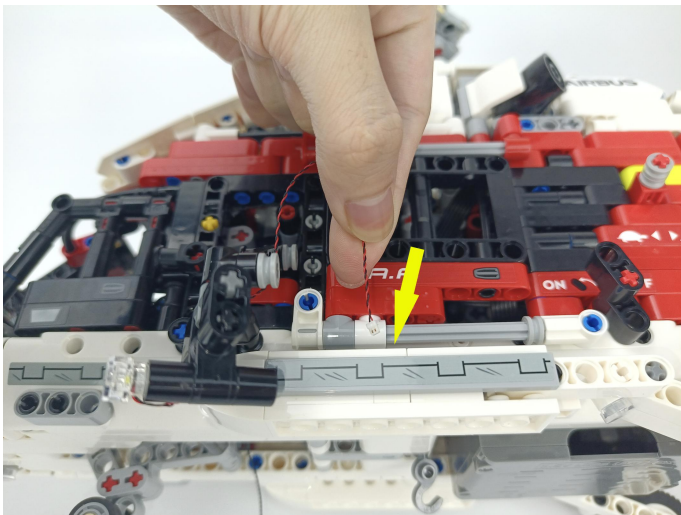
102



103



104



105

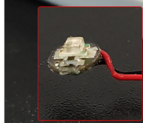


Tips

The plate without slit:

The plate without slit:

The squeeze causes the protective layer of the wire to be torn apart, the positive and negative wires touch together, and the set is short-circuited and the hot or wire is crushed, the wire to be disconnected and don't work.



The plate with slit:

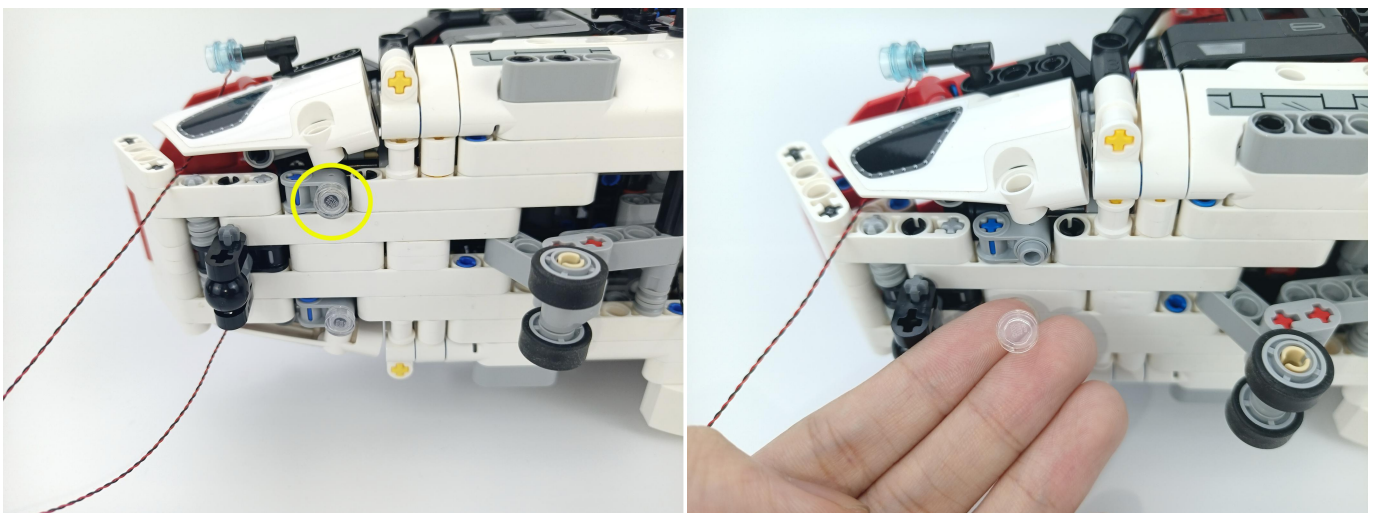
The plate with slit:

The wire has enough space to avoid being squeezed, endowed with longer service life and more stable effect.



The slit on the the plate round 1X1 are hand-made to avoid squeeze the wire and cause short circuit and abnormal heat during installation.

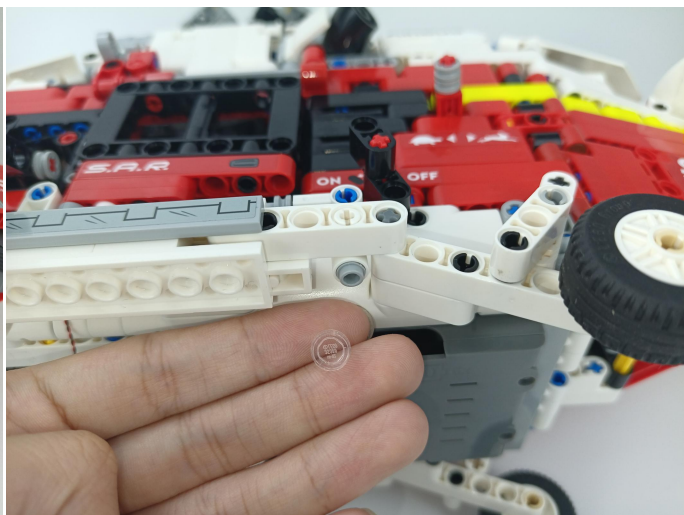
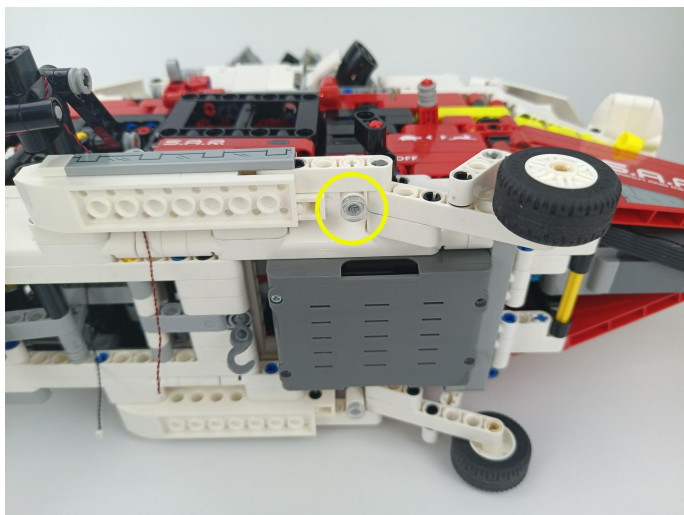
106



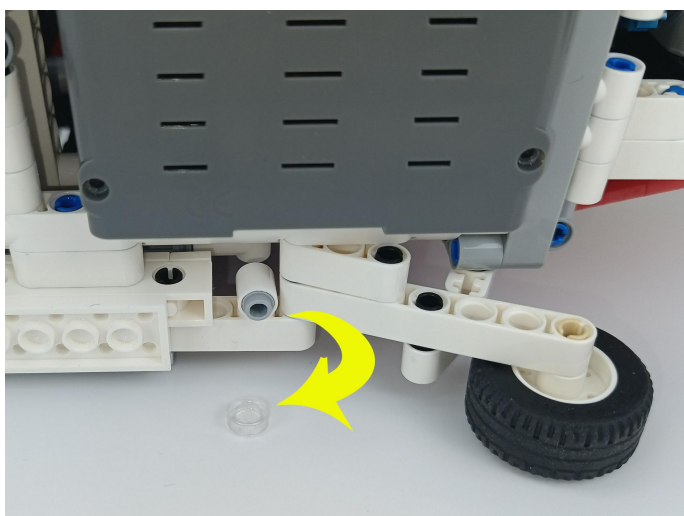
107



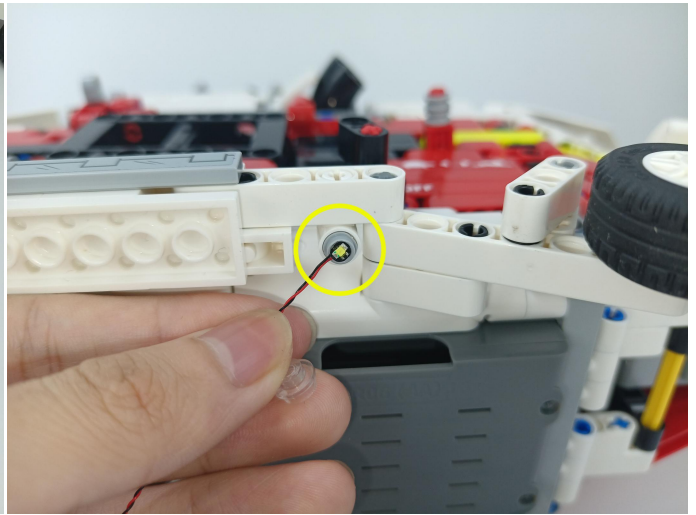
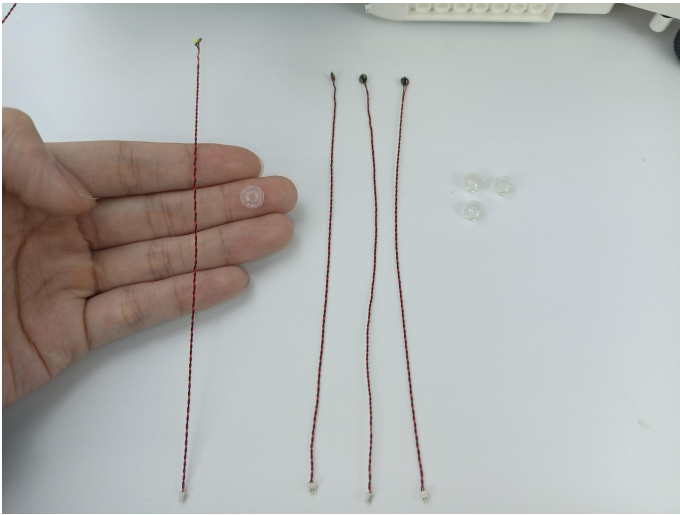
108



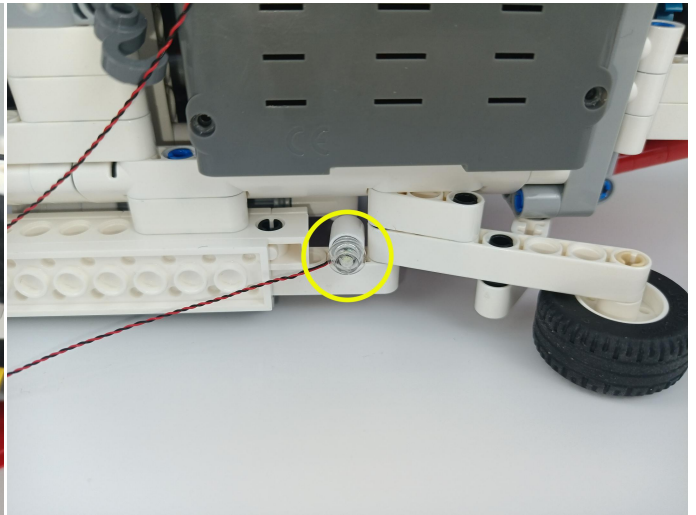
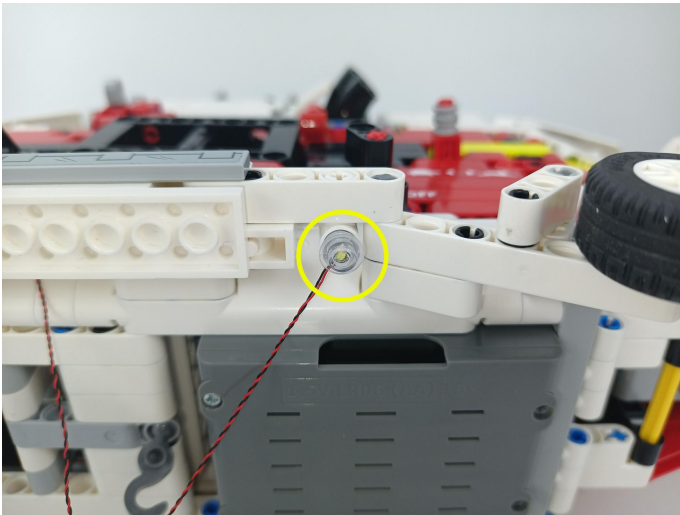
109



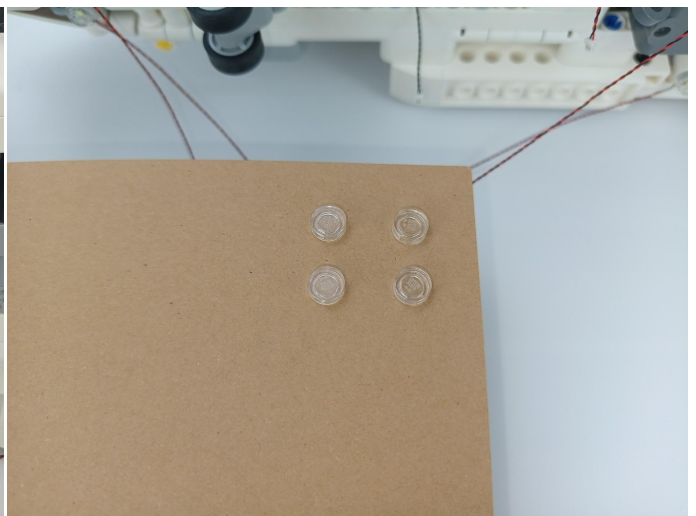
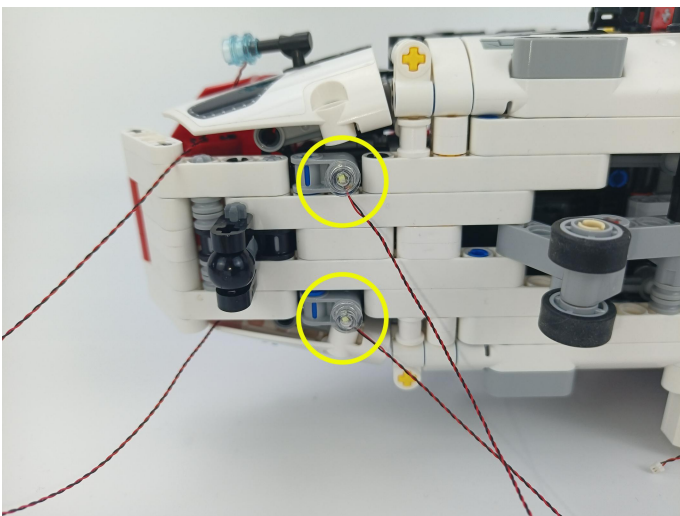
110



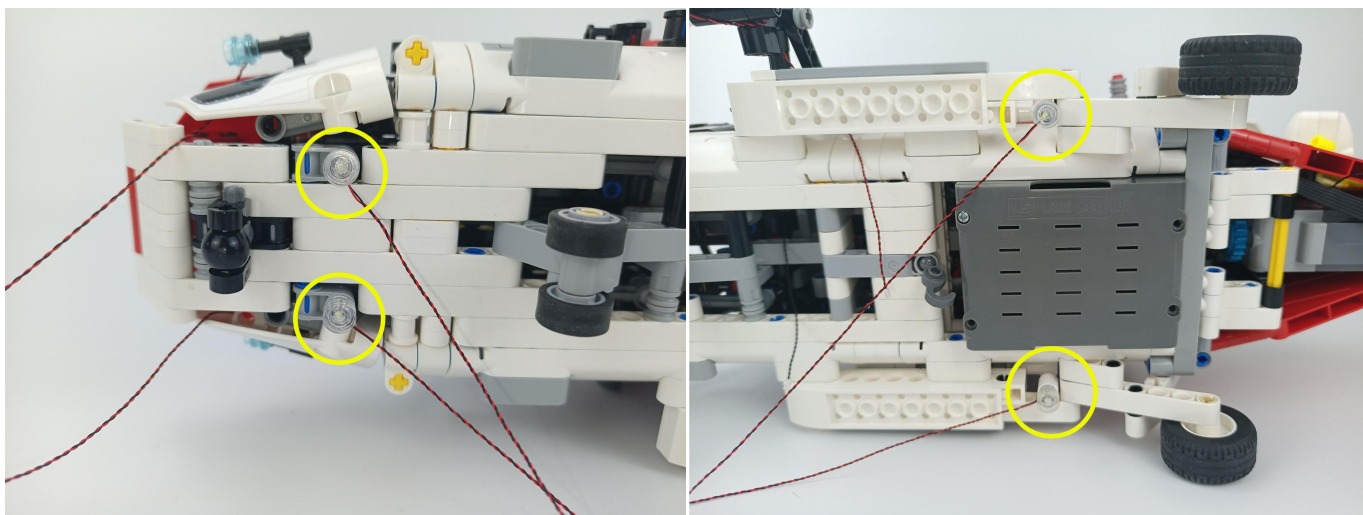
The lighting wire is placed at the cutout of the small circular plate.



111



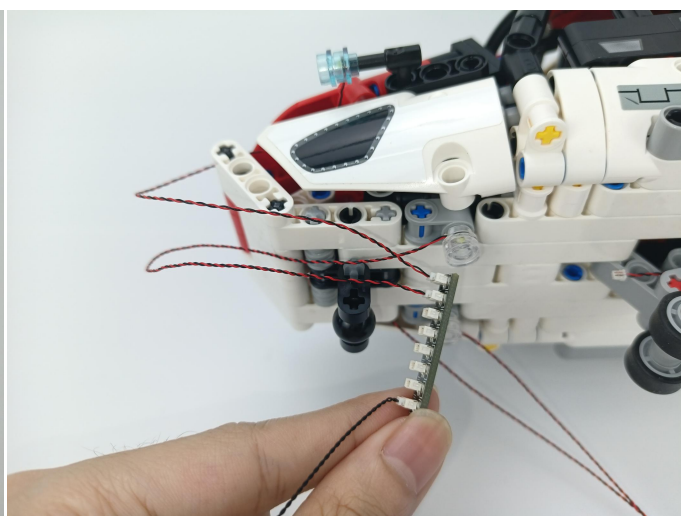
112



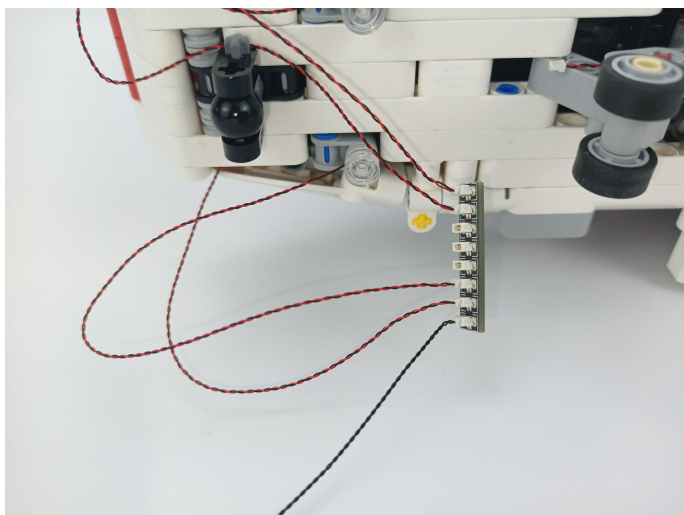
113



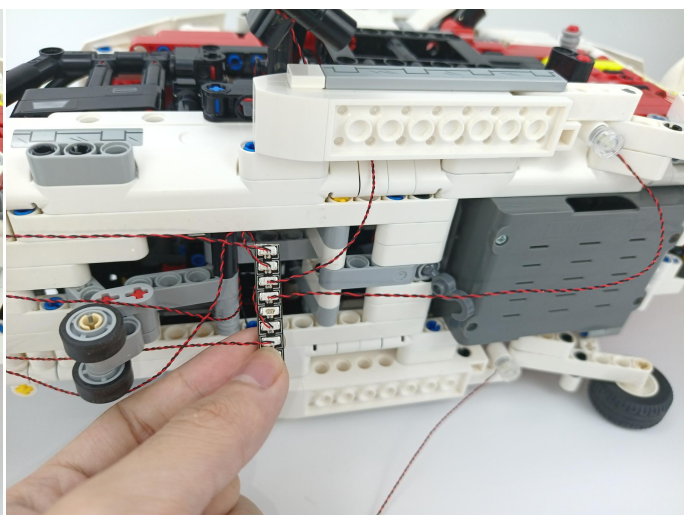
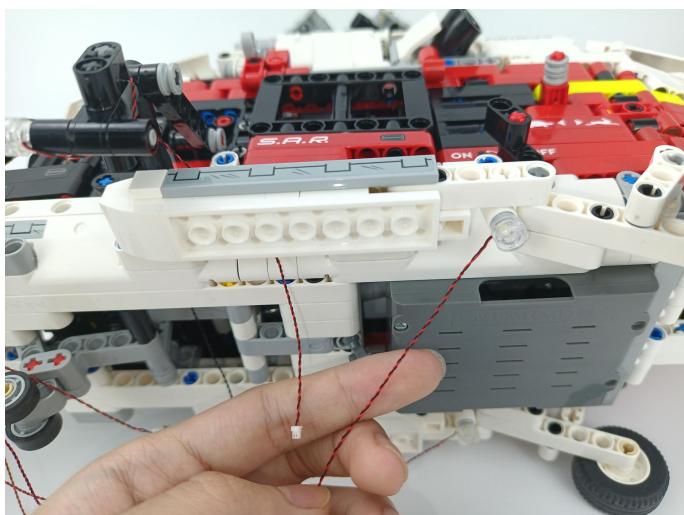
114



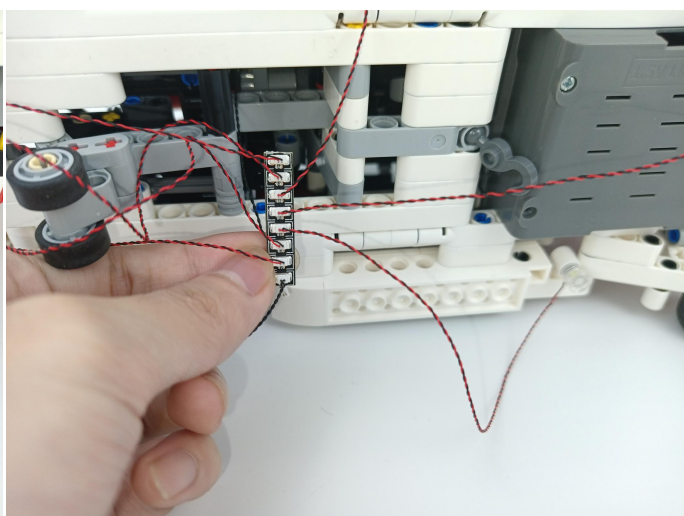
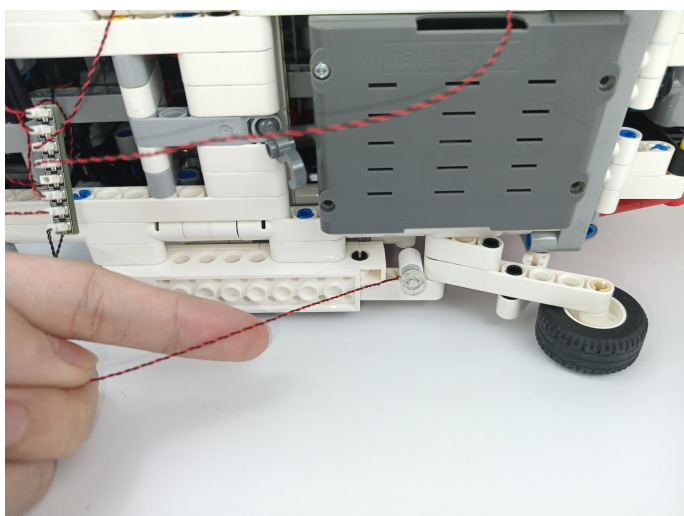
115



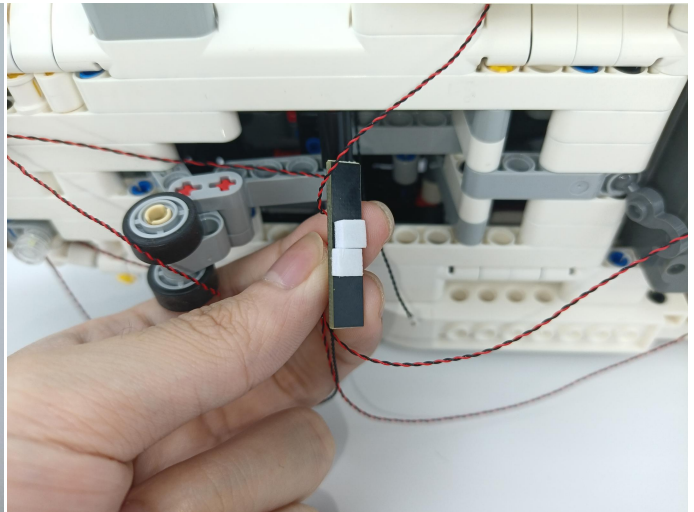
116



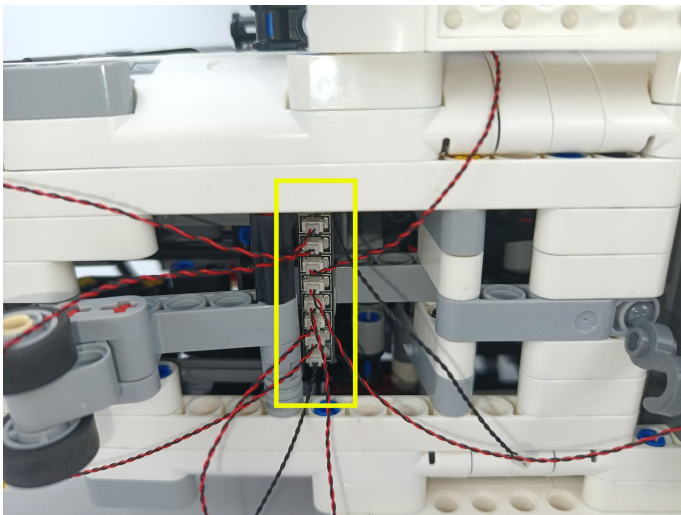
117



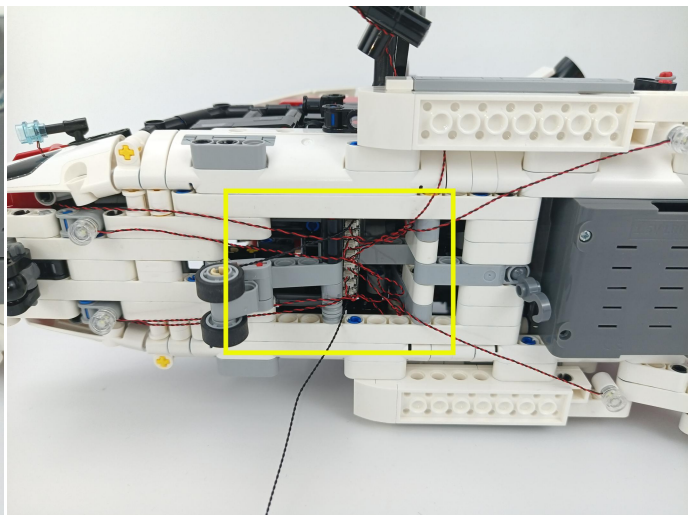
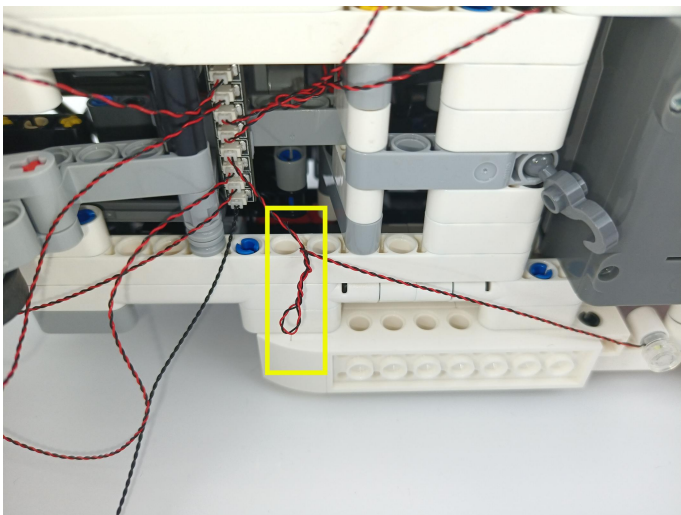
118



119




Twist the longer lighting wire into a single strand and put it in the slot.



120



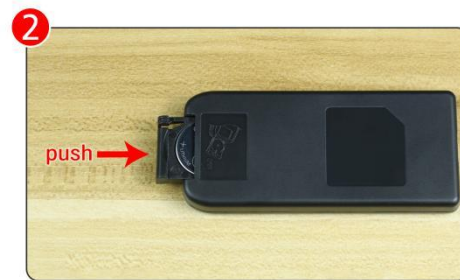
Remote control function description



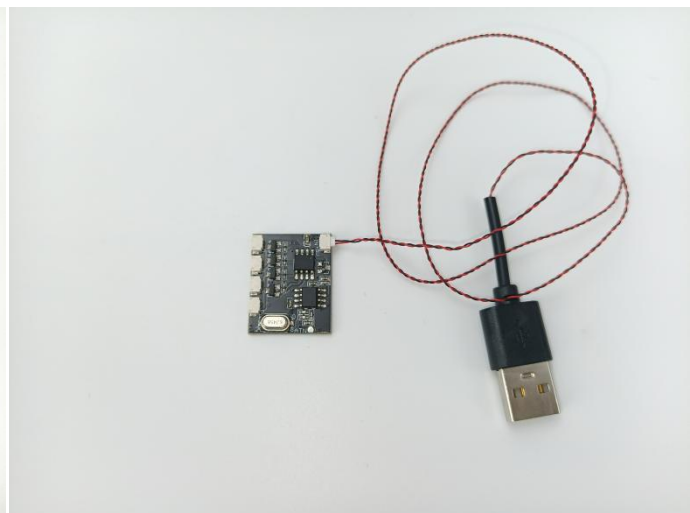
The image shows a black remote control with buttons for ON/OFF, SHUNT (A, B, C, D), EFFECT (FS, BLN), and BRIGHTNESS (+, -). To the right is a diagram of the PCB with labels A, B, C, D, FS, and BLN corresponding to the remote's functions. A red arrow labeled 'INPUT' points to a specific location on the PCB.

ON: All branches are opened
OFF: all branches are closed
A: open/close A road
B: open/close B road
C: open/close C road
D: open/close D road
FS: Turn on blinking for the last open channel
BLN: Start breathing for the last opened path
↑: Increase blinking/breathing rate
↓: Increase blinking/breathing rate
Brightness+: Increase brightness
Brightness -: Reduce brightness

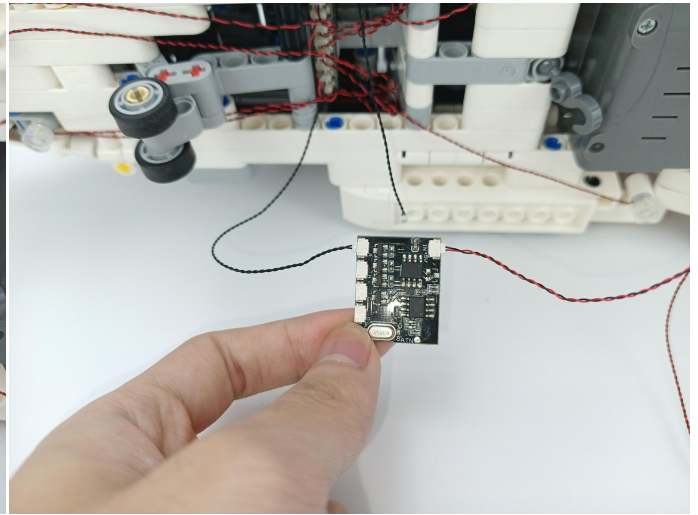
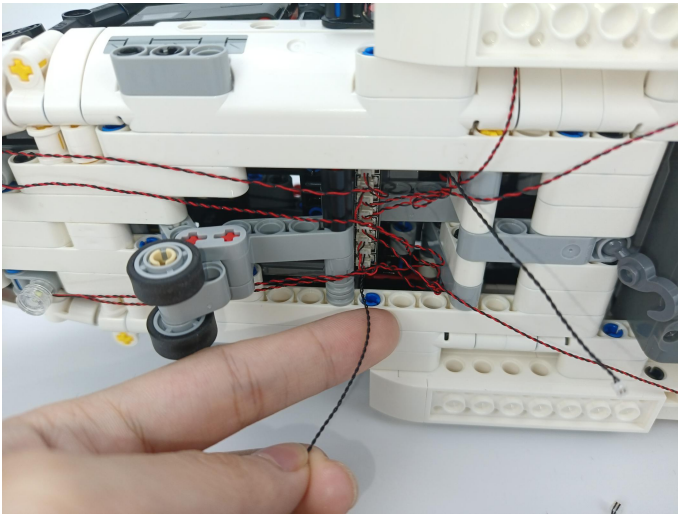
The remote control does not contain batteries, please buy a 2025 or 2032 button battery in the nearest store and install it in the remote control.



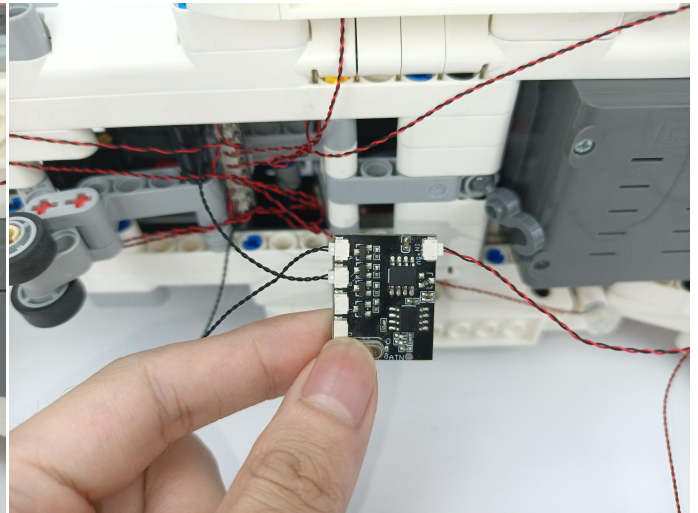
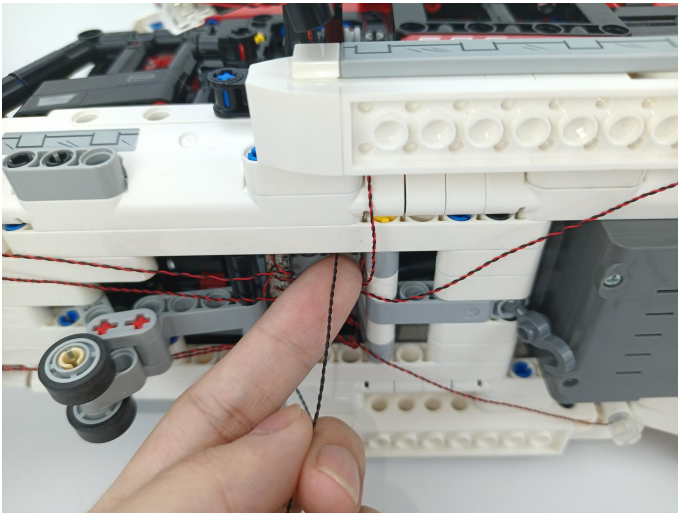
121



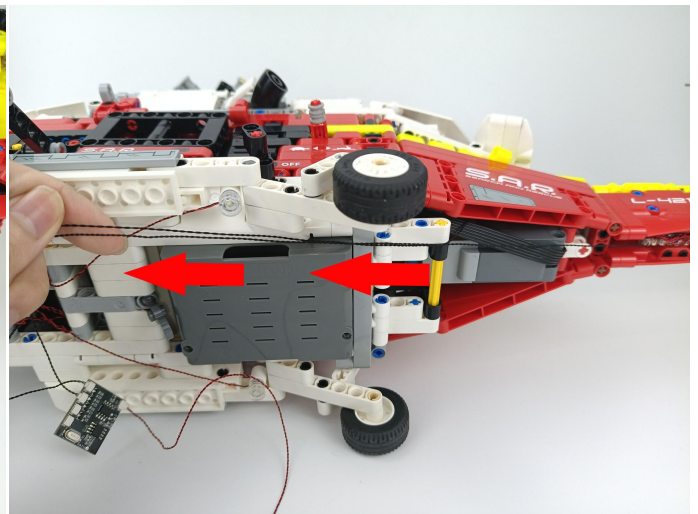
122



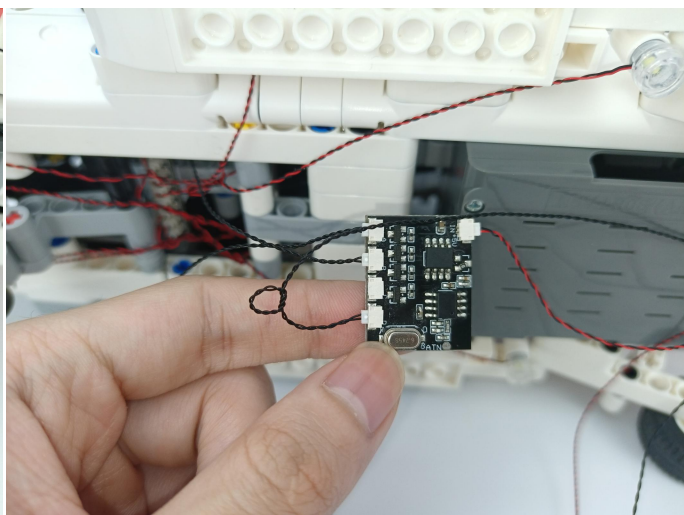
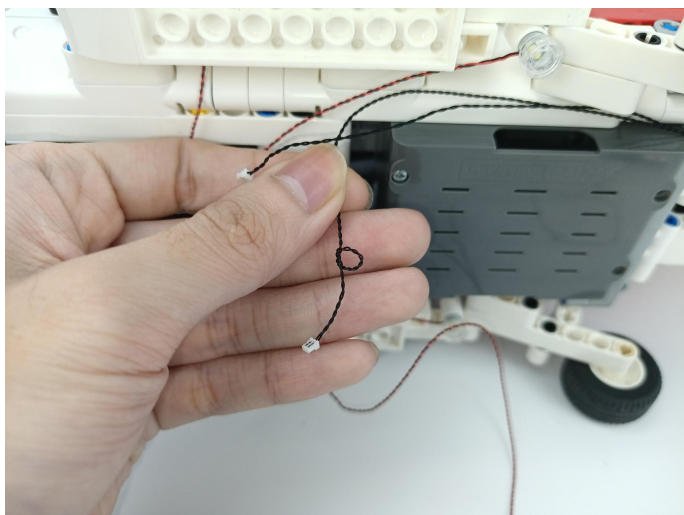
123



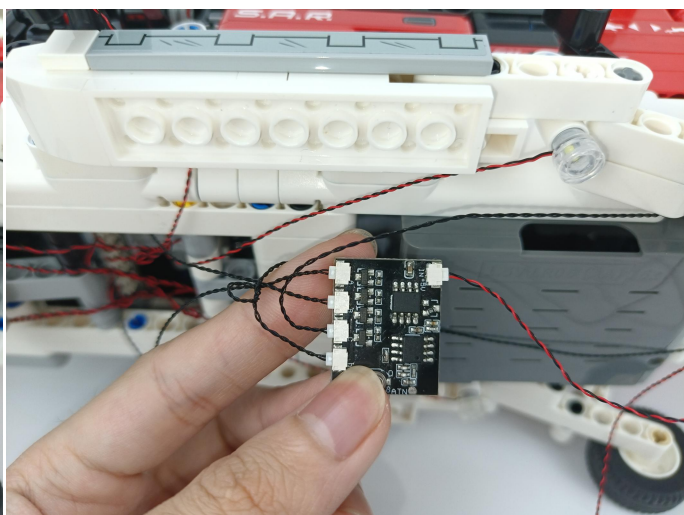
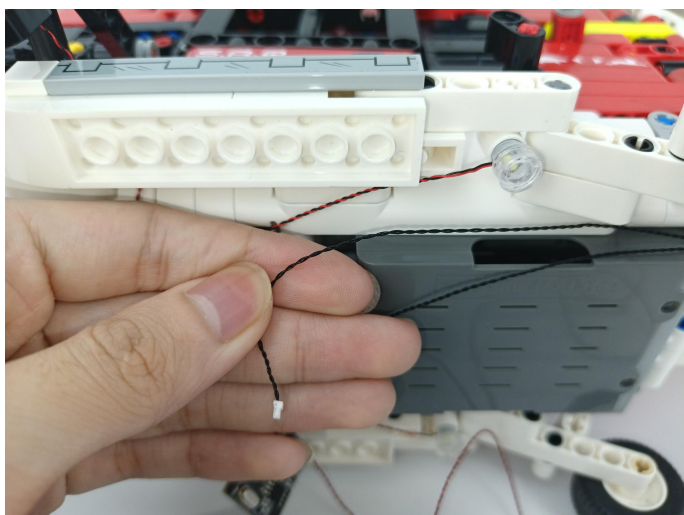
124



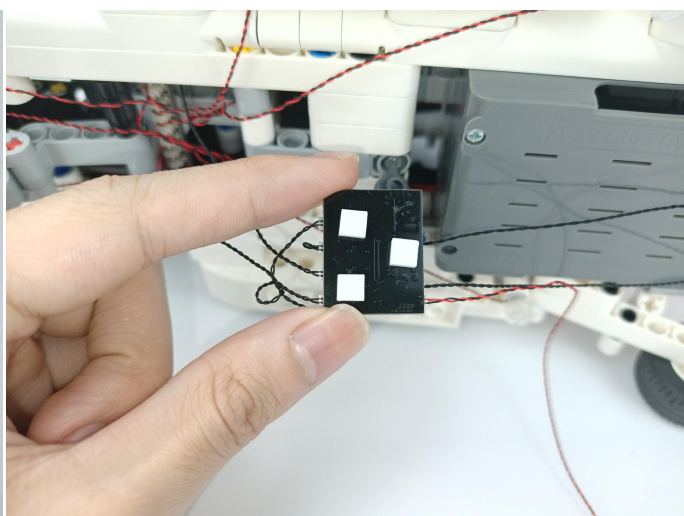
125



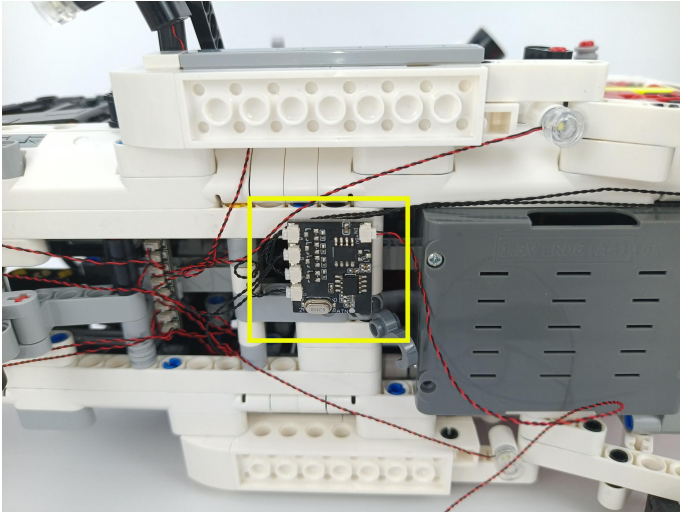
126



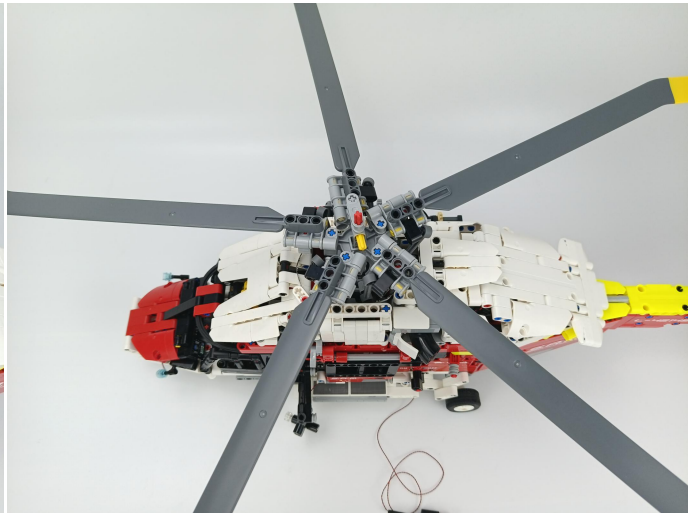
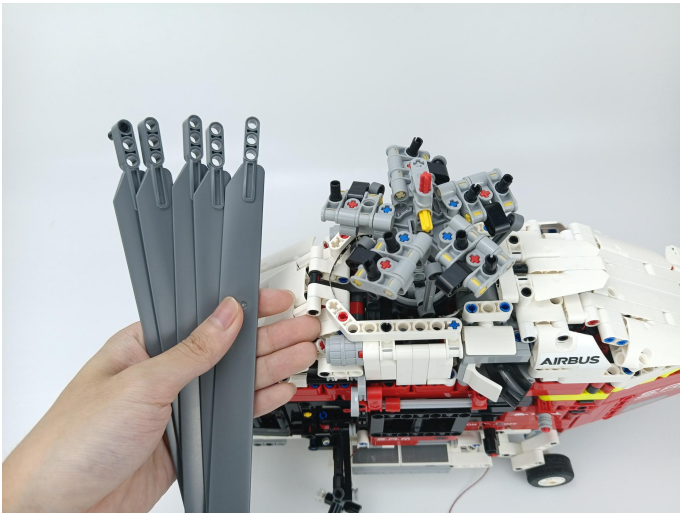
127



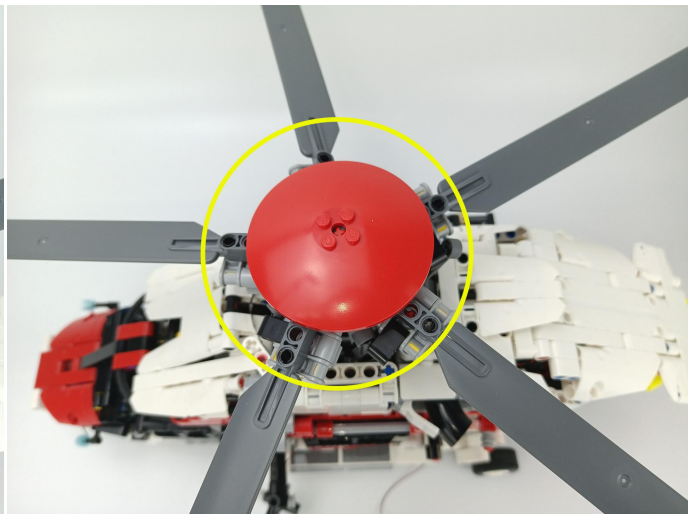
128



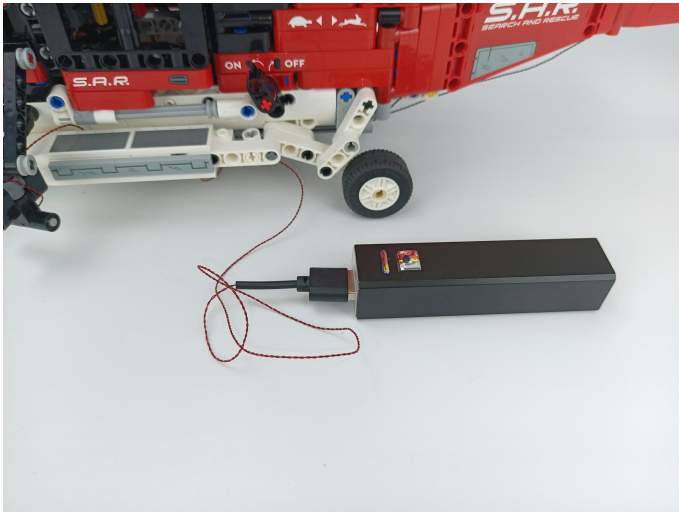
129



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131



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Remote control function description



The image shows a black remote control with several buttons: 'ON', 'OFF', 'SHUNT', 'A', 'B', 'C', 'D', 'FS', 'EFFECT', 'BLN', and 'BRIGHTNESS'. To the right of the remote is a small circuit board with a red arrow pointing to a component labeled 'INPUT'.

ON: All branches are opened
OFF: all branches are closed
A: open/close A road
B: open/close B road
C: open/close C road
D: open/close D road
FS: Turn on blinking for the last open channel
BLN: Start breathing for the last opened path
↑: Increase blinking/breathing rate
↓: Decrease blinking/breathing rate
Brightness+: Increase brightness
Brightness -: Reduce brightness



Good job, you've done all the installation steps, power it up and enjoy your work.



The battery box can also power the set. If it is necessary to change the power supply , prepare three AAA batteries, install them in the battery box, turn on the switch on the battery box, remove the plug of the USB Power Cable from the socket of the expansion board,plug the plug of the battery box to the same socket in the expansion board to power the suit as well.

THANKS