

80109 Lunar New Year Ice Festival

P29902

- P29902 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 “80109 P29902”.
- 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 step

Section A: Check the type and quantity of components.

There are 20 bags in this set. The name and quantities of specific components are as shown , please check carefully.

Label	Content	Quantity
Light Strips-Cyan-28	Light Strips-Cyan-28	2
Headlights-15CM-Warm White	Headlights-15CM-Warm White	1
Headlights-15CM-White	Headlights-15CM-White	1
Headlights-15CM-Red	Headlights-15CM-Red	2
Headlights-15CM-Blue	Headlights-15CM-Blue	7
Headlights-30CM-White	Headlights-30CM-White	1
Headlights-30CM-Green	Headlights-30CM-Green	1
Bit Lights-15CM-Warm White	Bit Lights-15CM-Warm White	2
Bit Lights-15CM-White	Bit Lights-15CM-White	2
Bit Lights-15CM-Red	Bit Lights-15CM-Red	4
Bit Lights-15CM-Green	Bit Lights-15CM-Green	2
Bit Lights-15CM-Blue	Bit Lights-15CM-Blue	2
Expansion Board	4 Socket Expansion Board	2
	6 Socket Expansion Board	5
Connecting Cables-15CM	Connecting Cables-15CM	3
Connecting Cables-30CM	Connecting Cables-30CM	2
Connecting Cables-50CM	Connecting Cables-50CM	2
USB Power Cable	USB Power Cable-30CM	1
AA Battery Box	AA Battery Box	1
Remote Control Board	Remote Control Board	1
Parts package		

Please contact us immediately if there have any missing components.

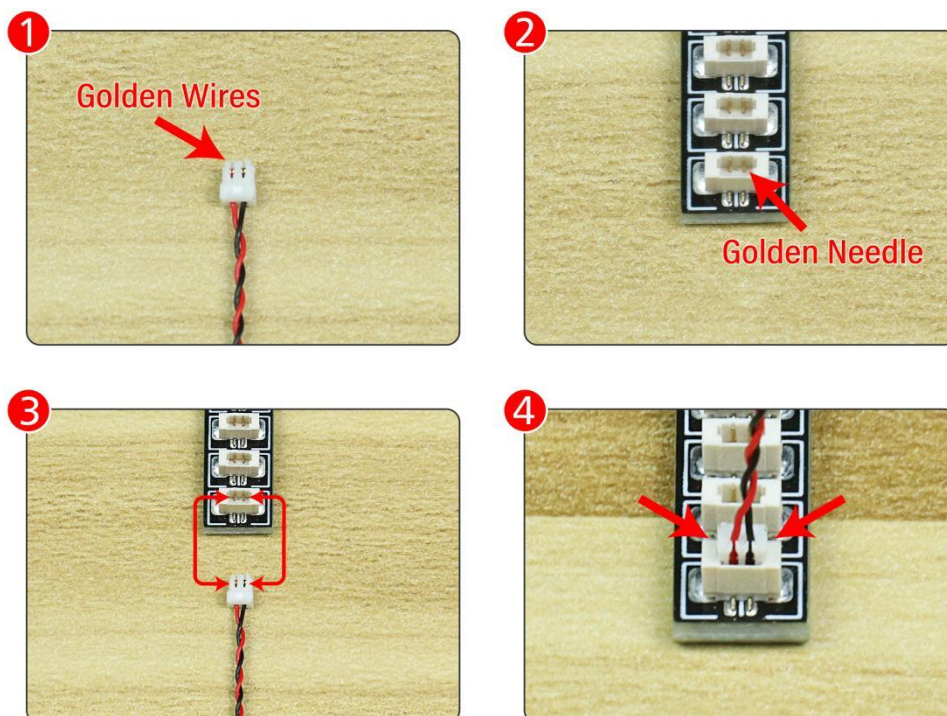
Section B: Test that each components is working properly.

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



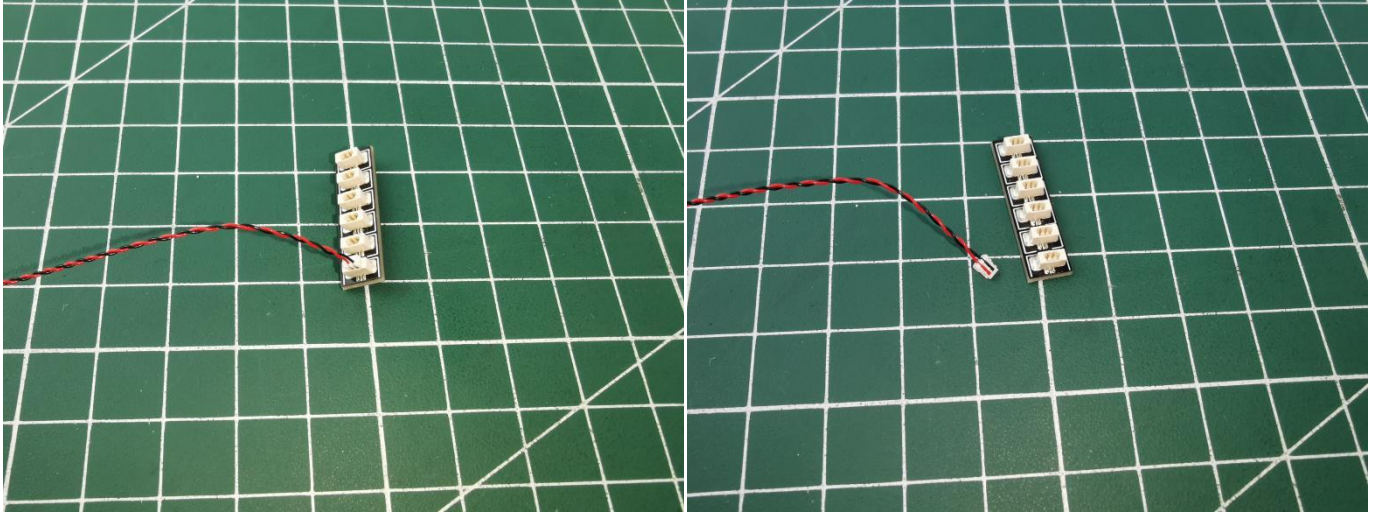
It is worth reminding that our products are all customized. They have a unique way of connecting. The white plug on wire and the socket of the expansion board need to be connected together to transmit power.

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.

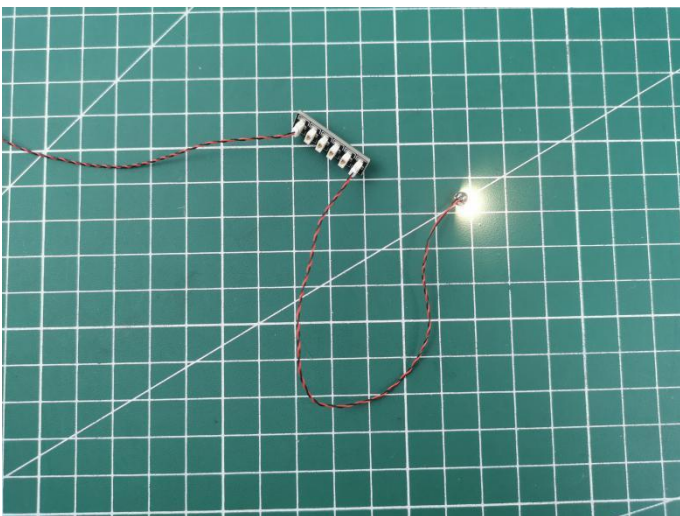
USB connectors to connect devices



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.



when we test "Headlights-15CM-Warm White" particles,Take out the bag labelled "Headlights-15CM-Warm White".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 2*Light Strips-Cyan-28,1*Headlights-15CM-White,2*Headlights-15CM-Red,7*Headlights-15CM-Blue, 1*Headlights-30CM-White,1*Headlights-30CM-Green,2*Bit Lights-15CM-Warm White,2*Bit Lights-15CM-White,4*Bit Lights-15CM-Red,2*Bit Lights-15CM-Green,2*Bit Lights-15CM-Blue.

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

Section C: laying out components following the instruction.

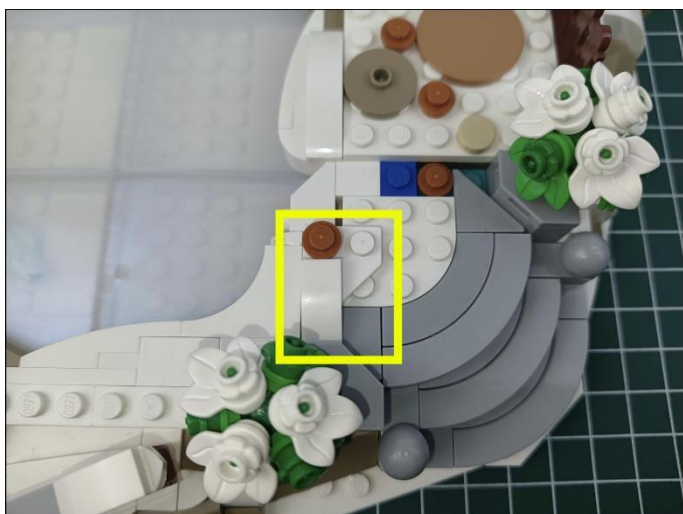
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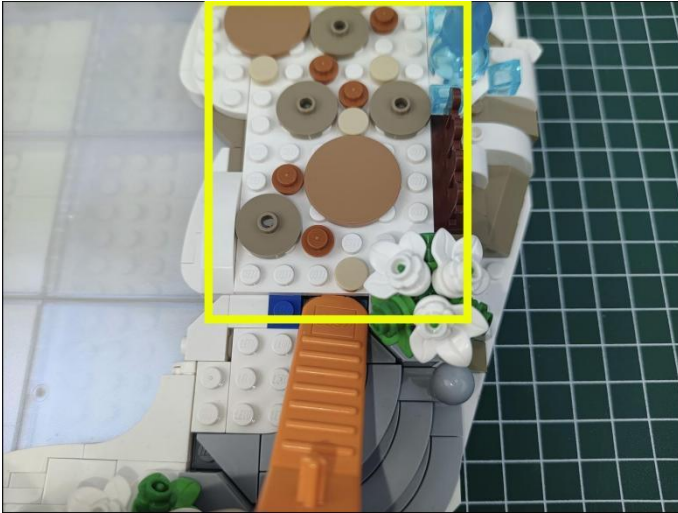
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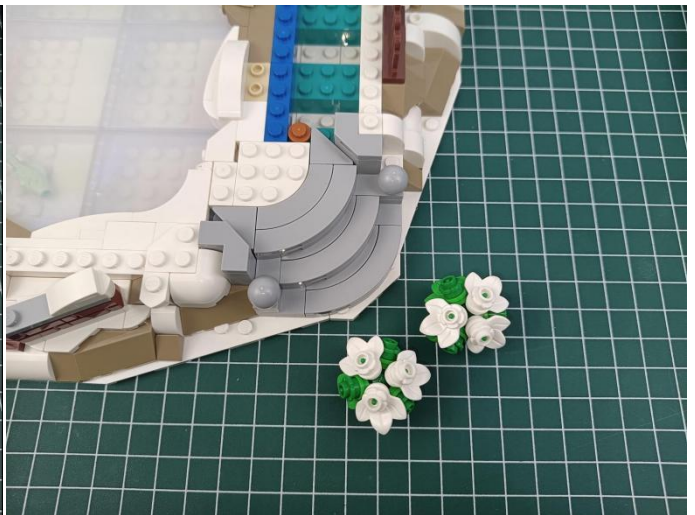
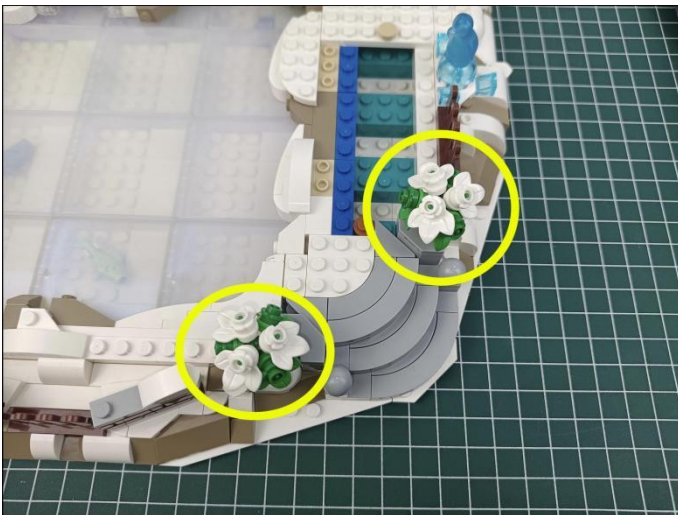
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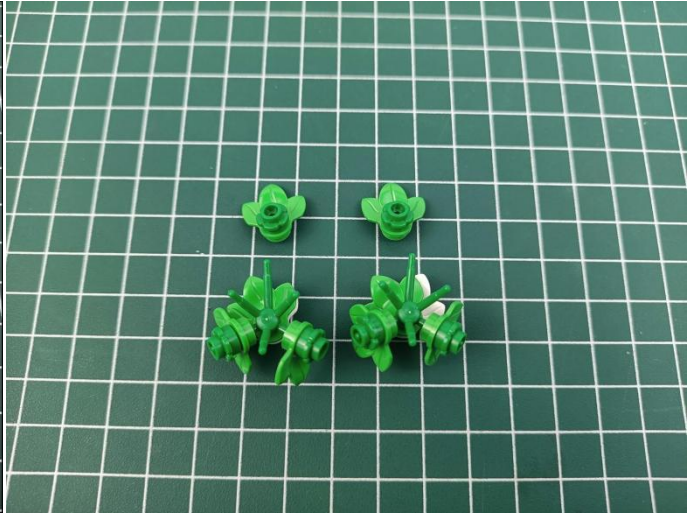
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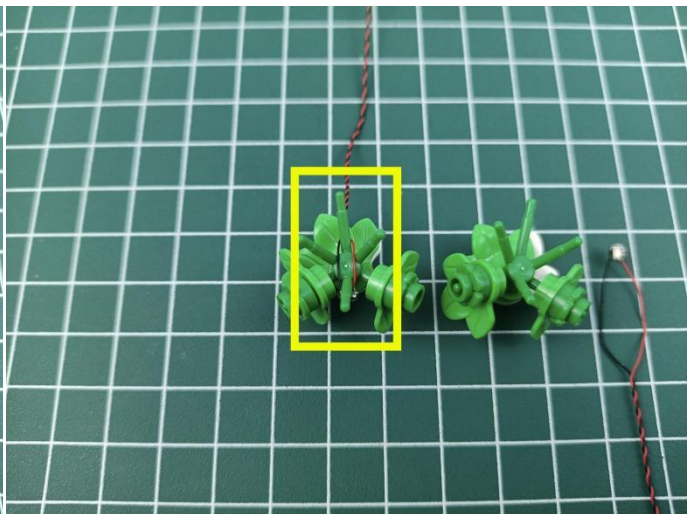
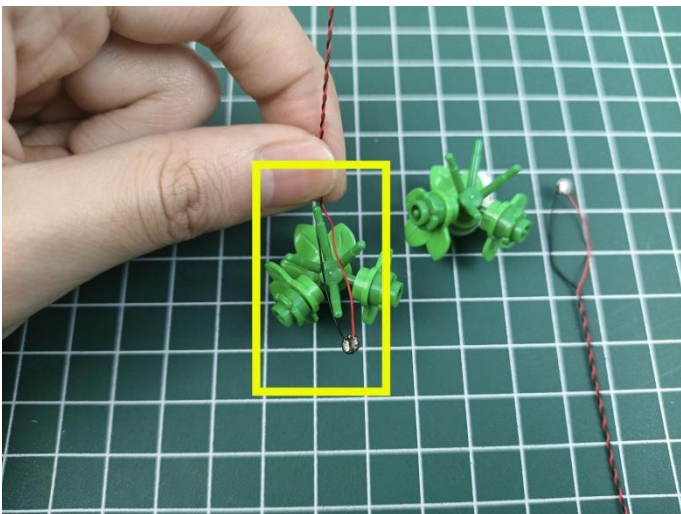
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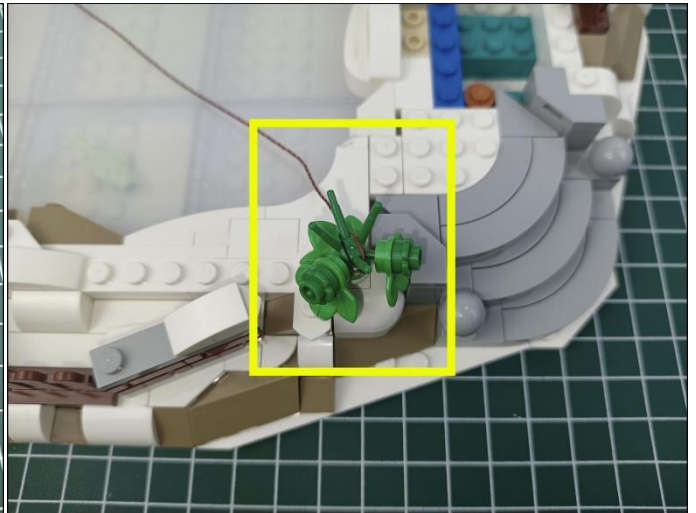
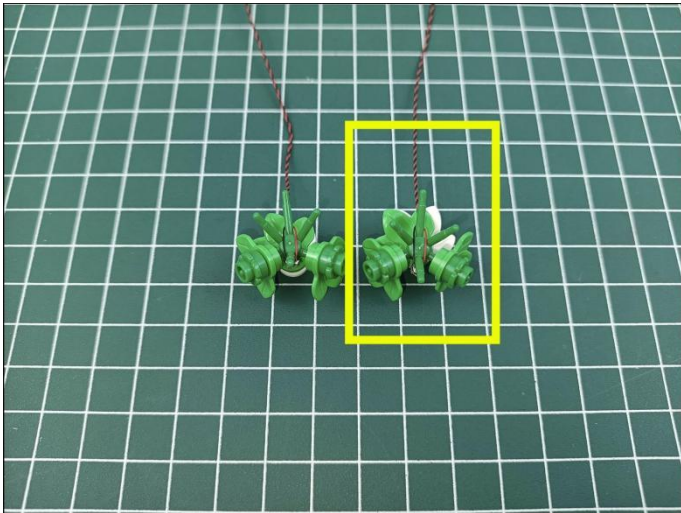
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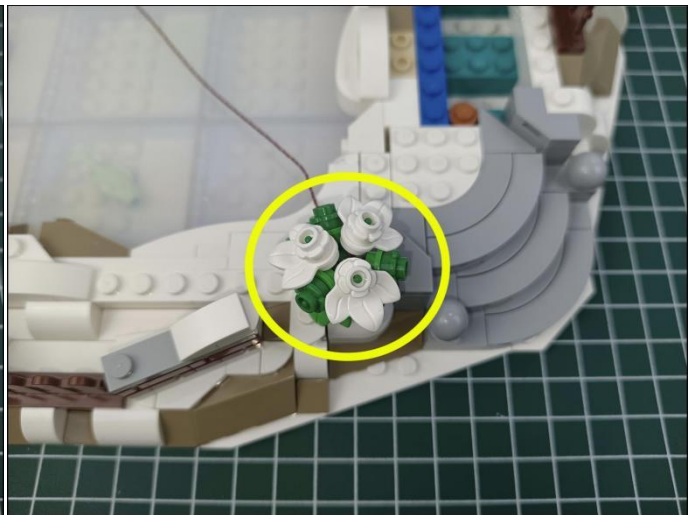
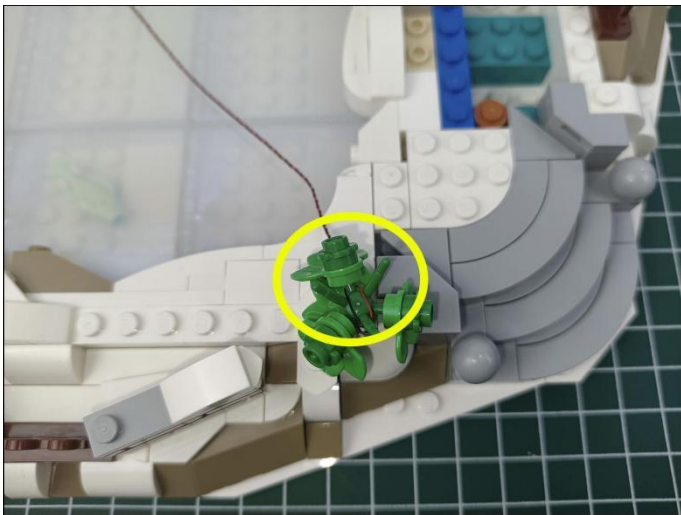
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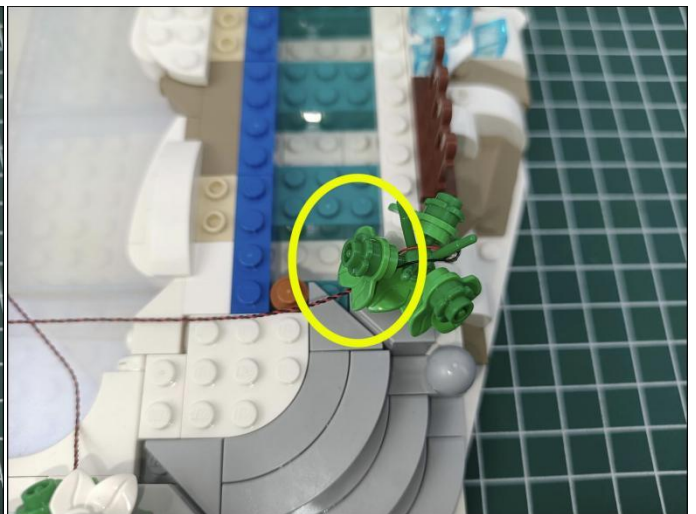
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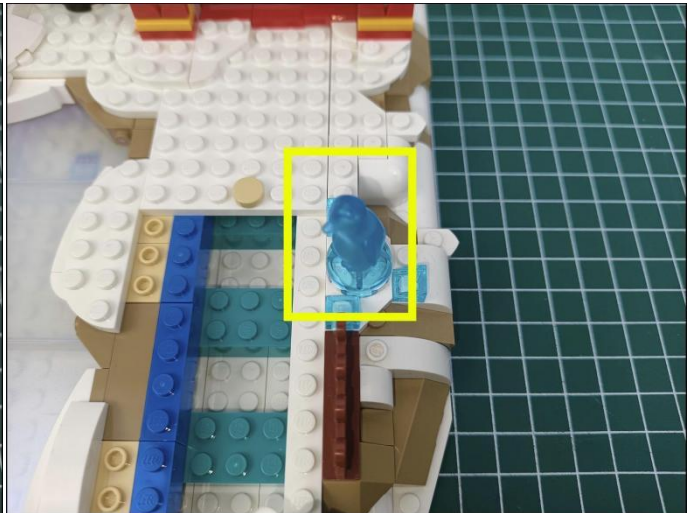
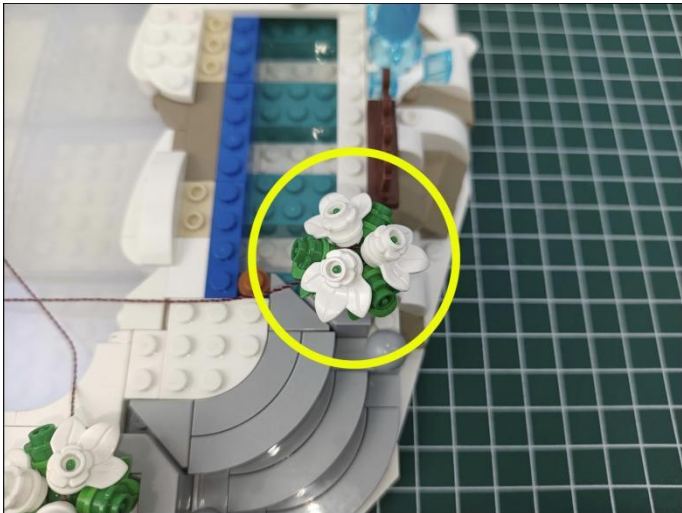
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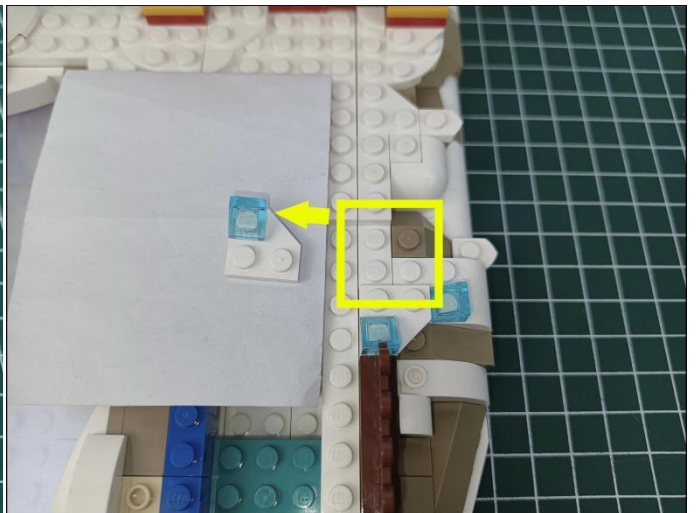
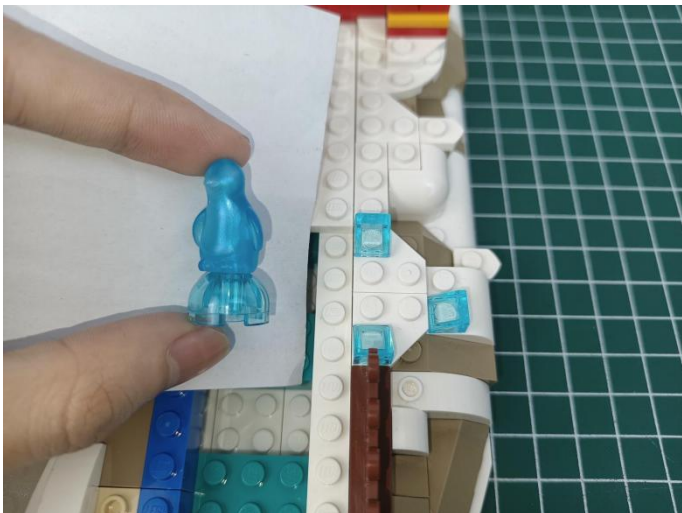
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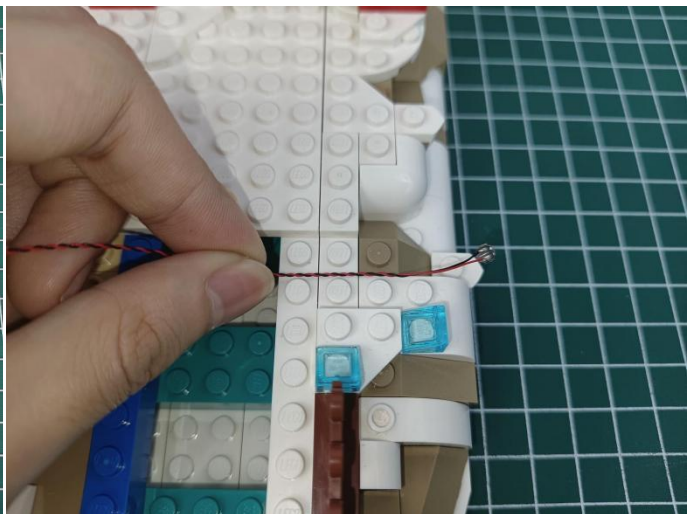
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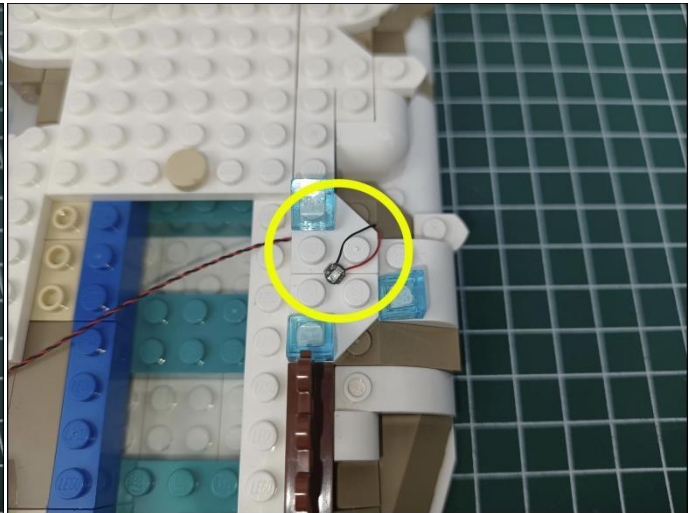
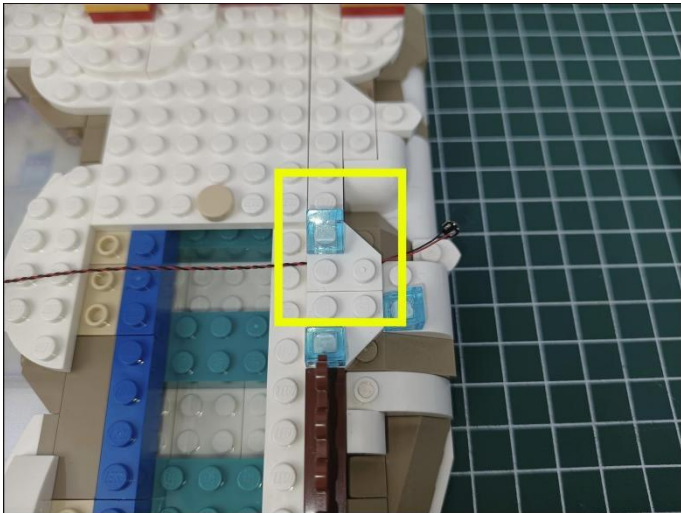
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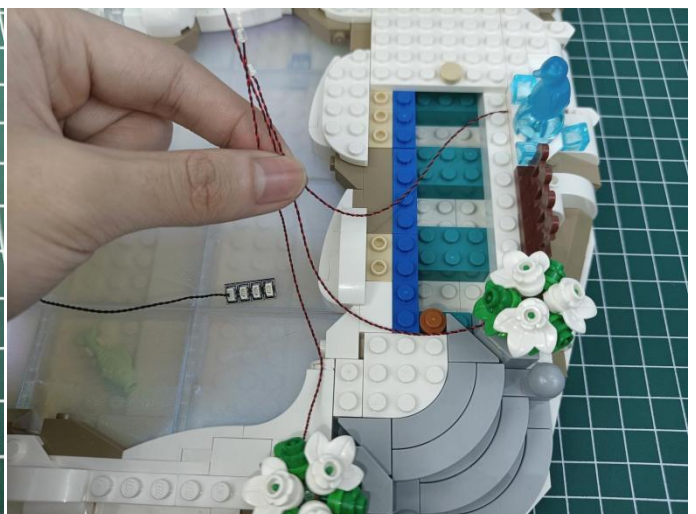
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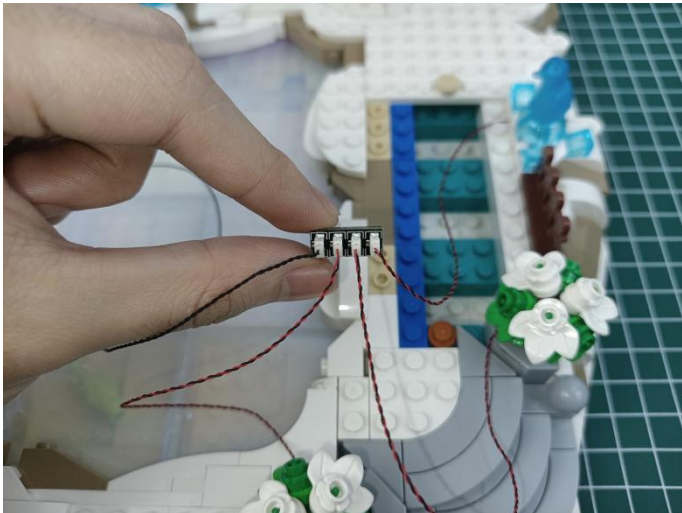
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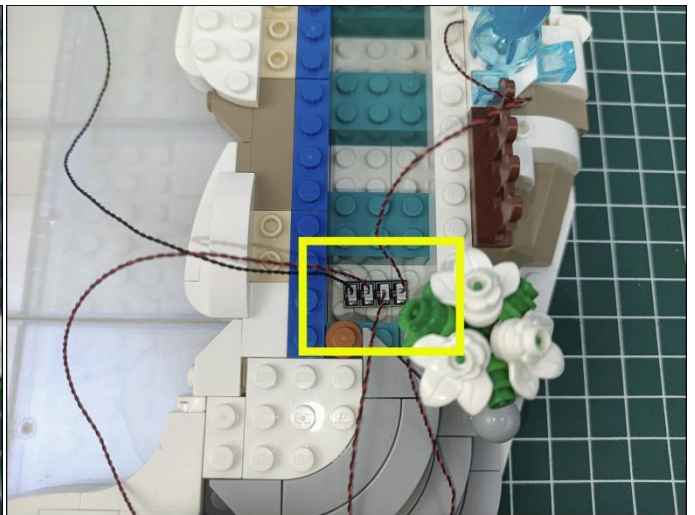
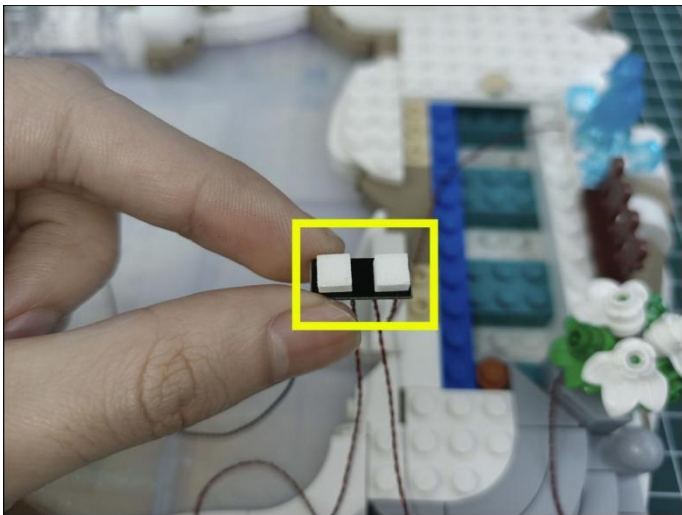
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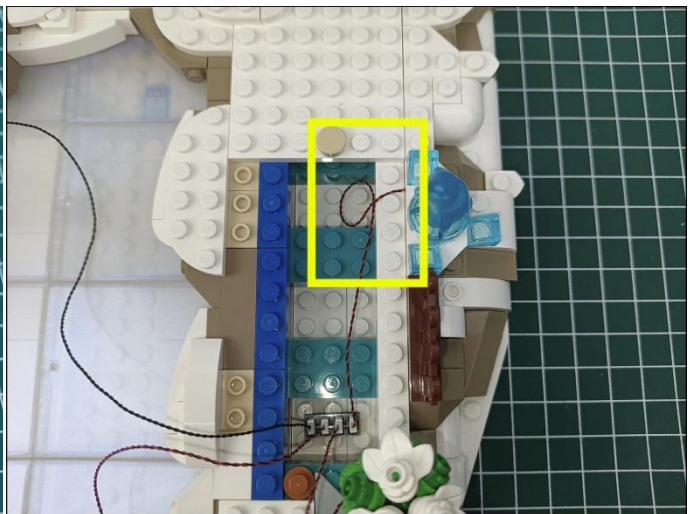
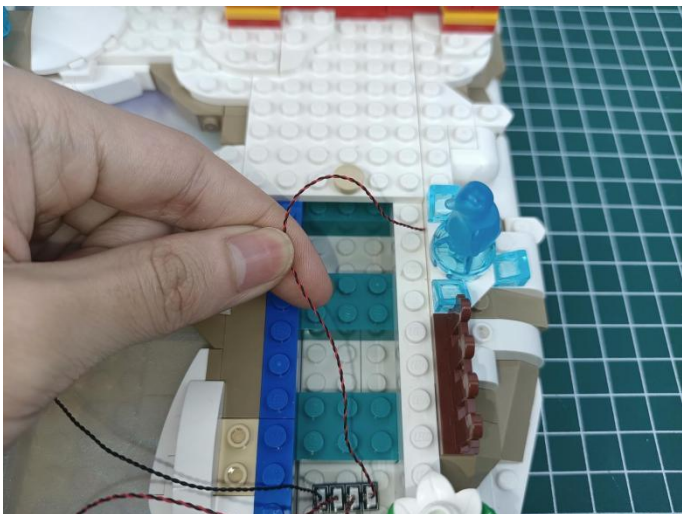
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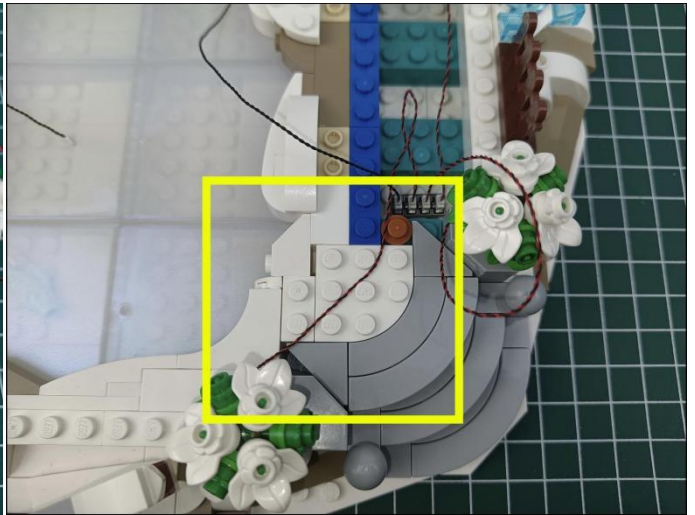
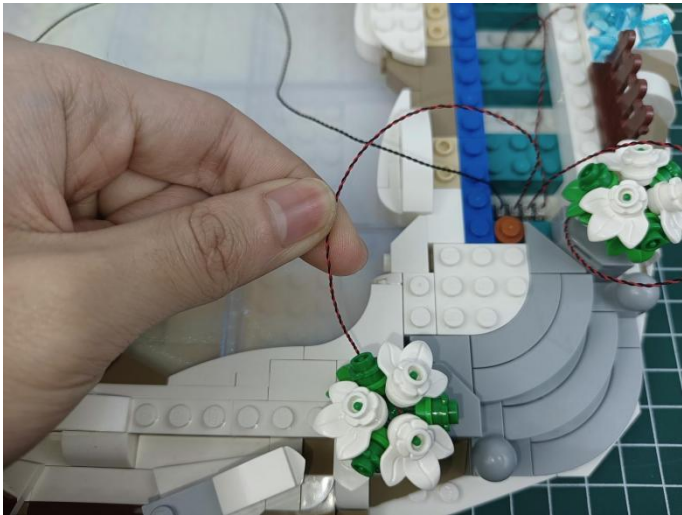
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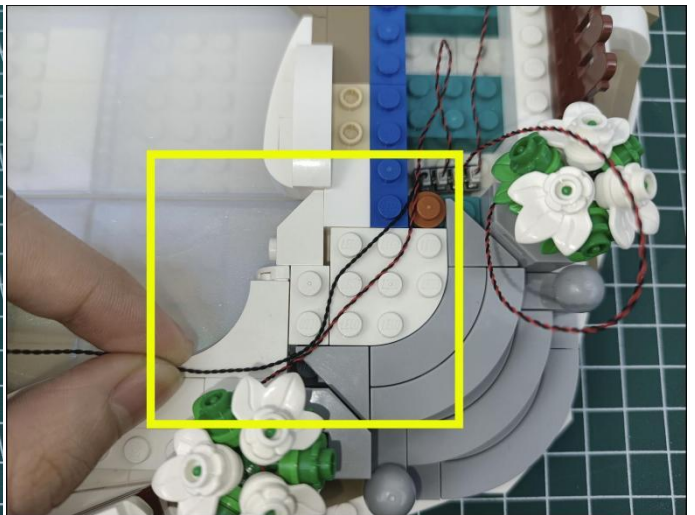
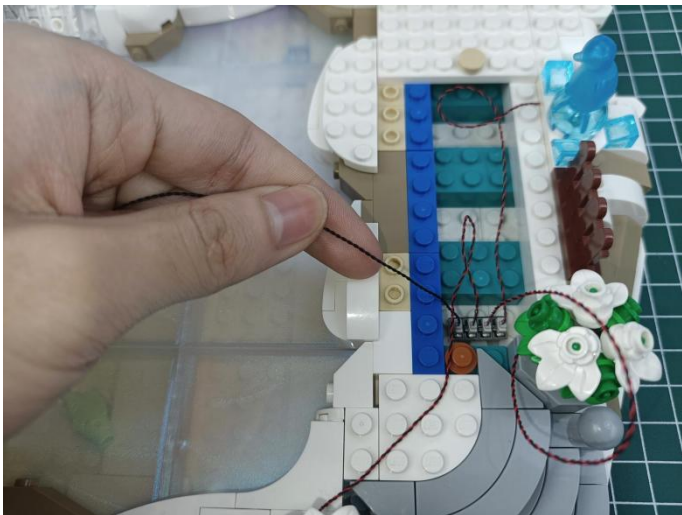
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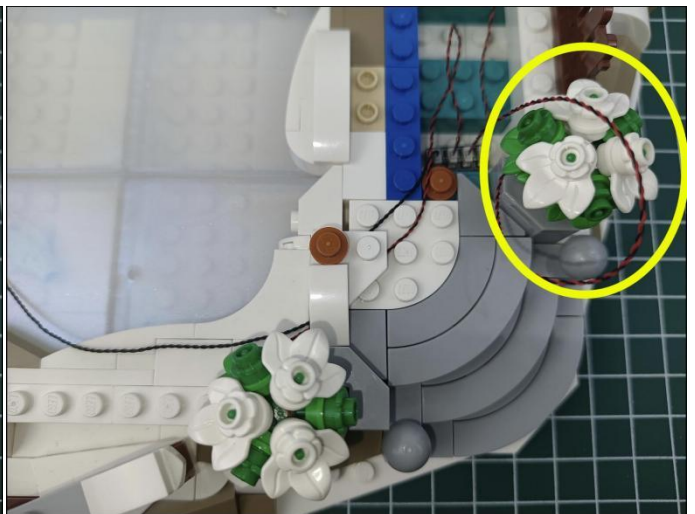
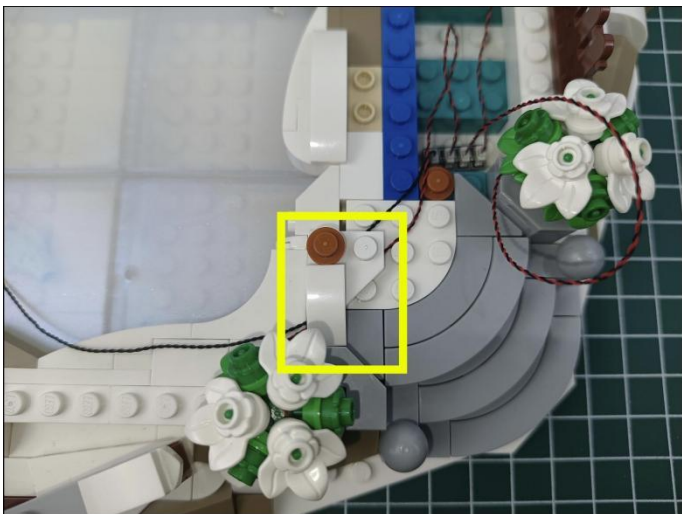
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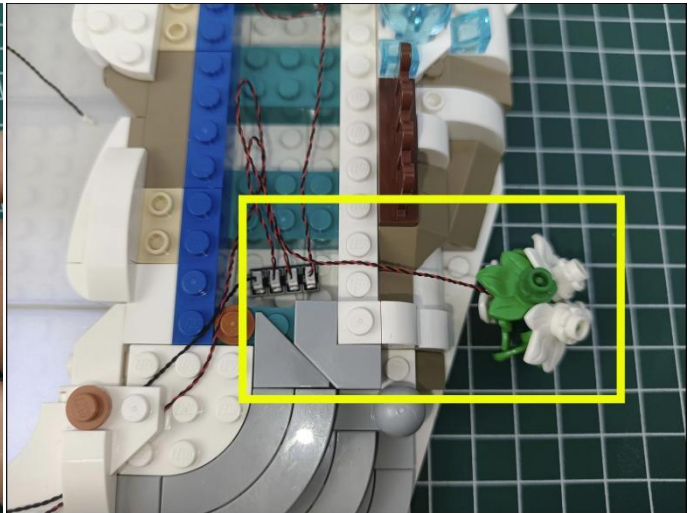
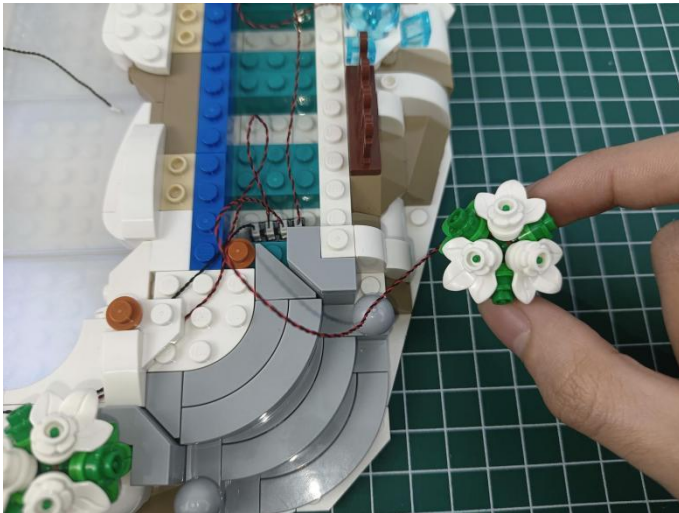
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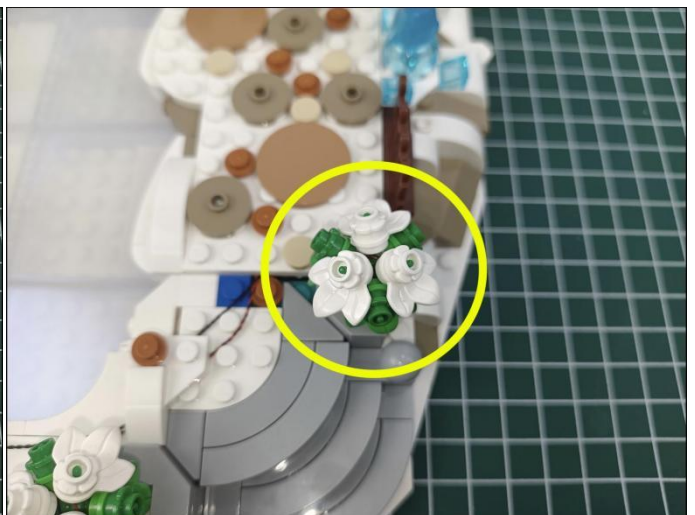
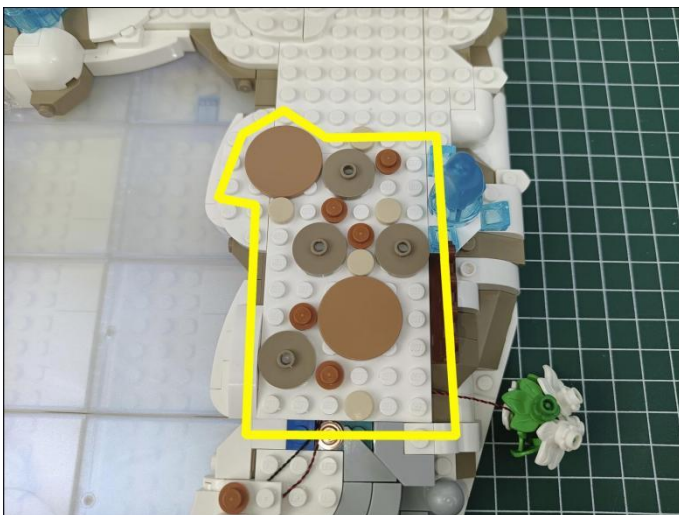
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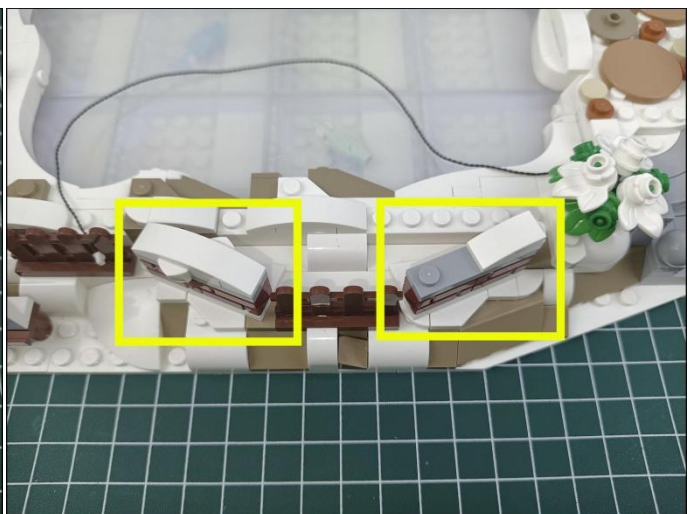
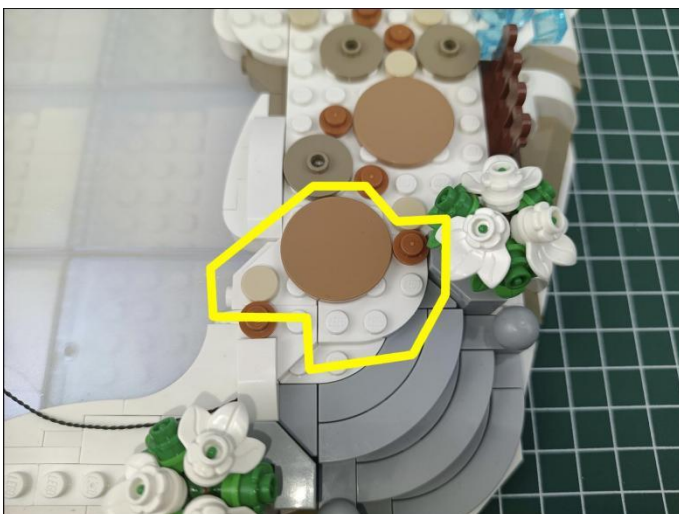
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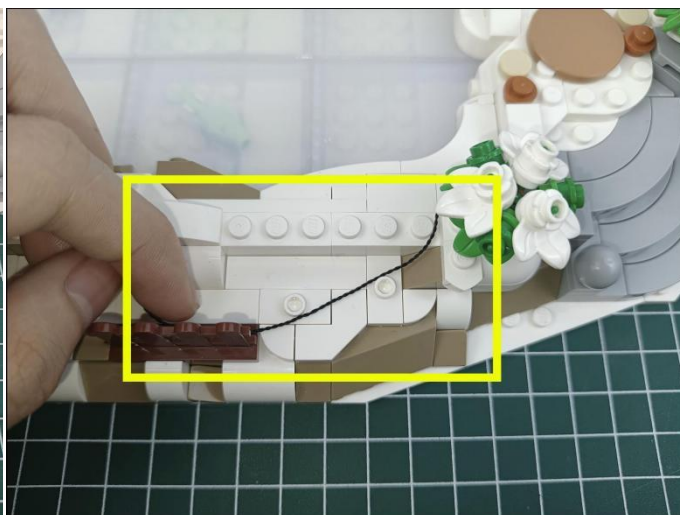
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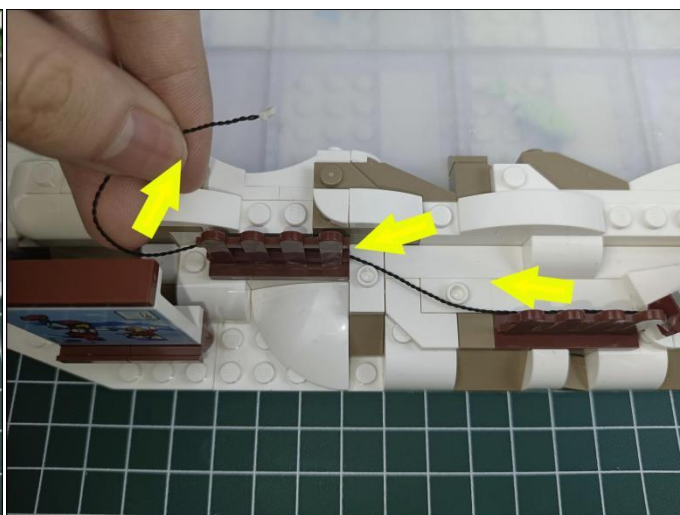
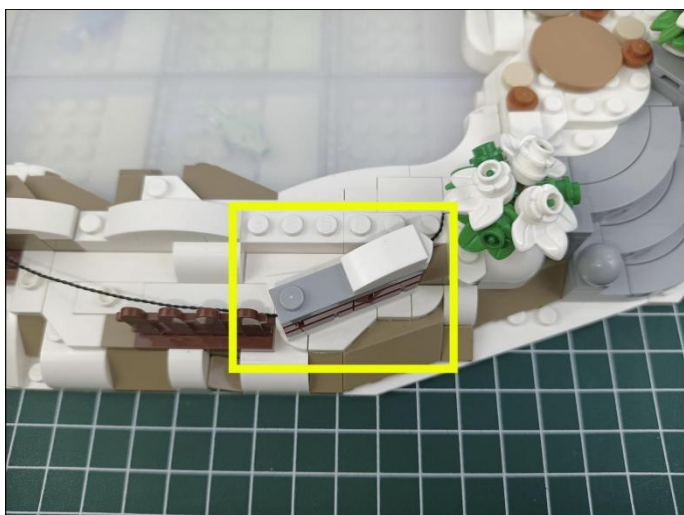
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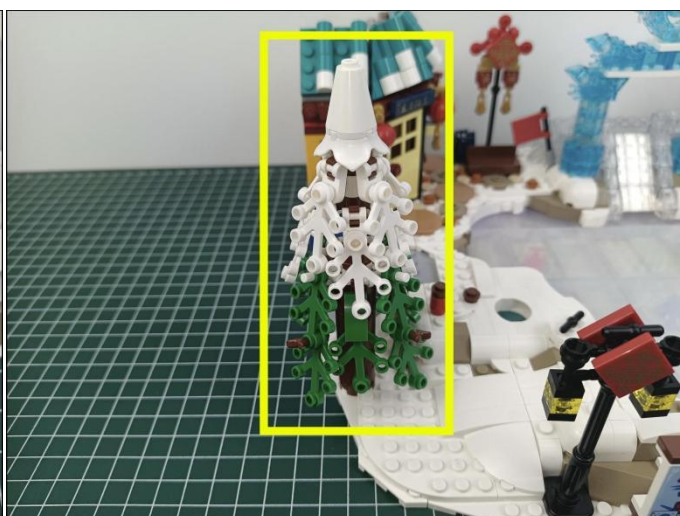
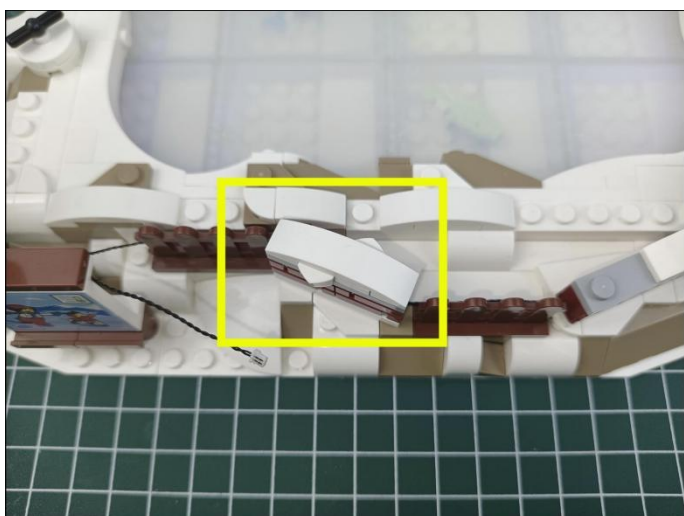
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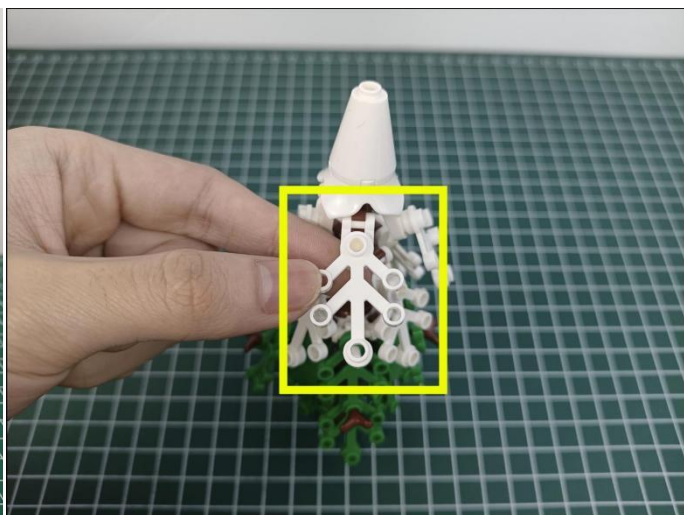
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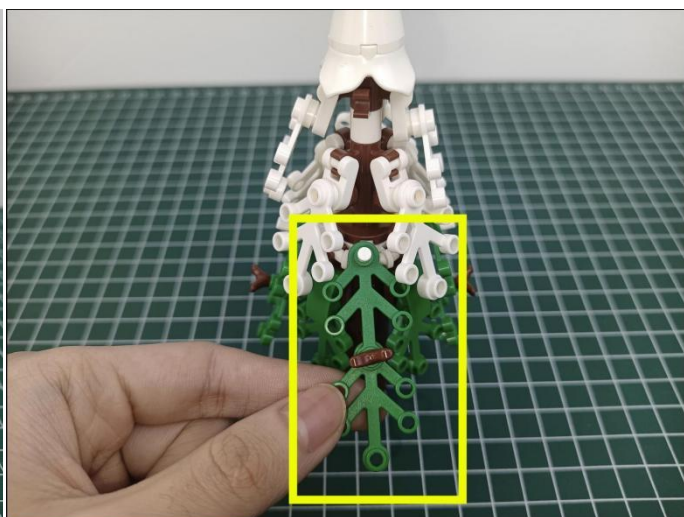
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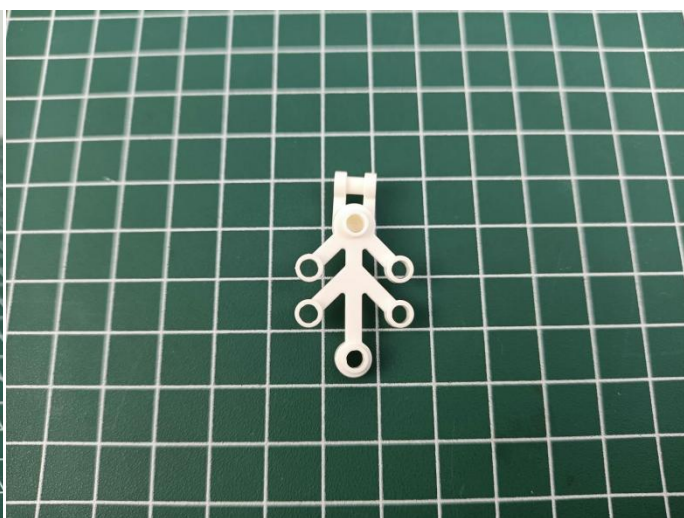
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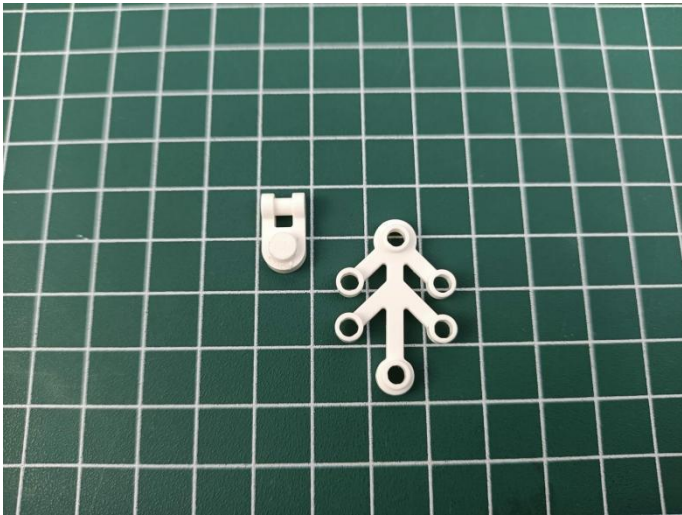
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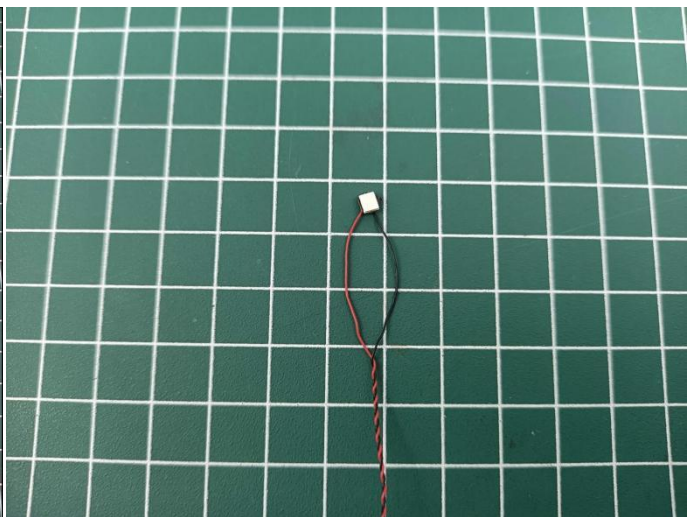
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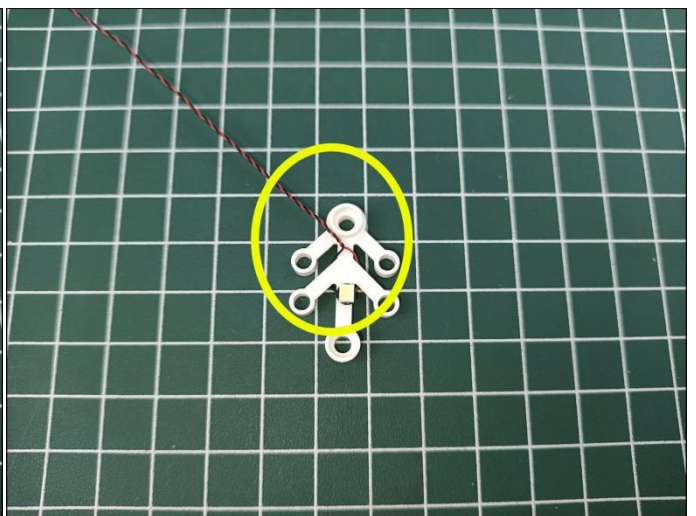
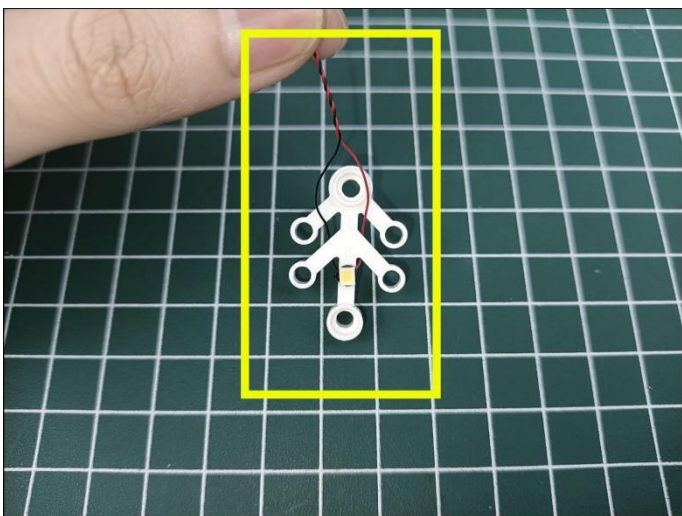
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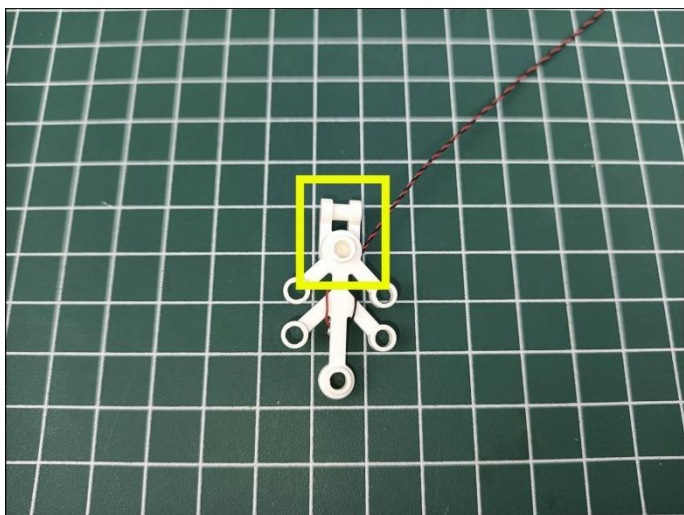
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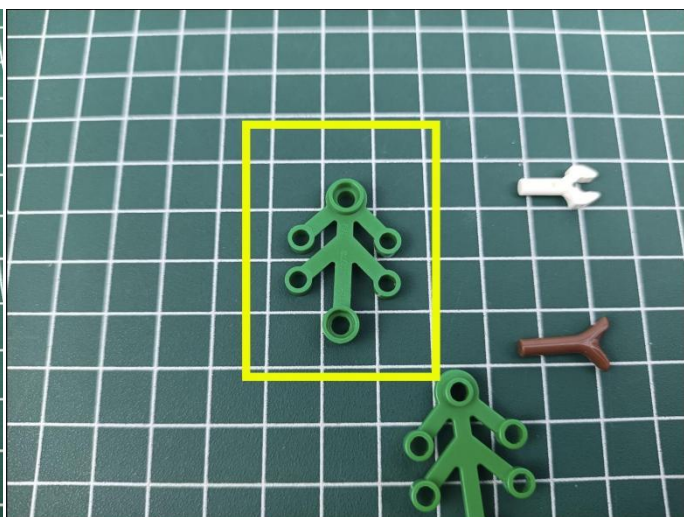
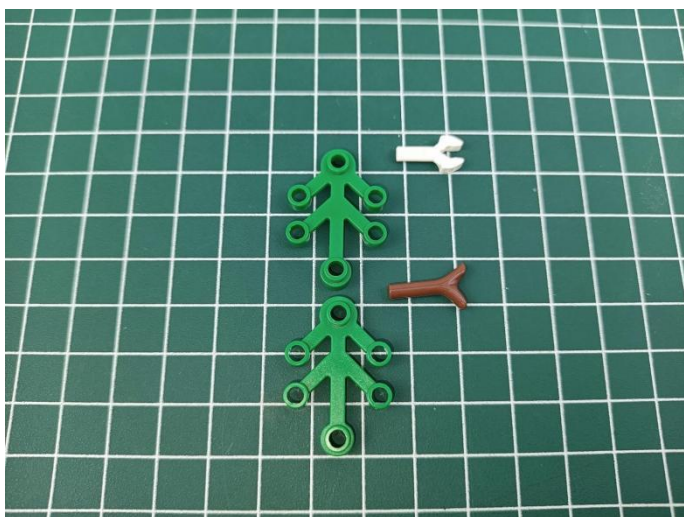
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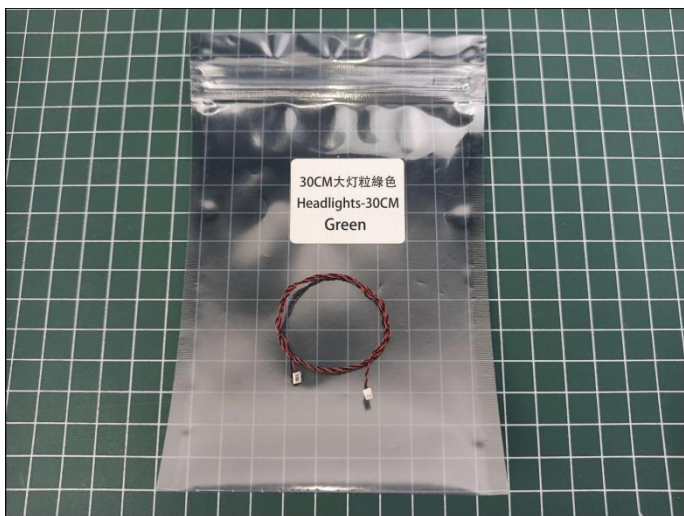
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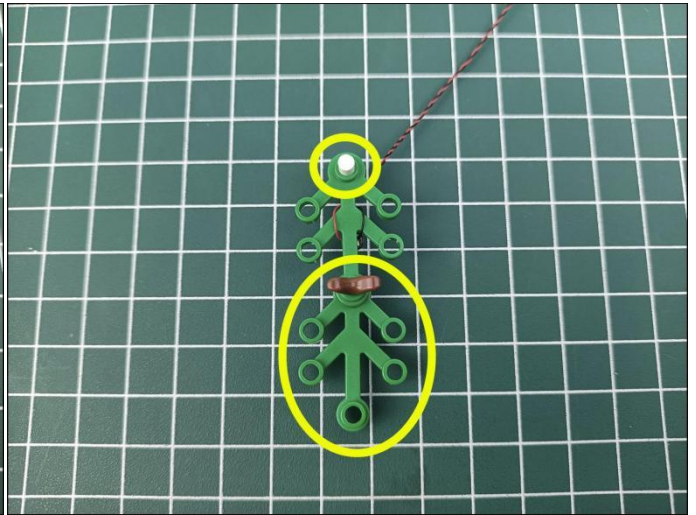
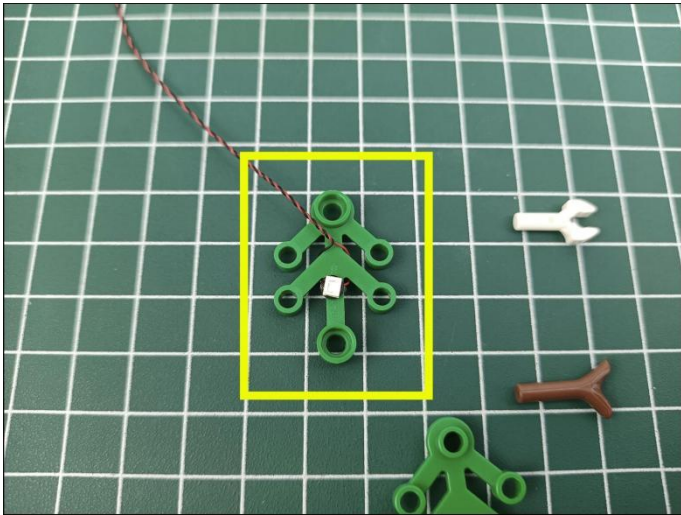
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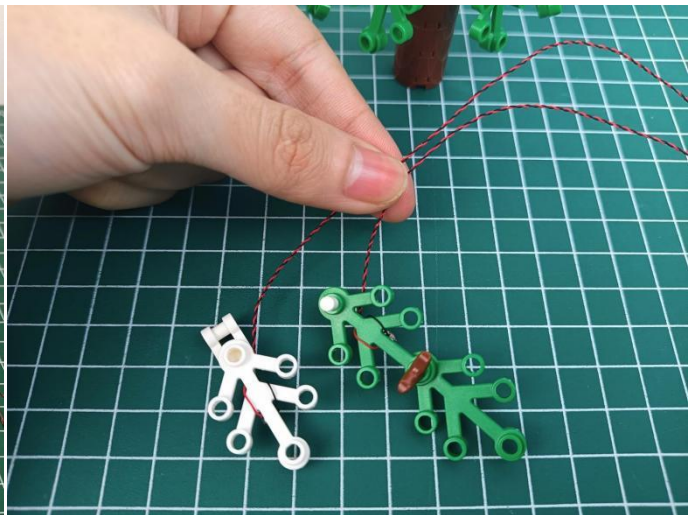
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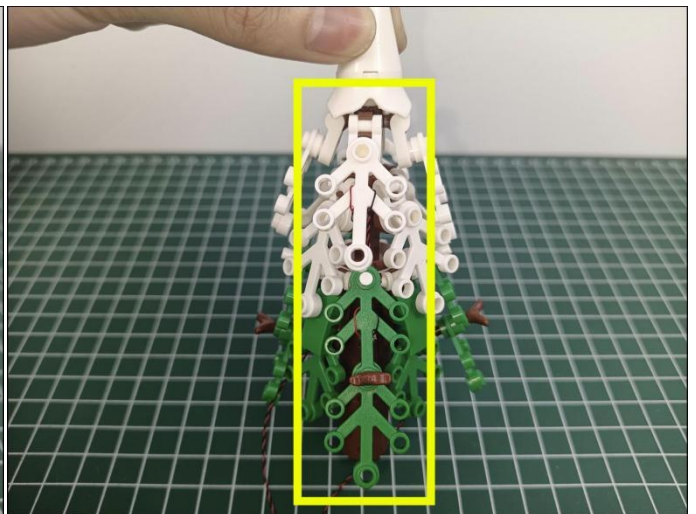
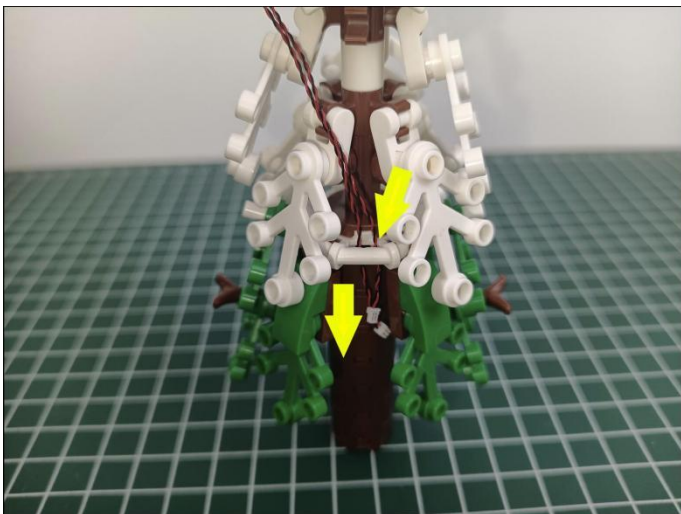
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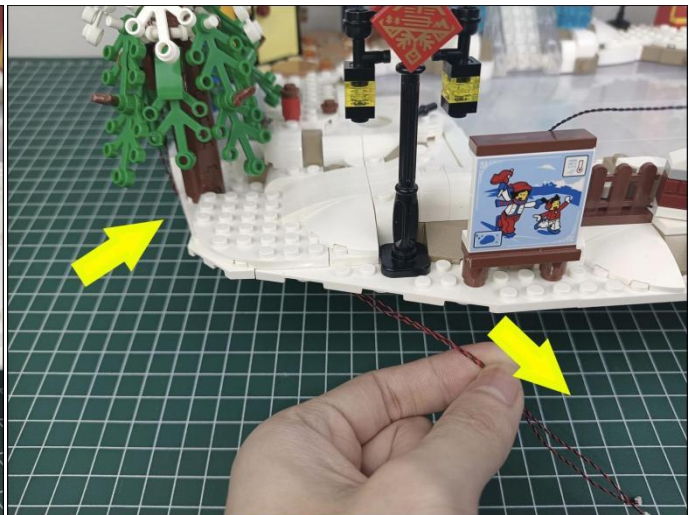
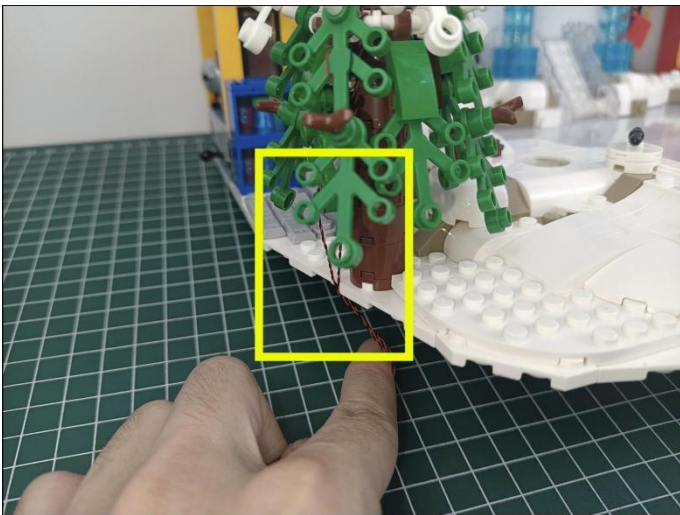
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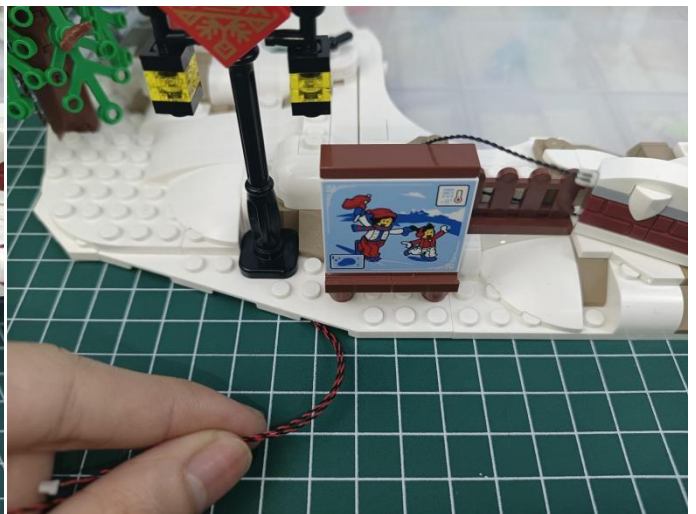
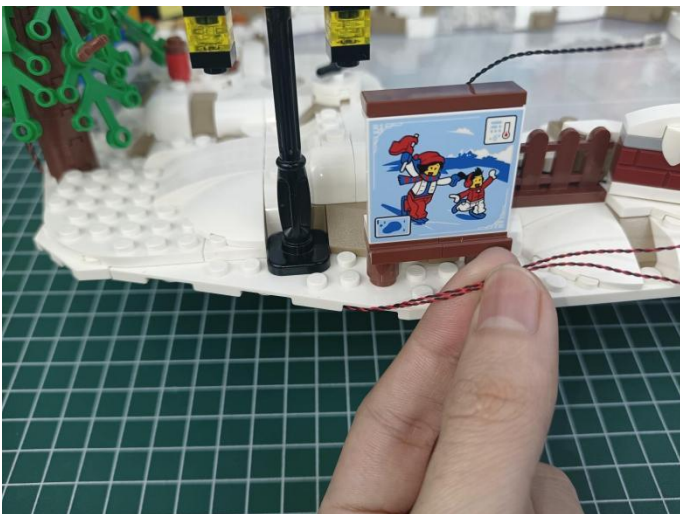
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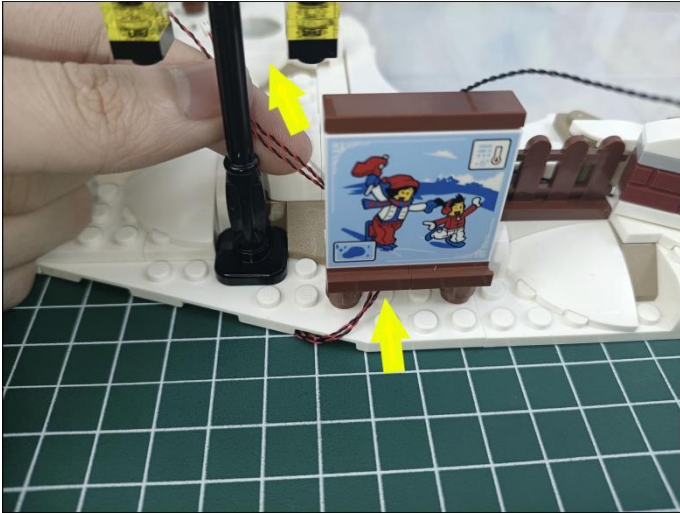
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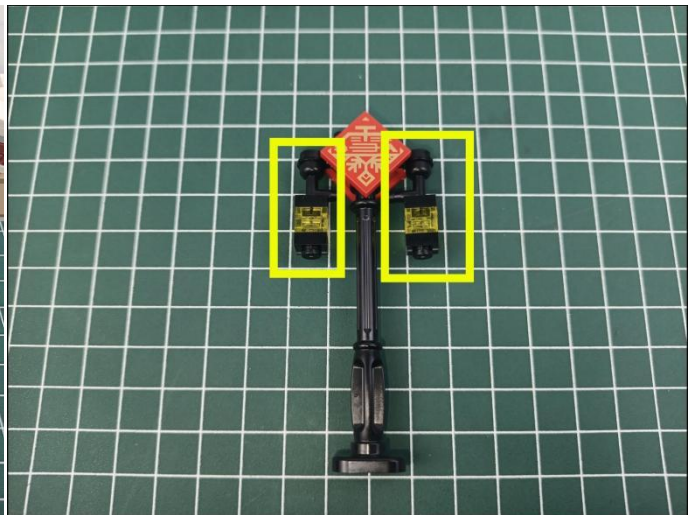
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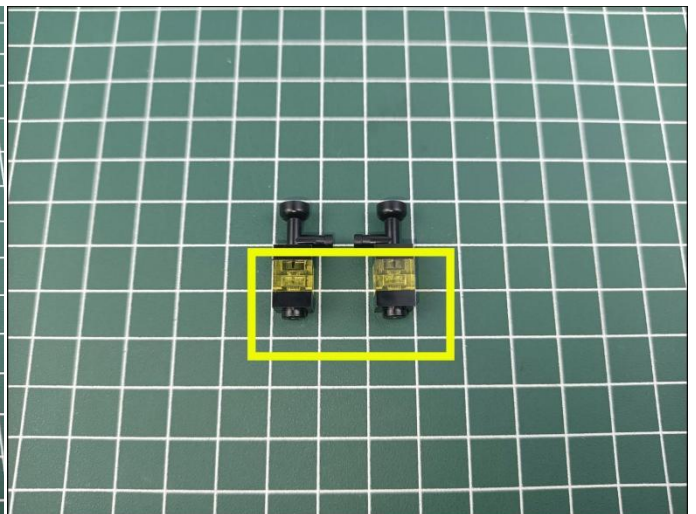
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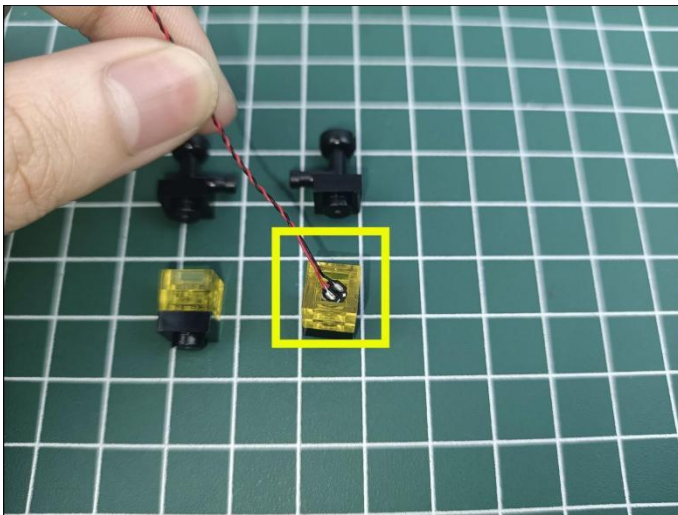
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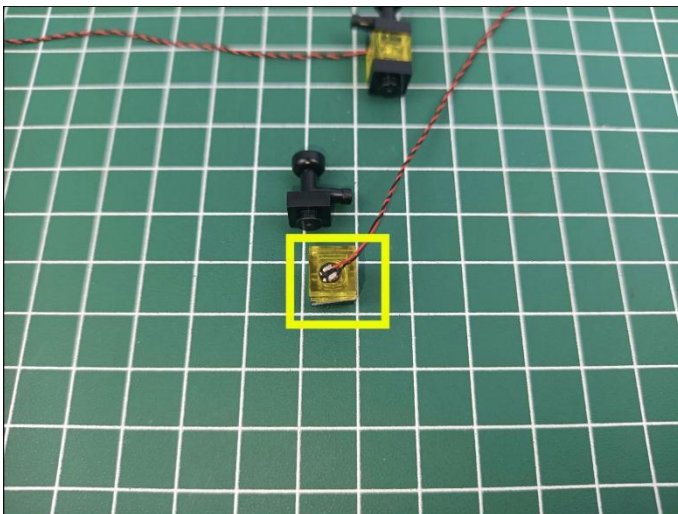
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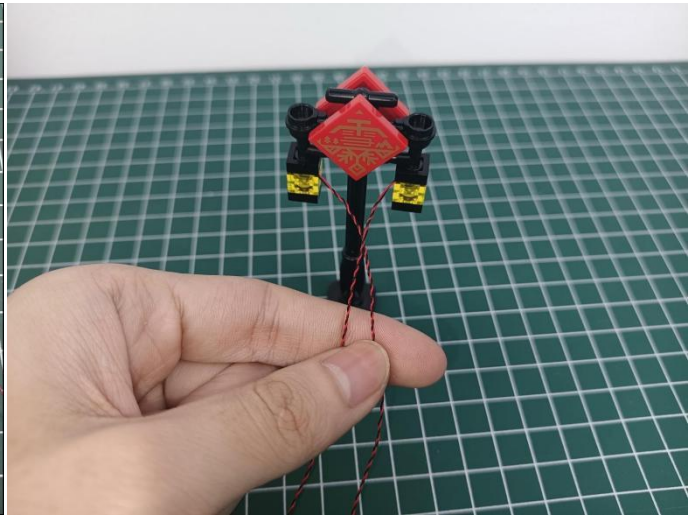
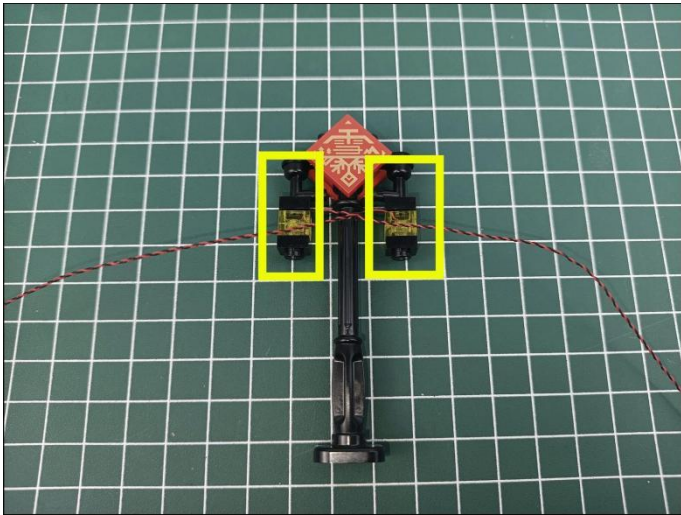
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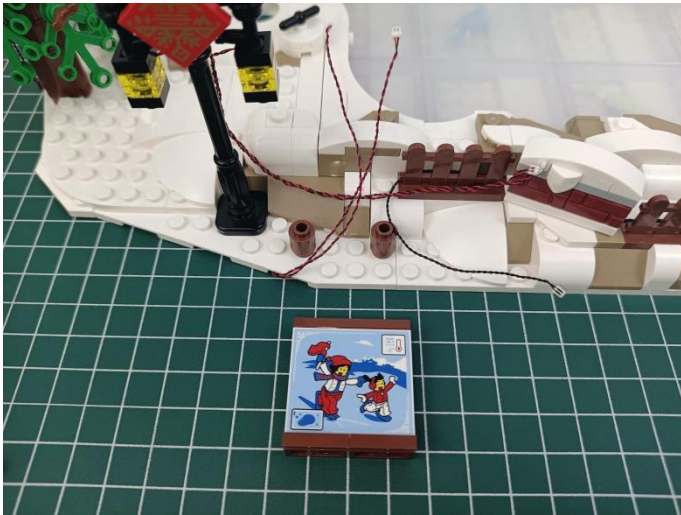
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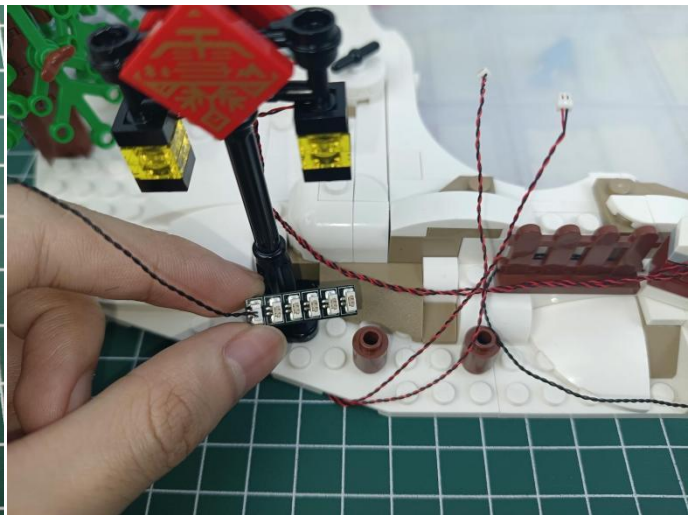
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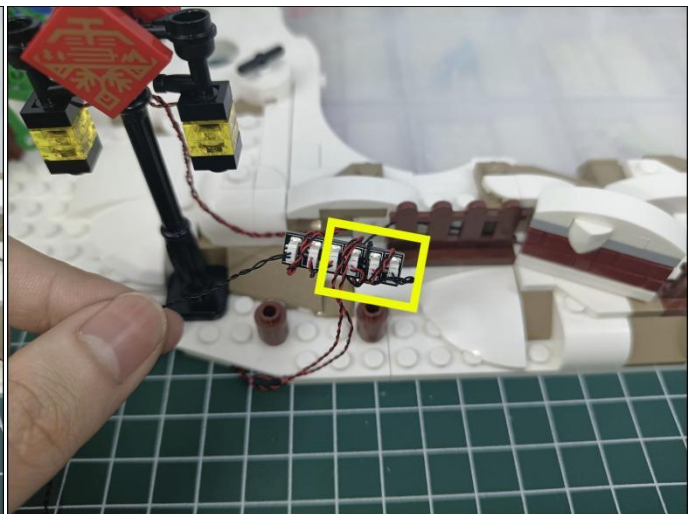
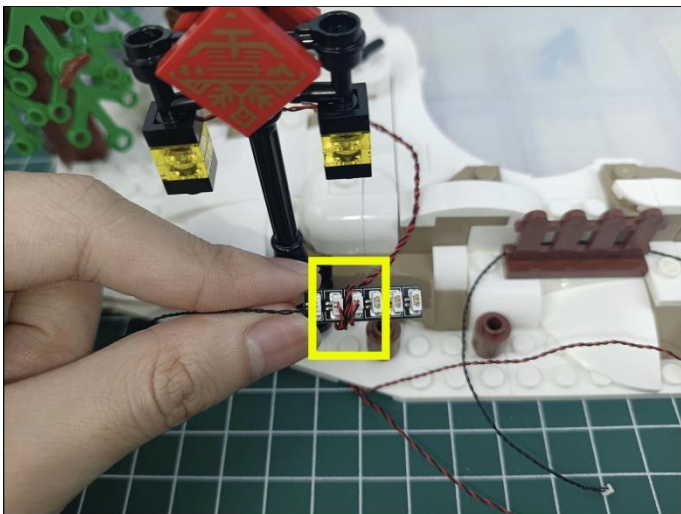
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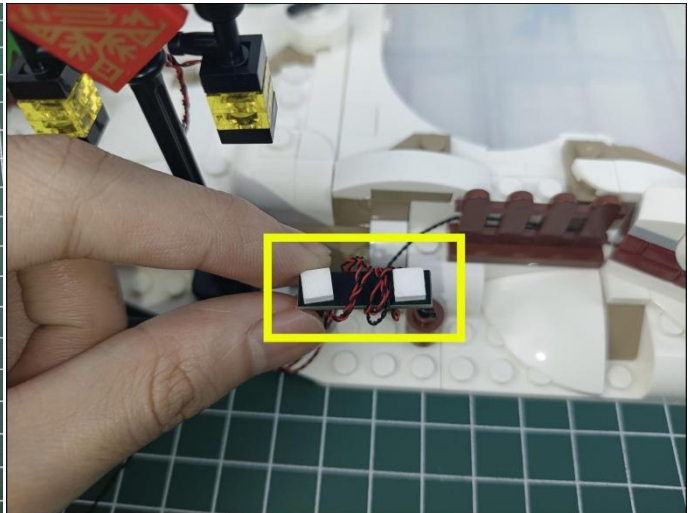
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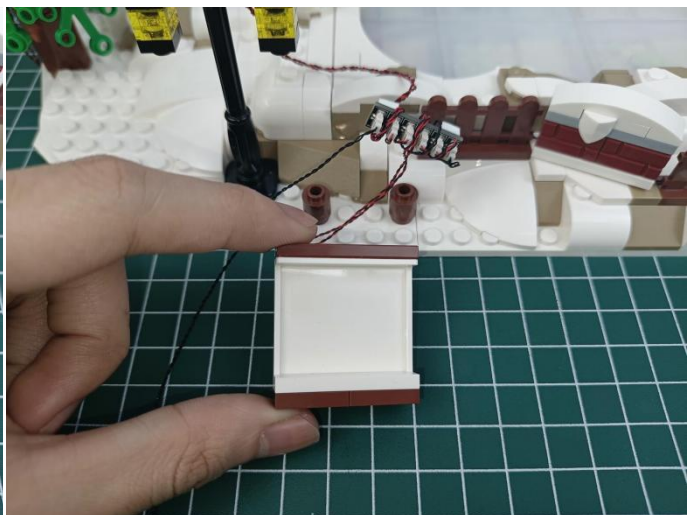
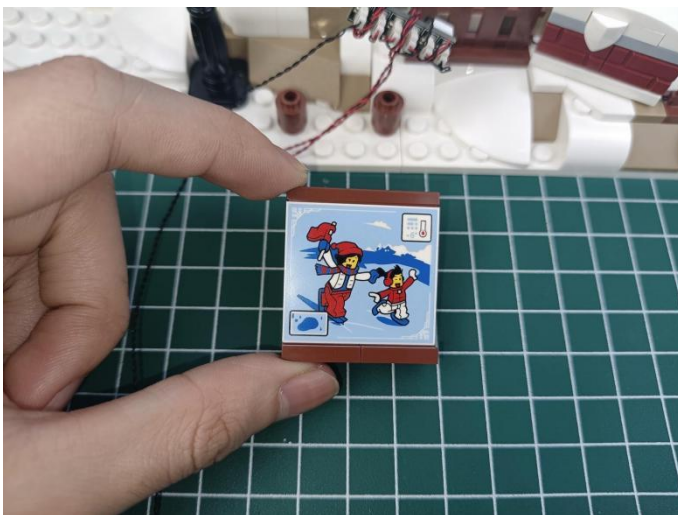
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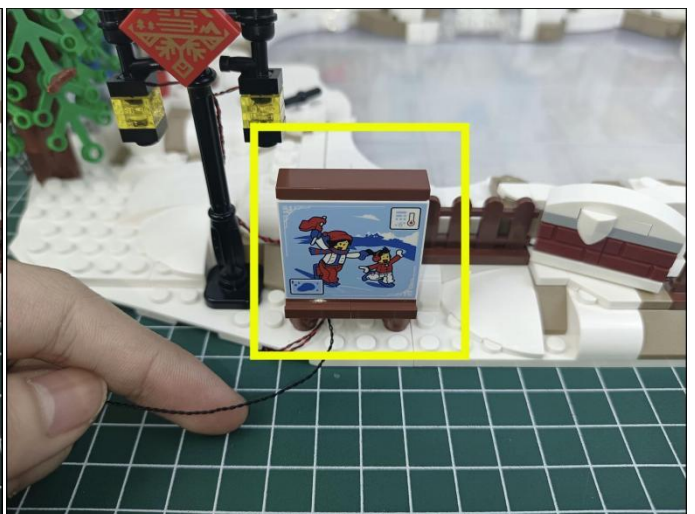
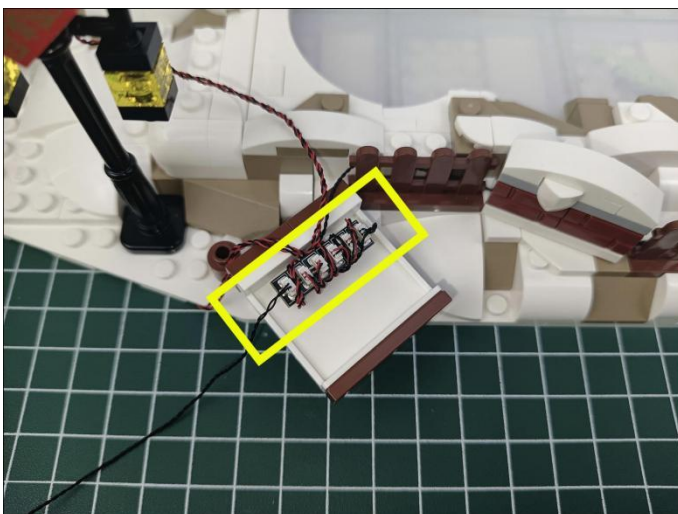
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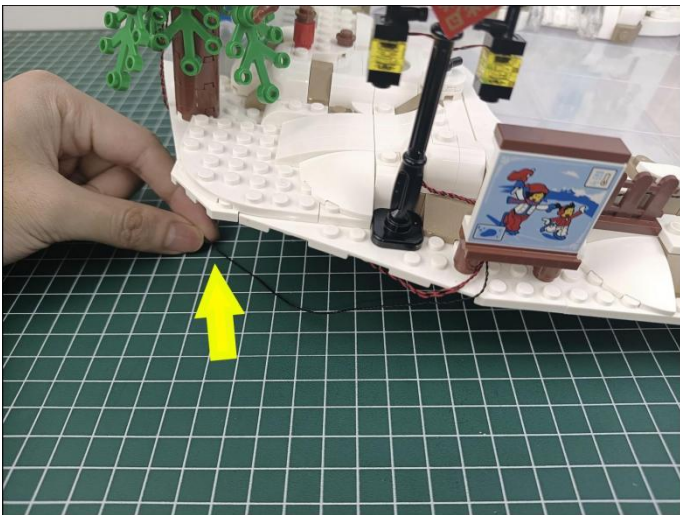
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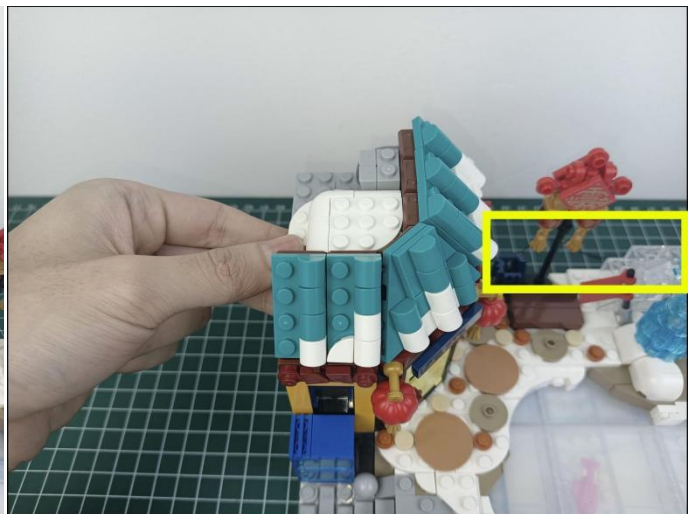
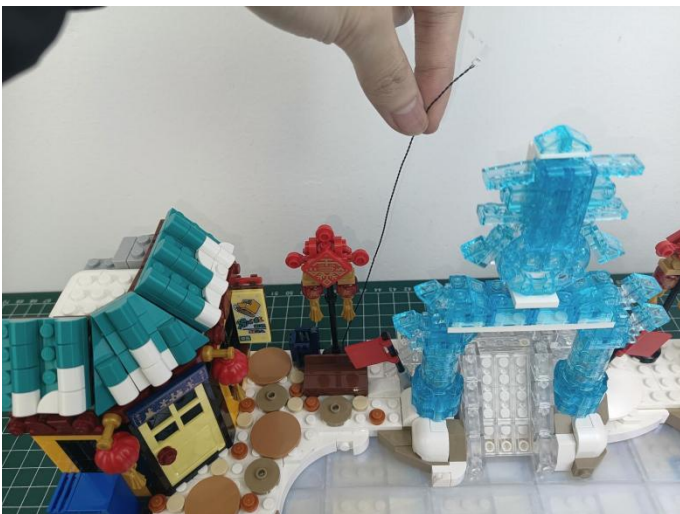
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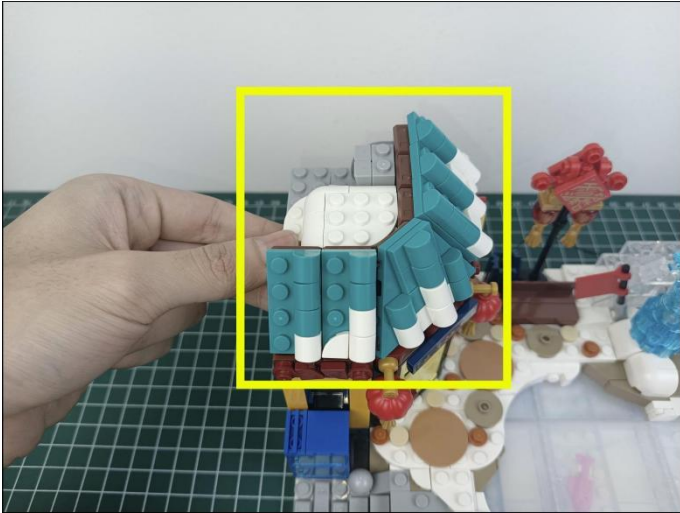
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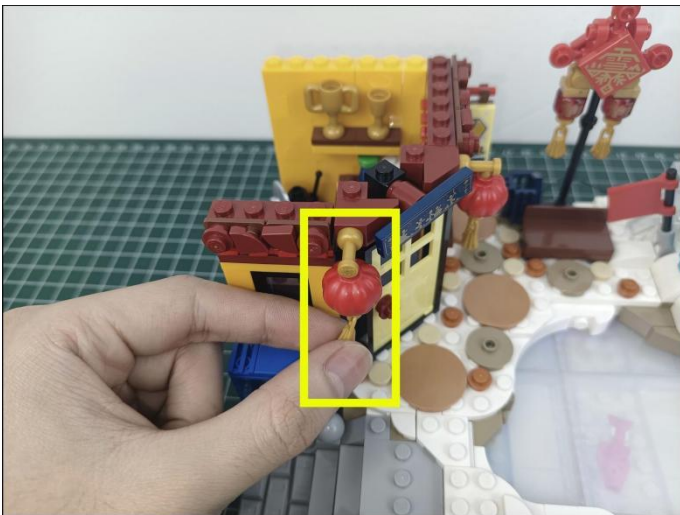
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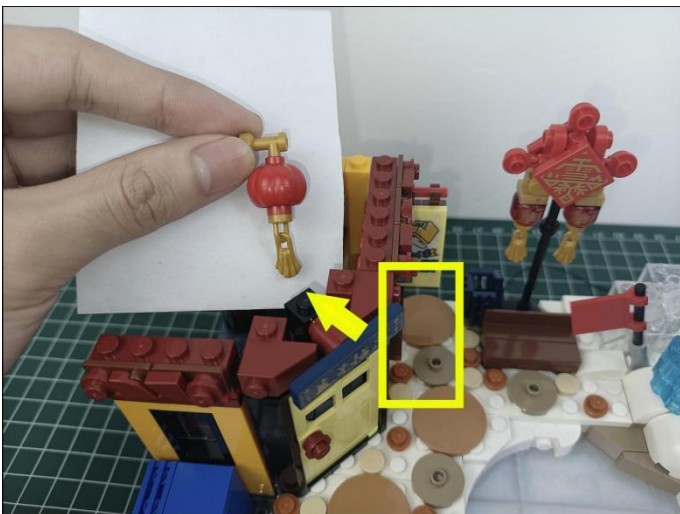
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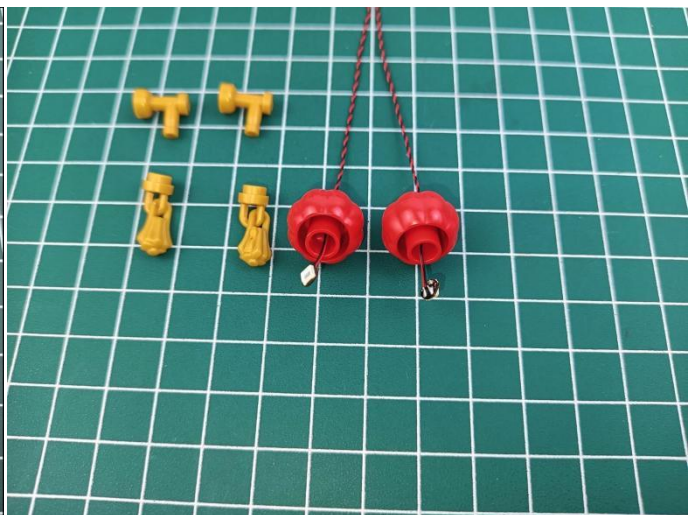
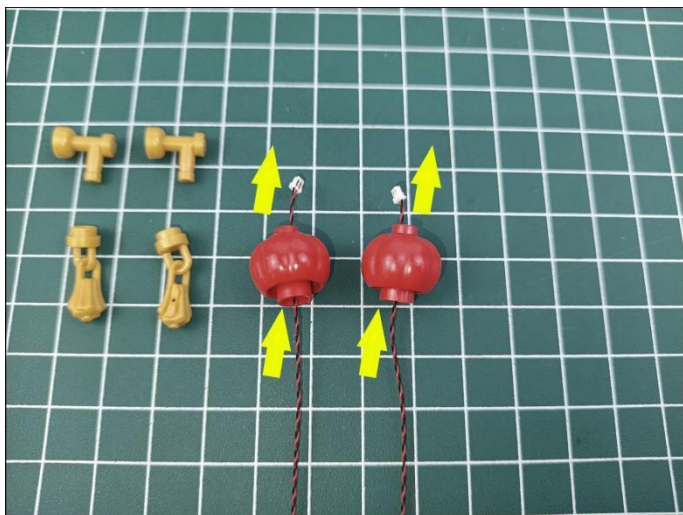
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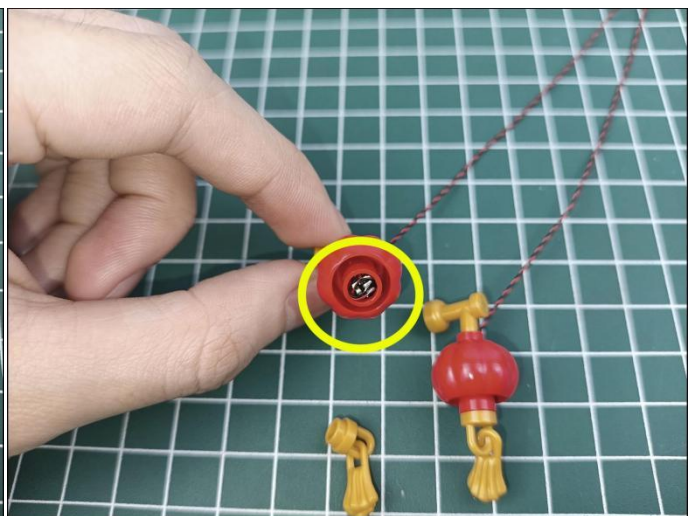
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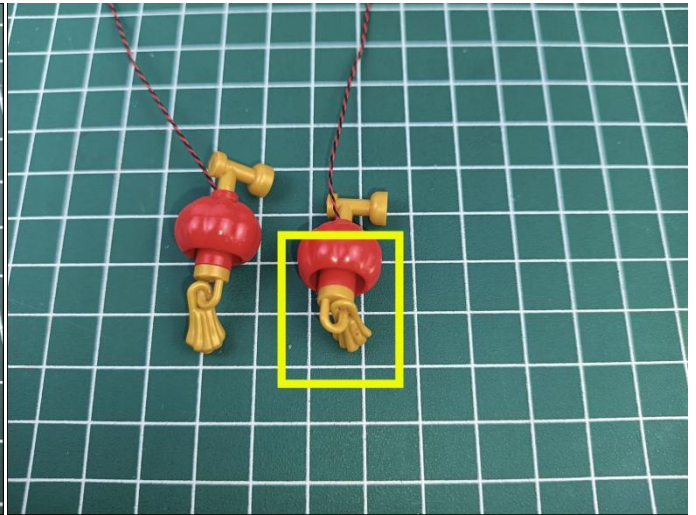
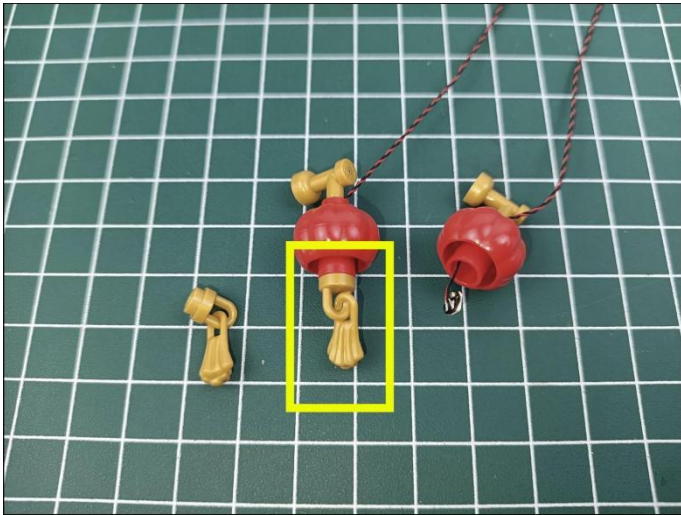
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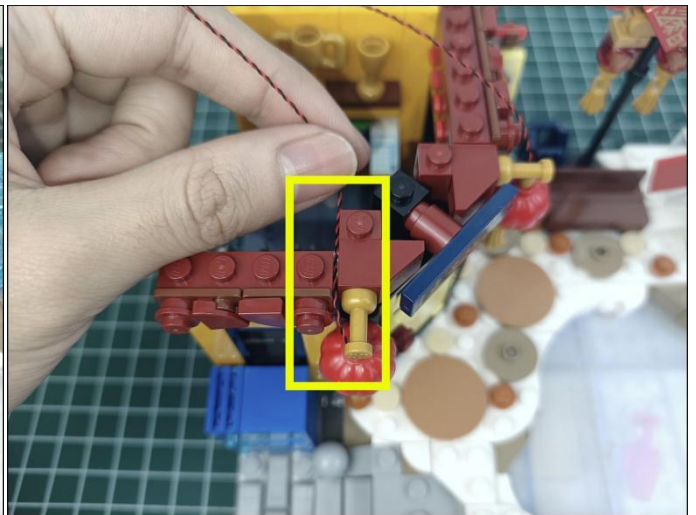
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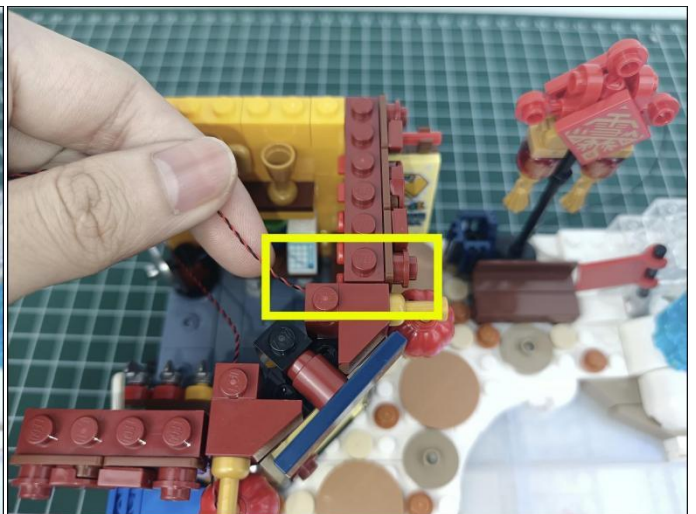
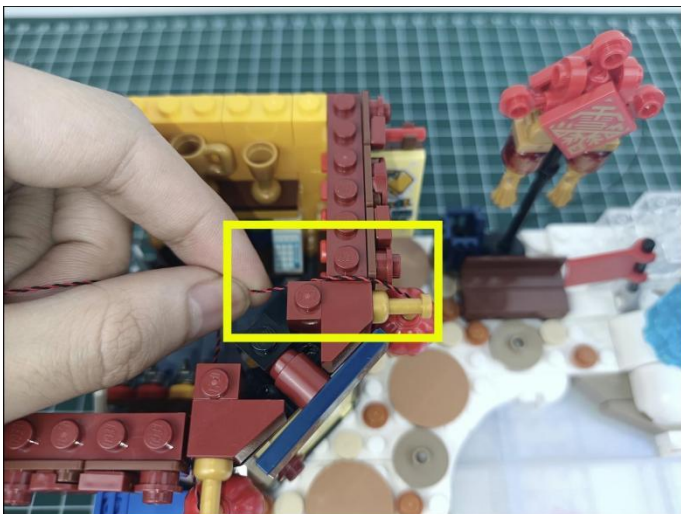
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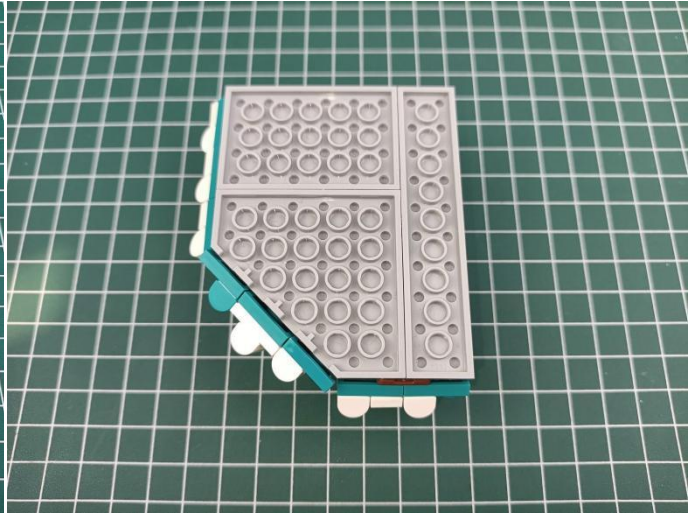
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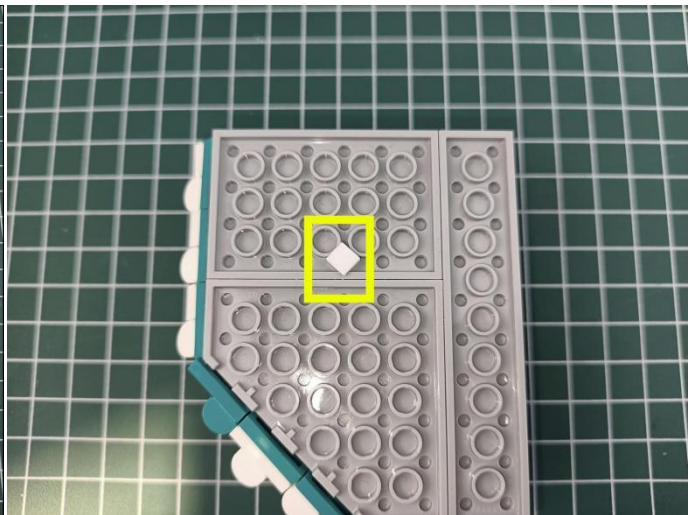
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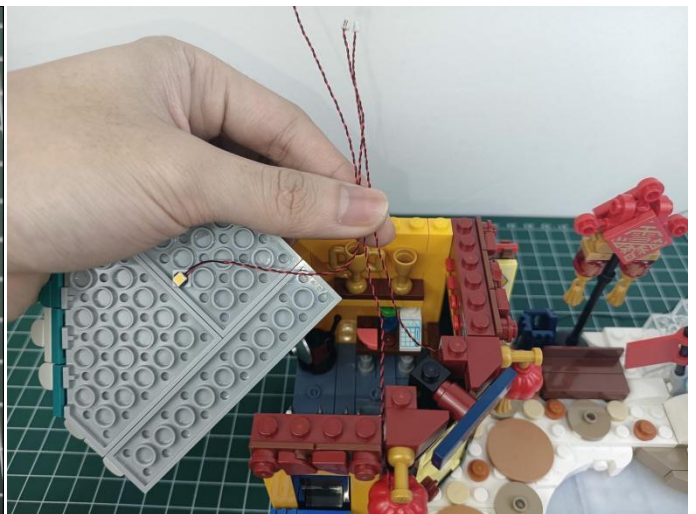
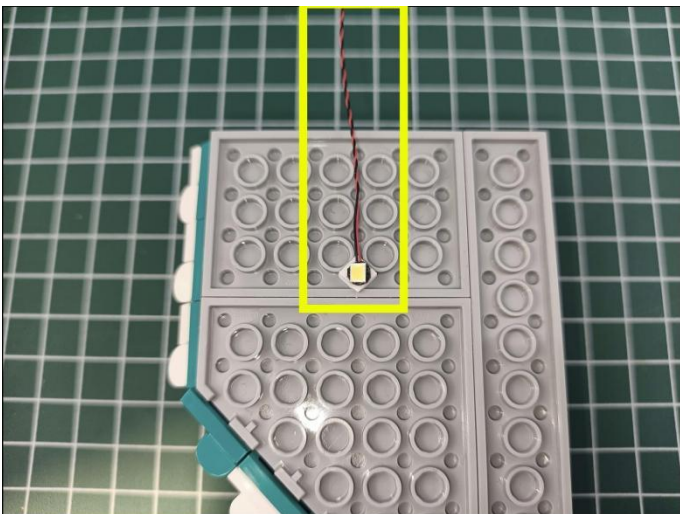
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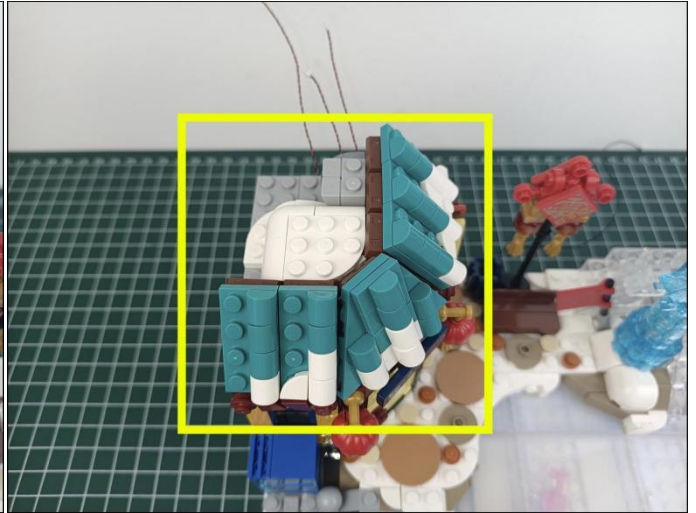
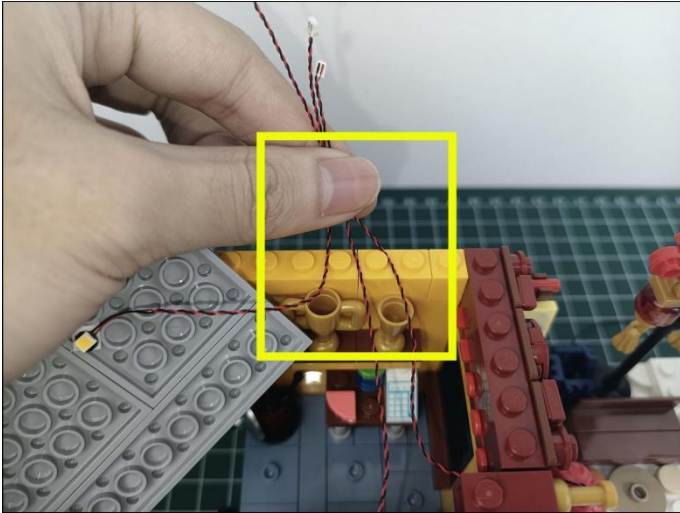
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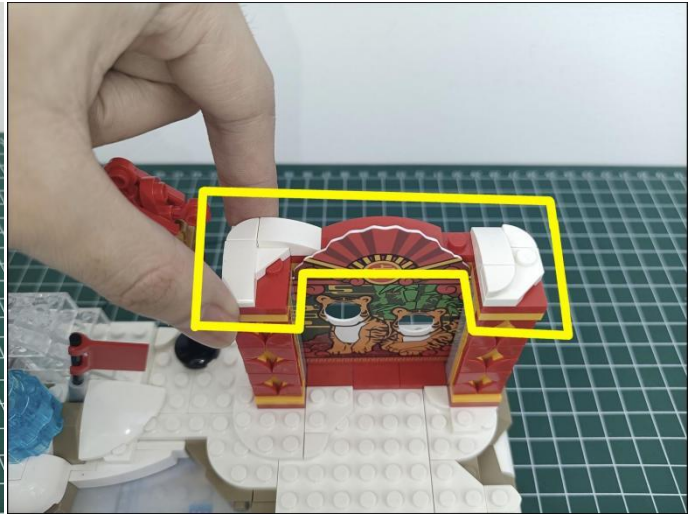
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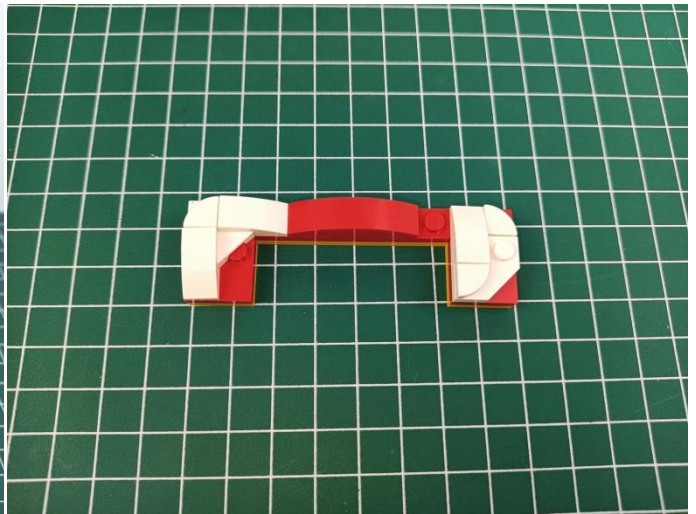
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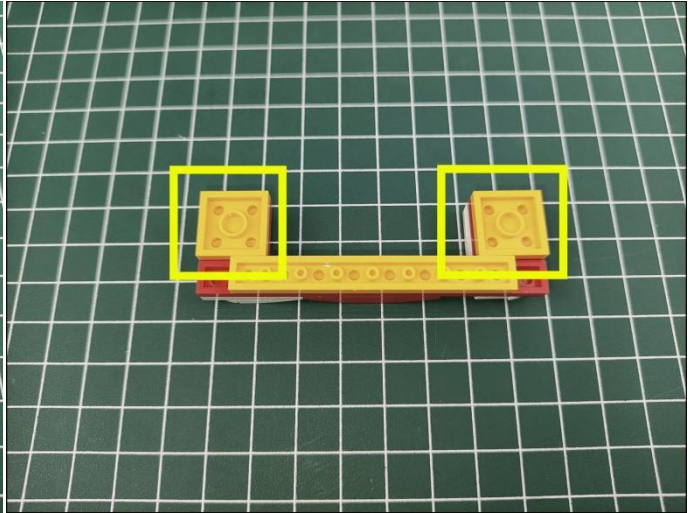
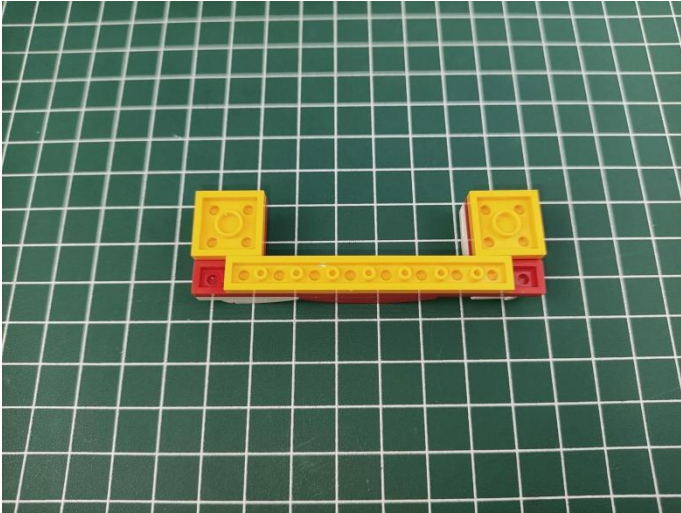
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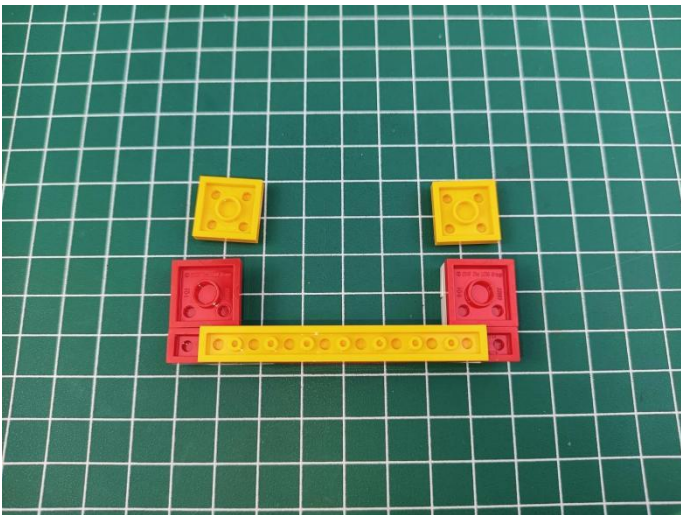
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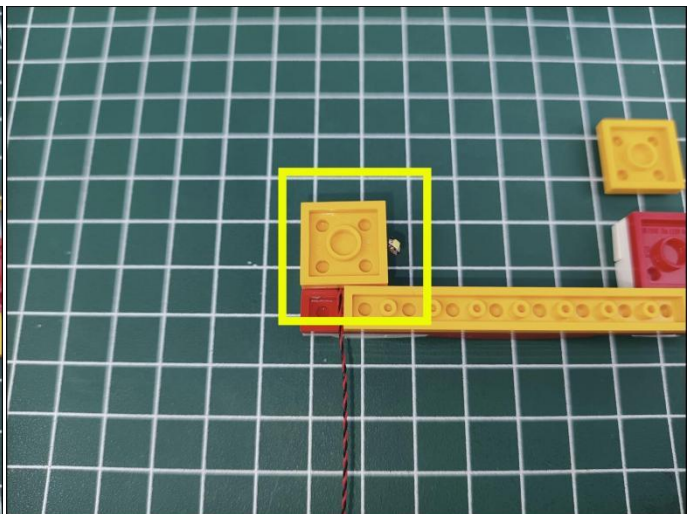
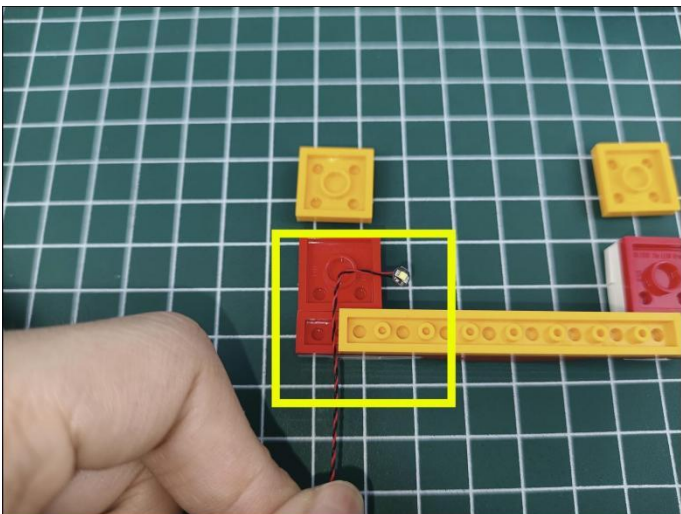
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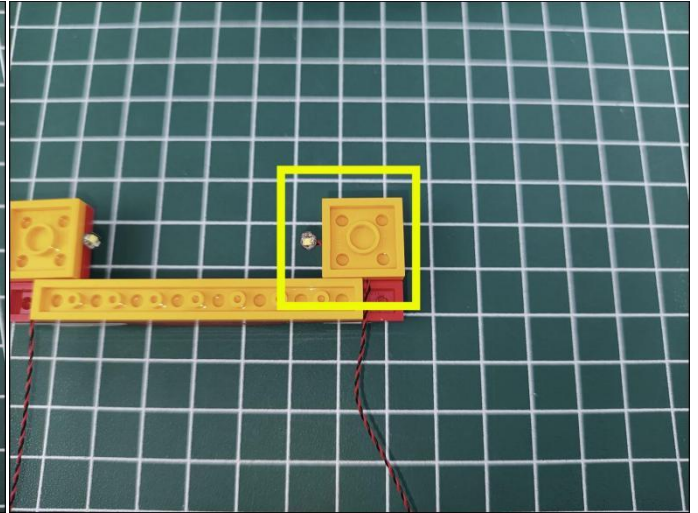
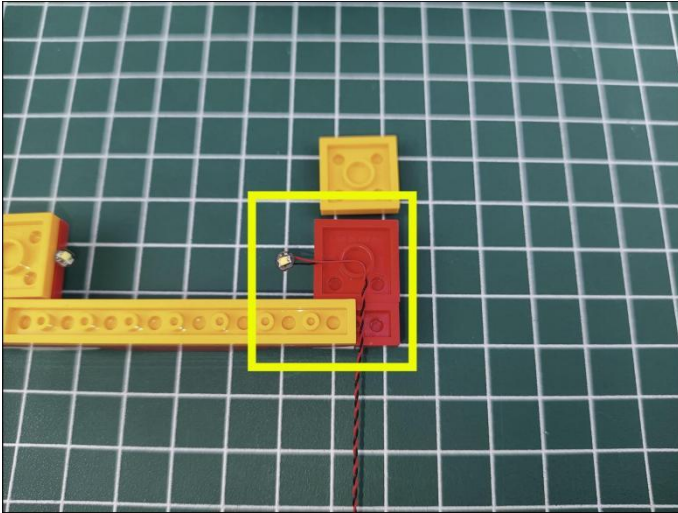
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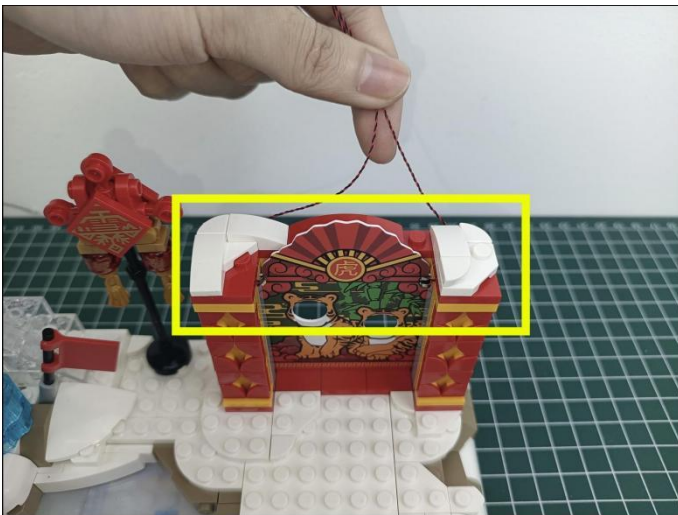
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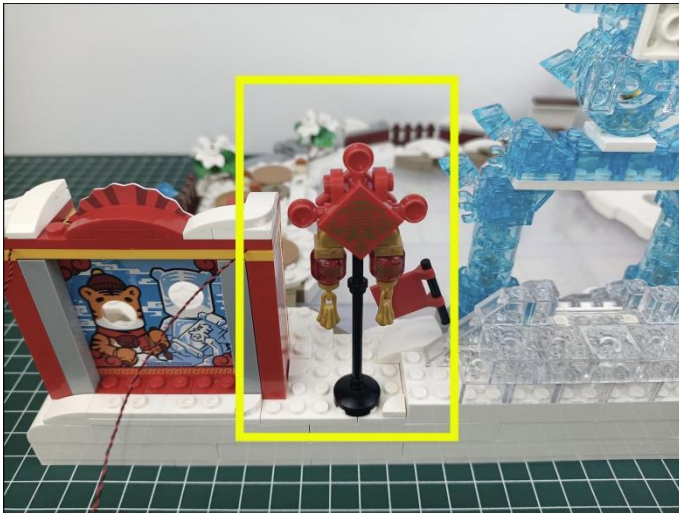
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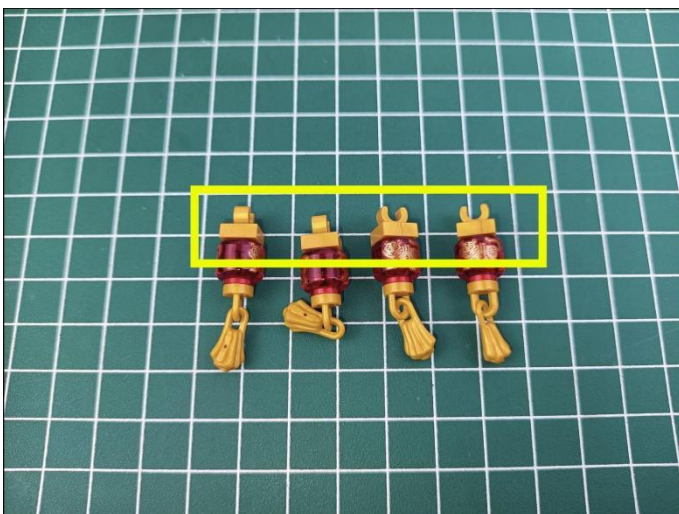
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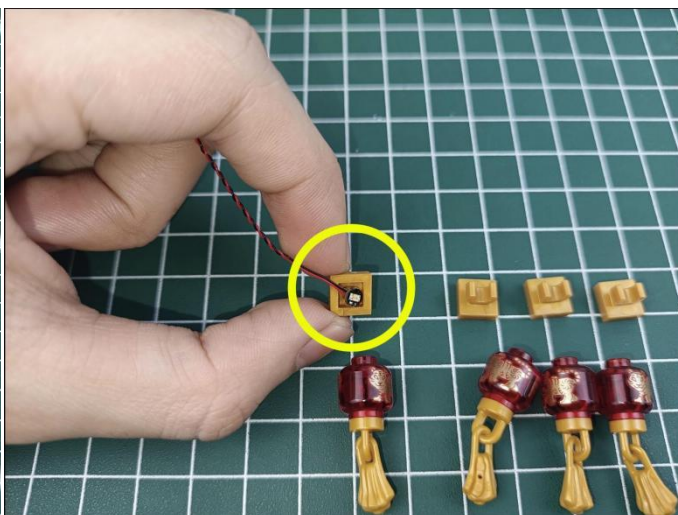
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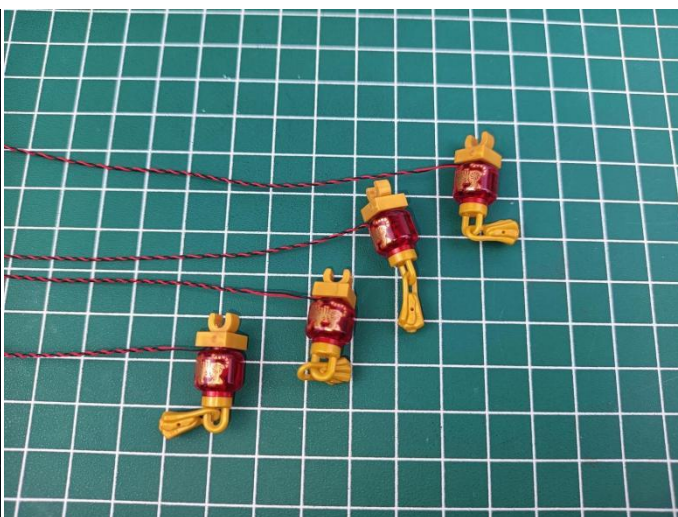
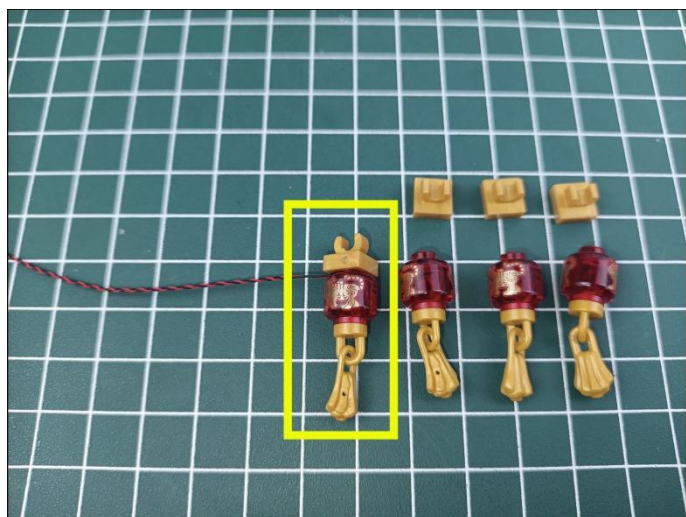
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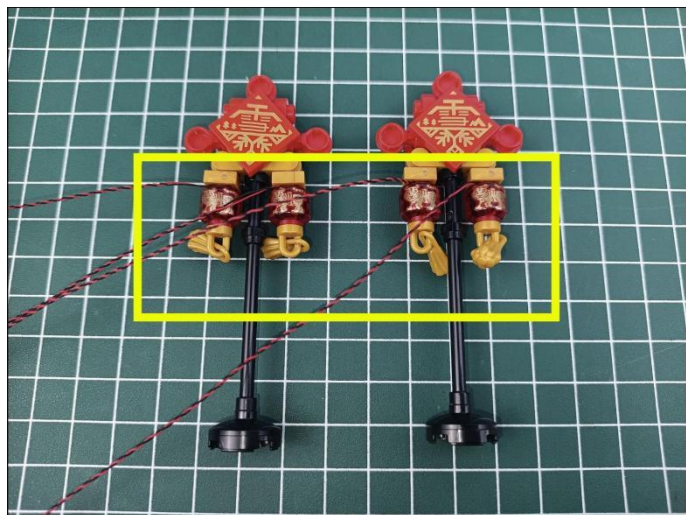
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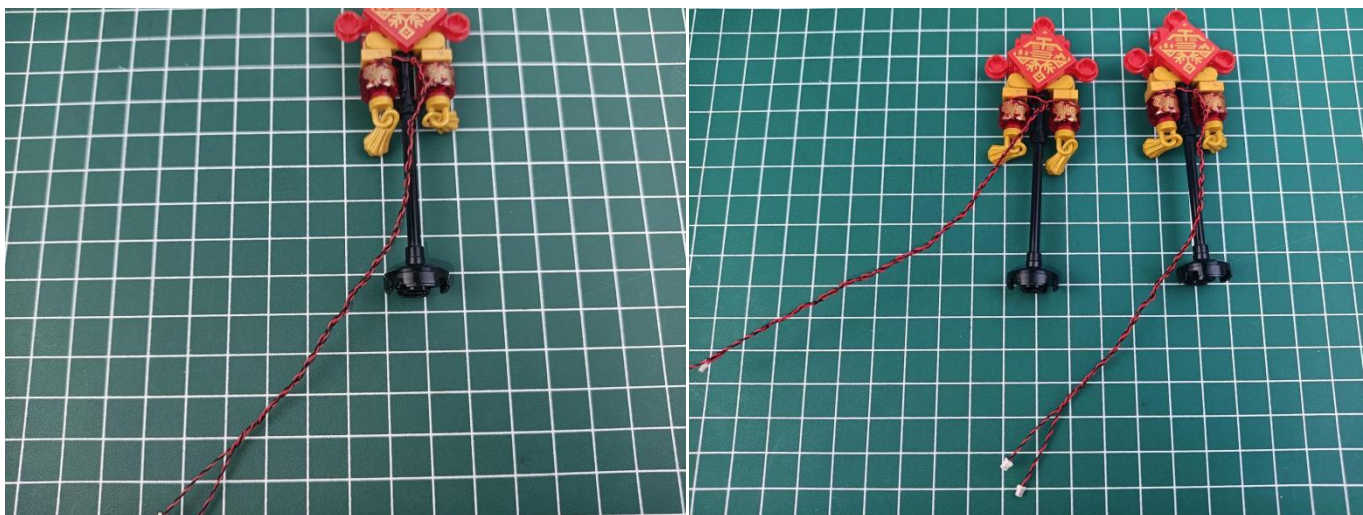
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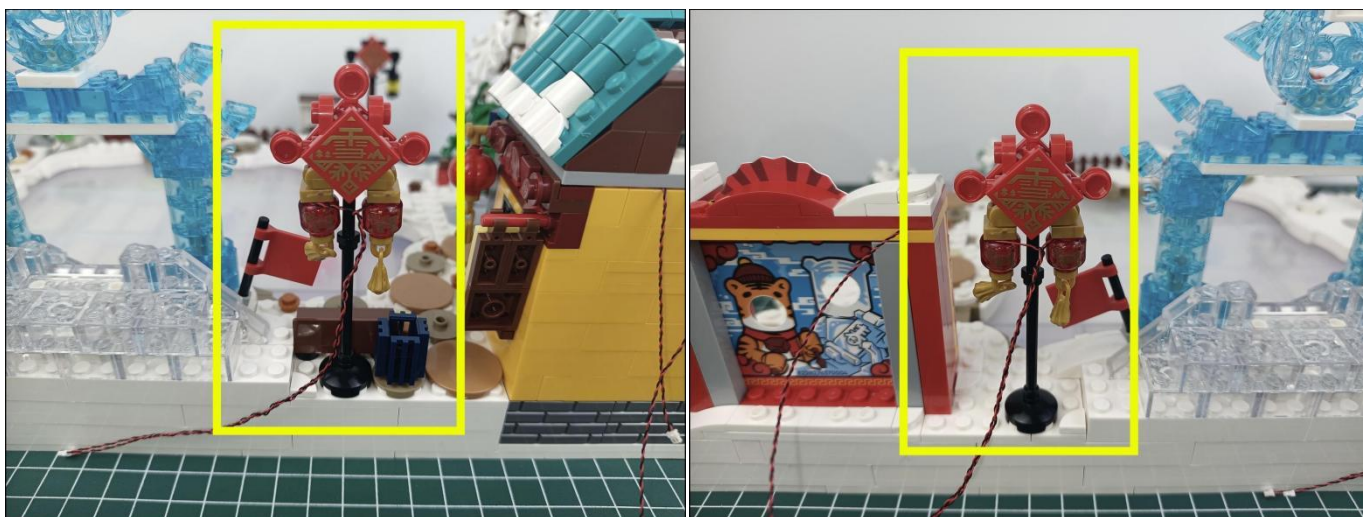
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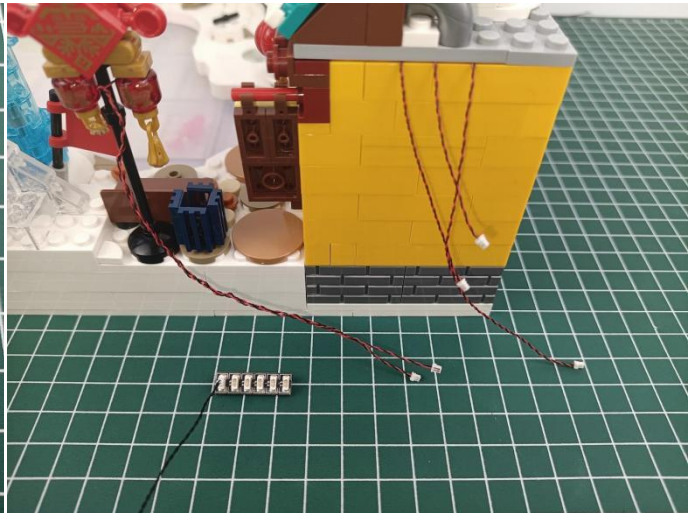
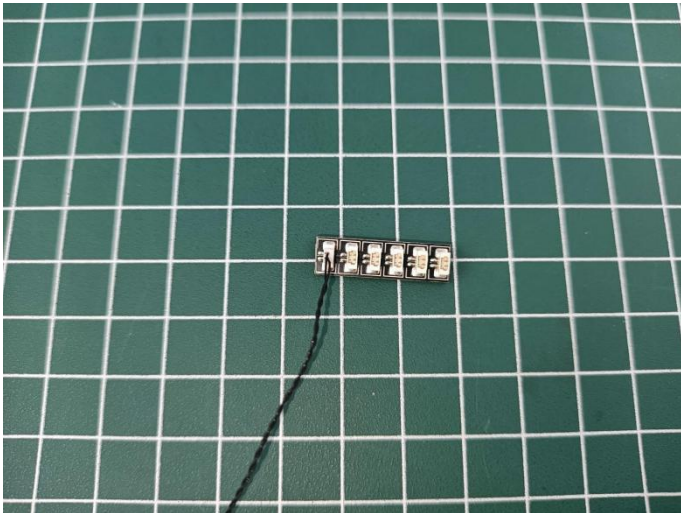
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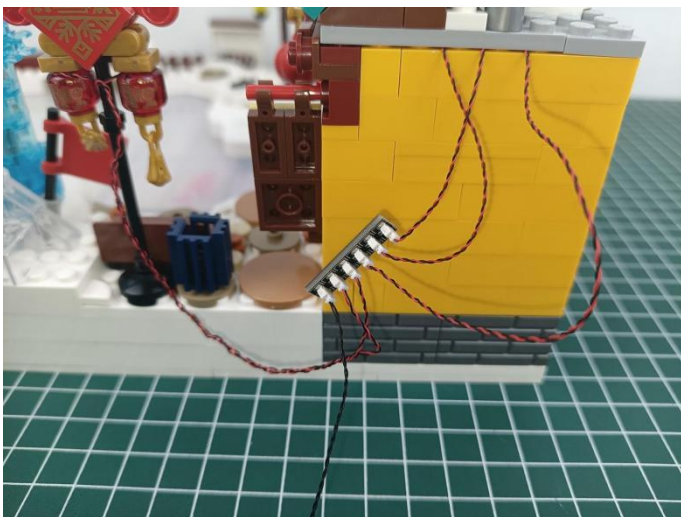
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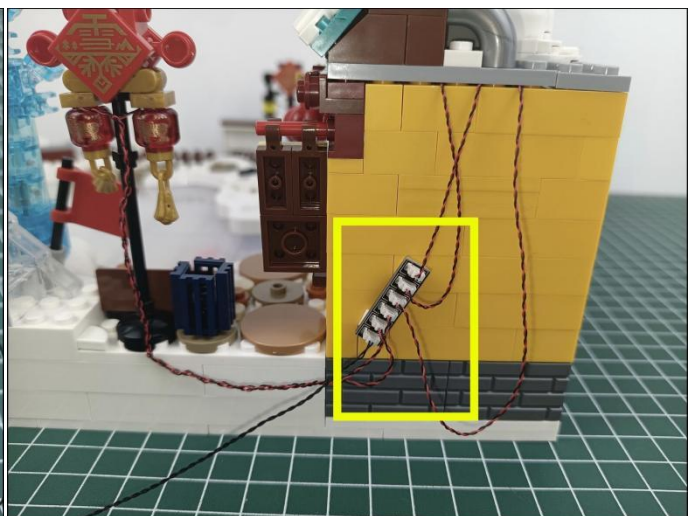
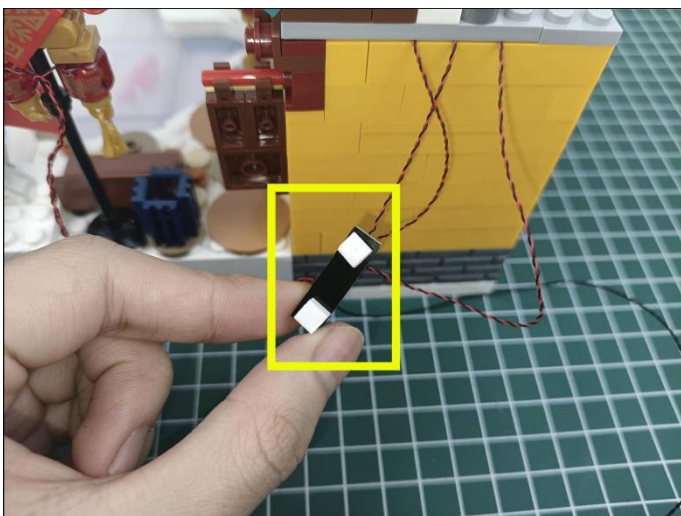
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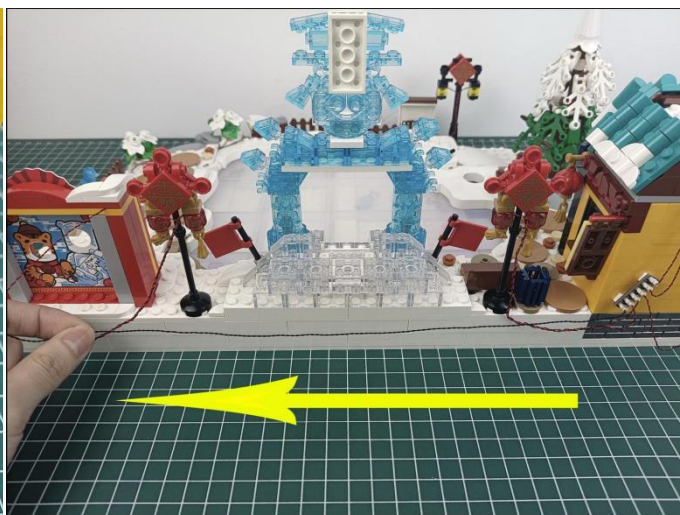
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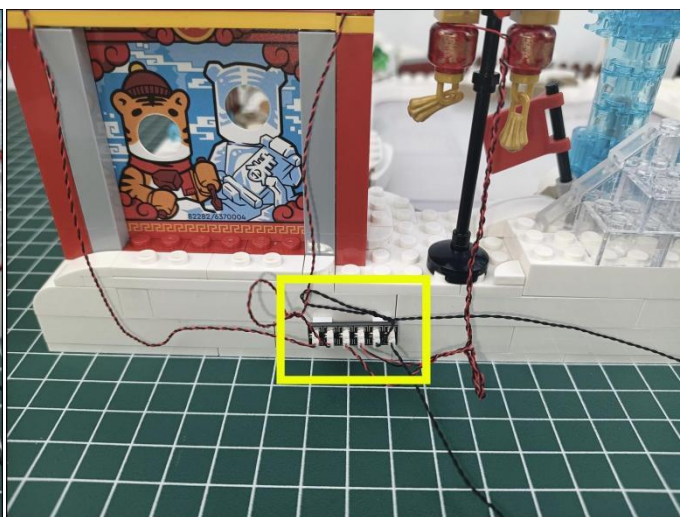
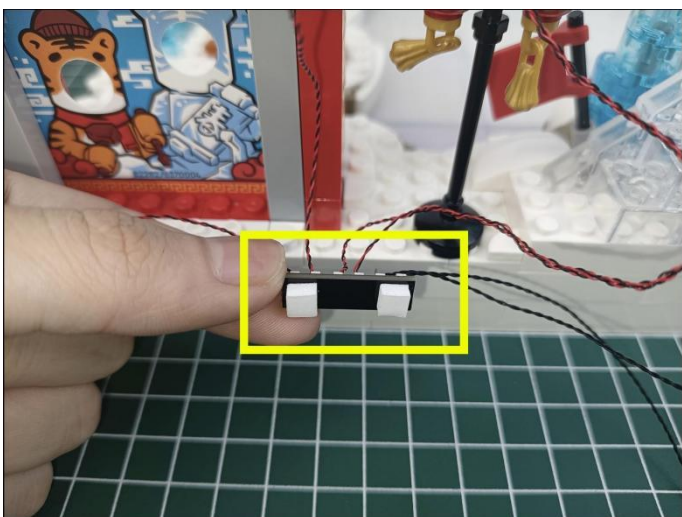
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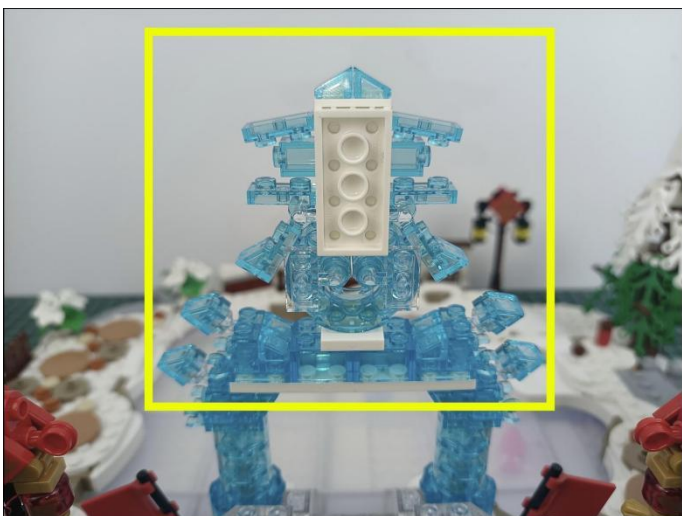
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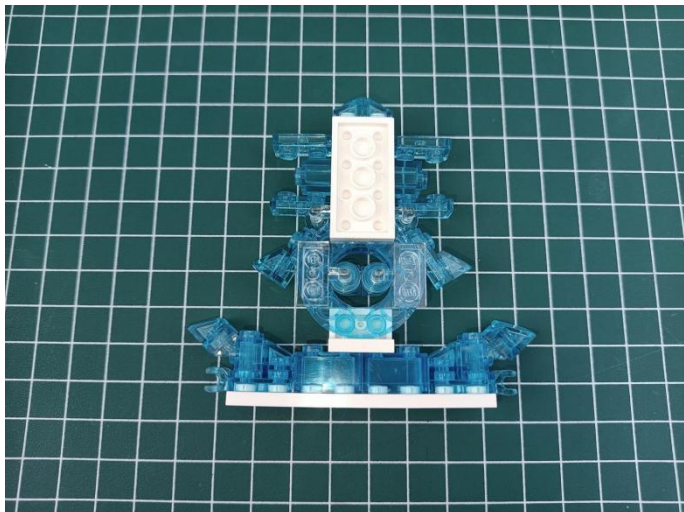
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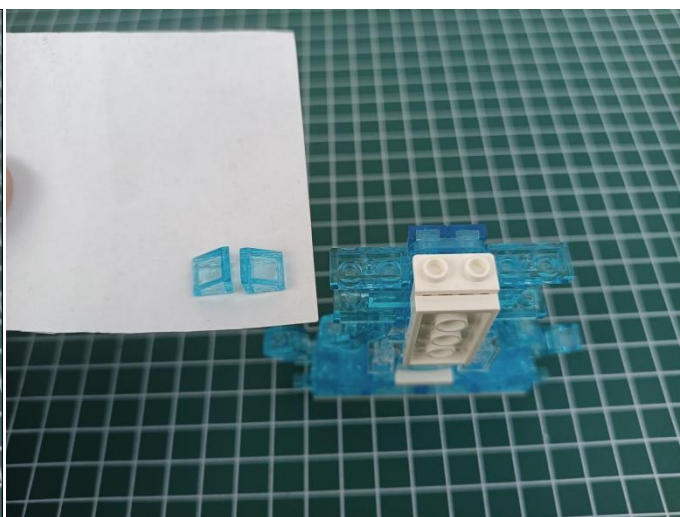
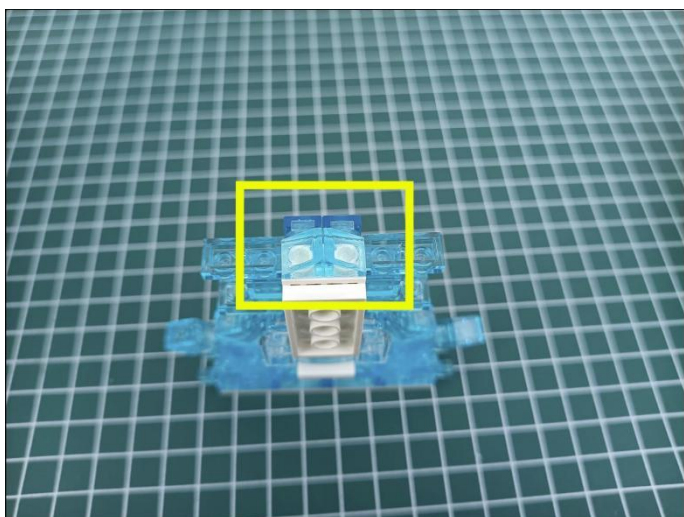
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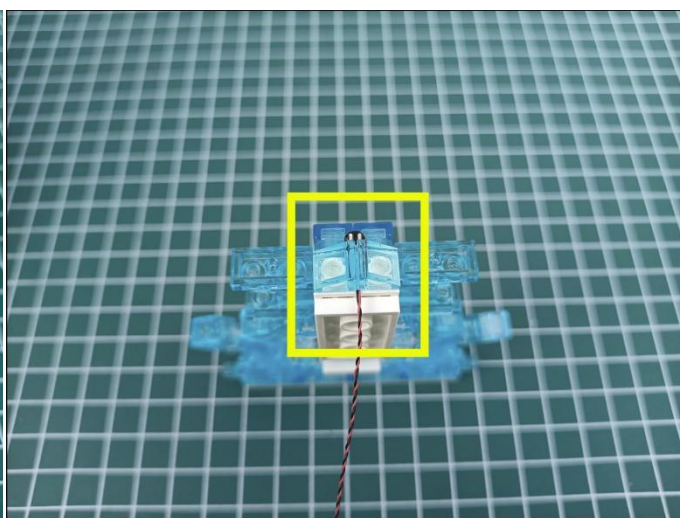
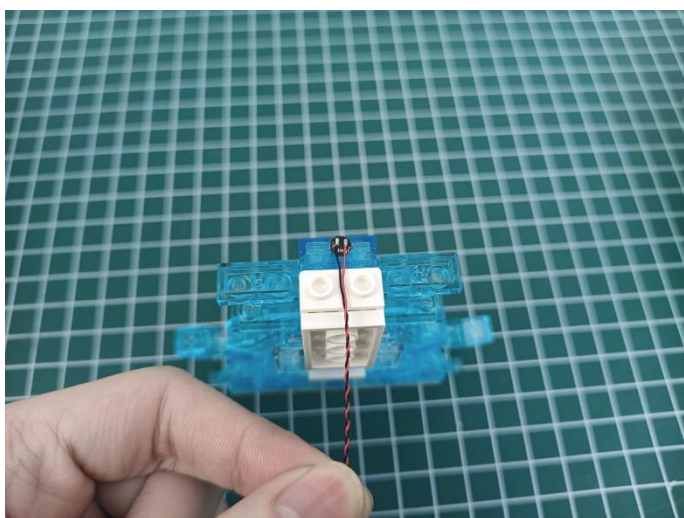
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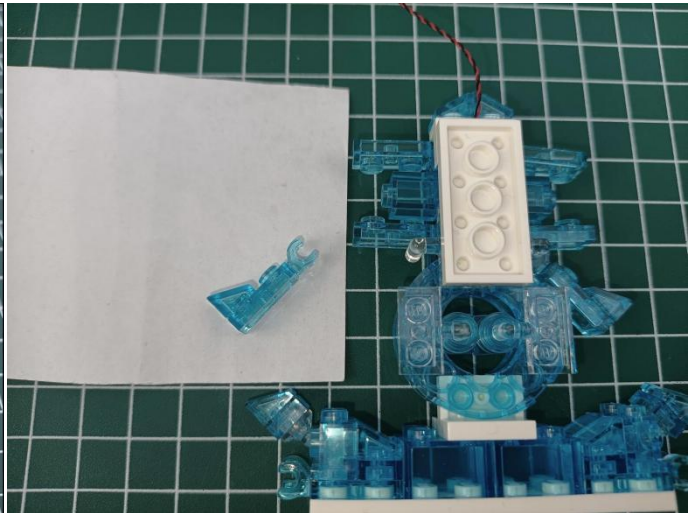
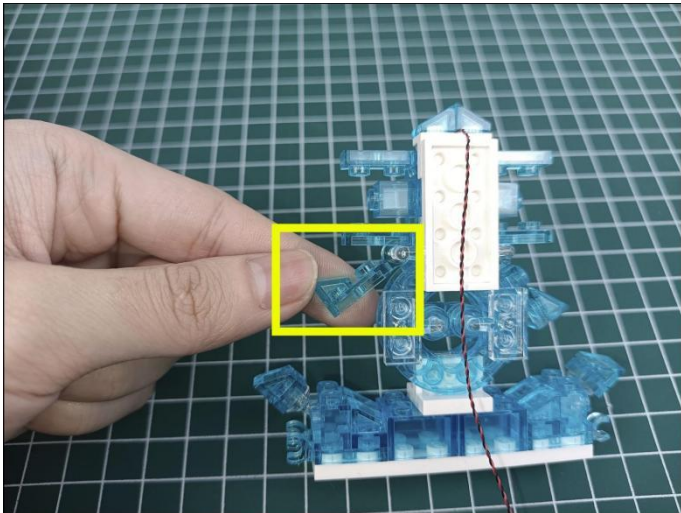
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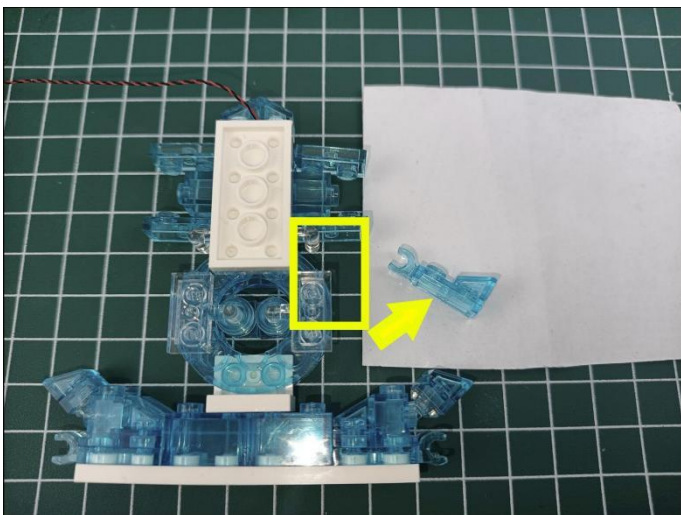
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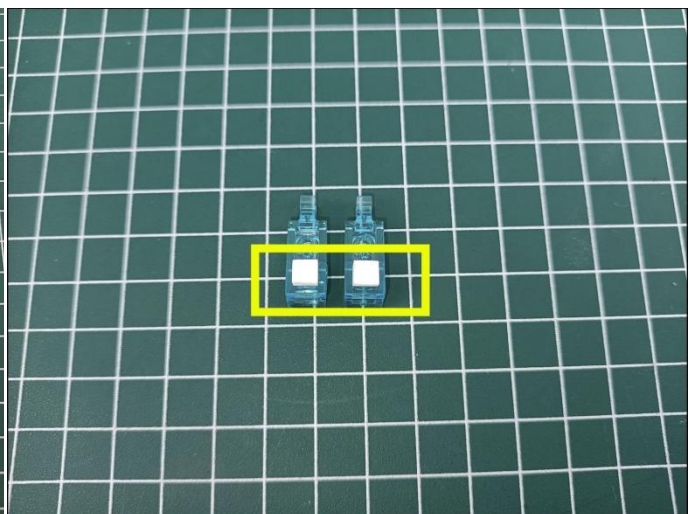
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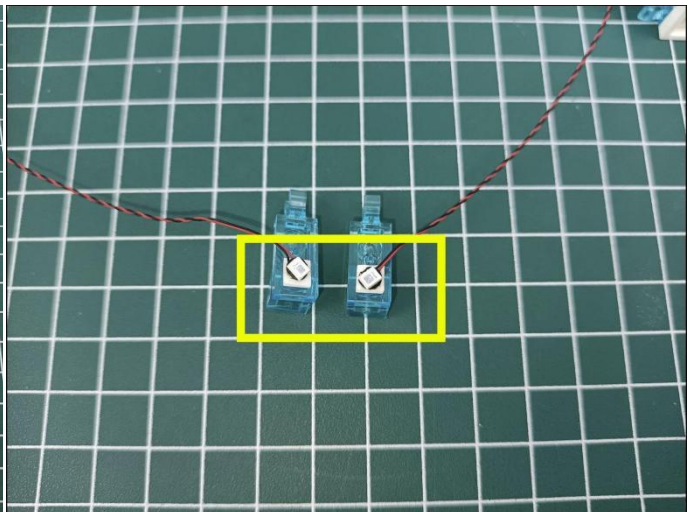
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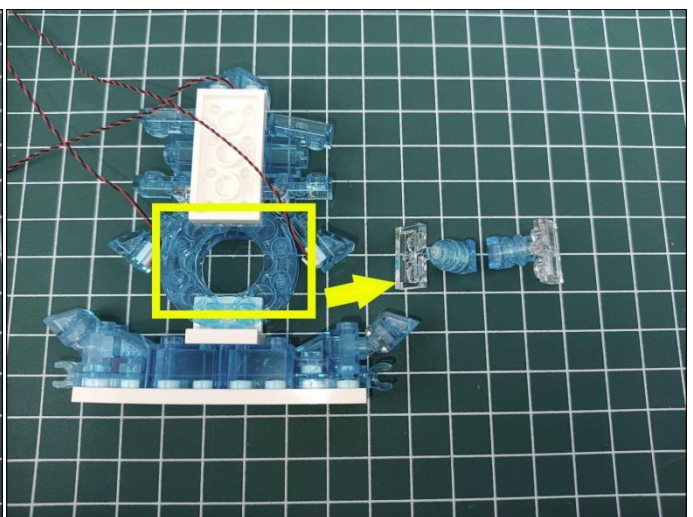
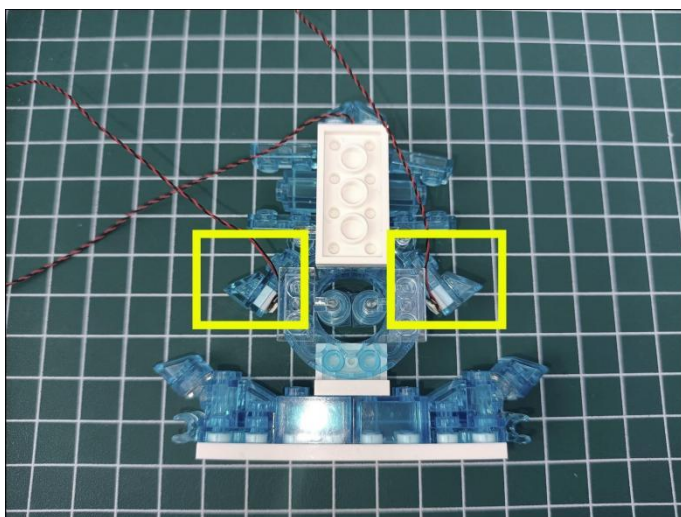
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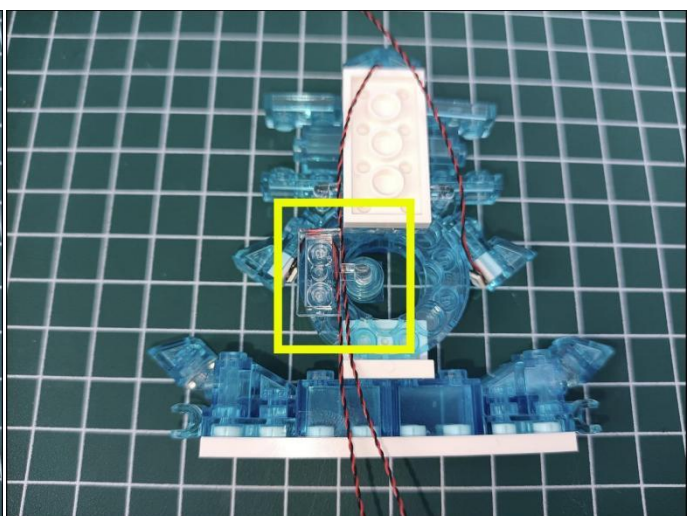
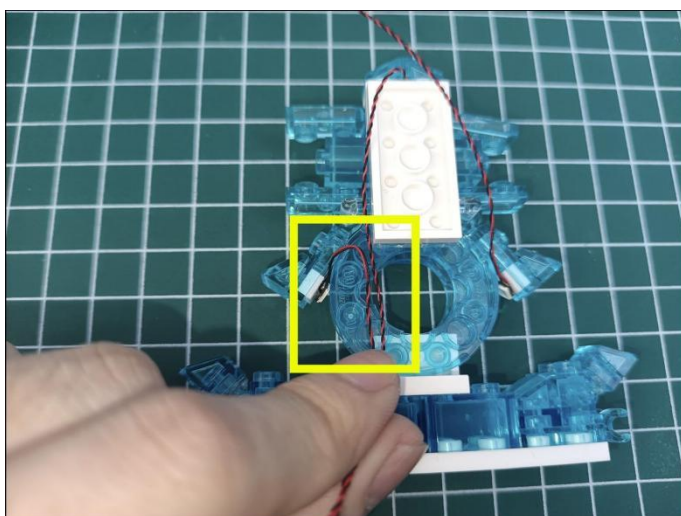
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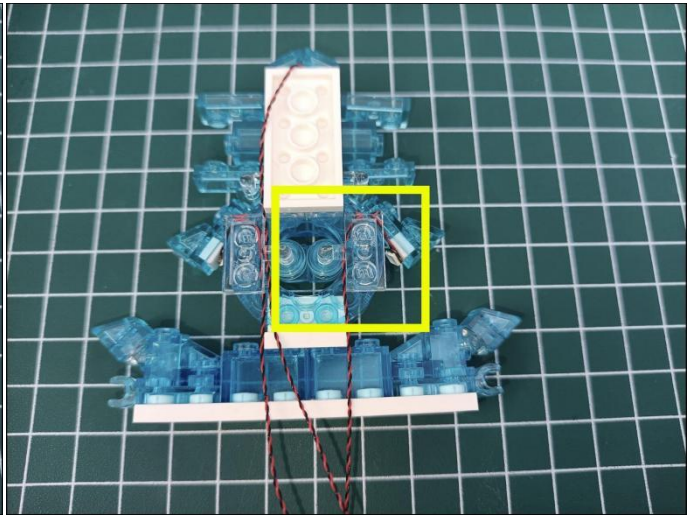
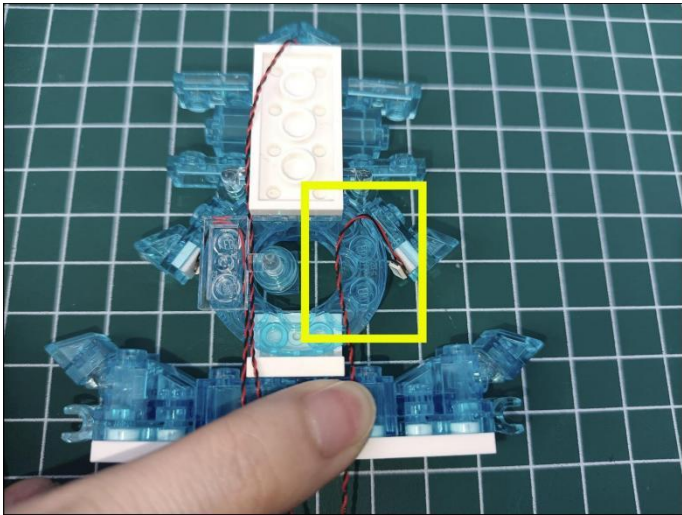
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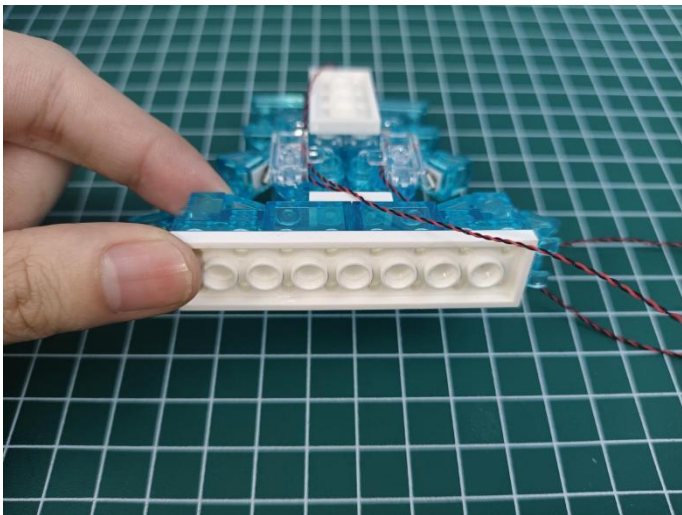
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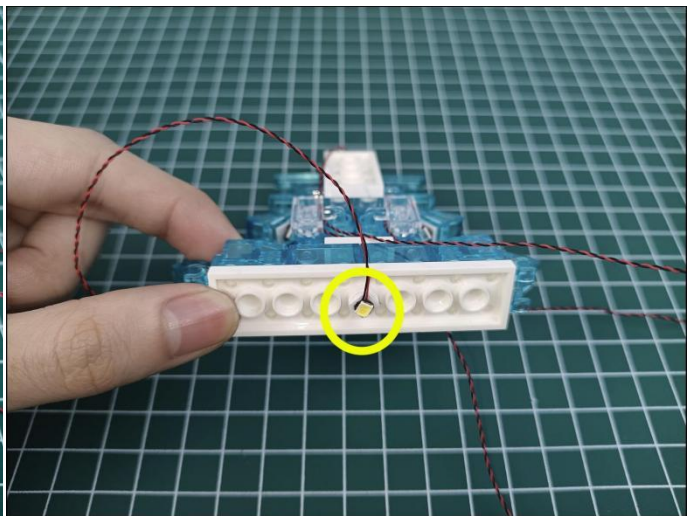
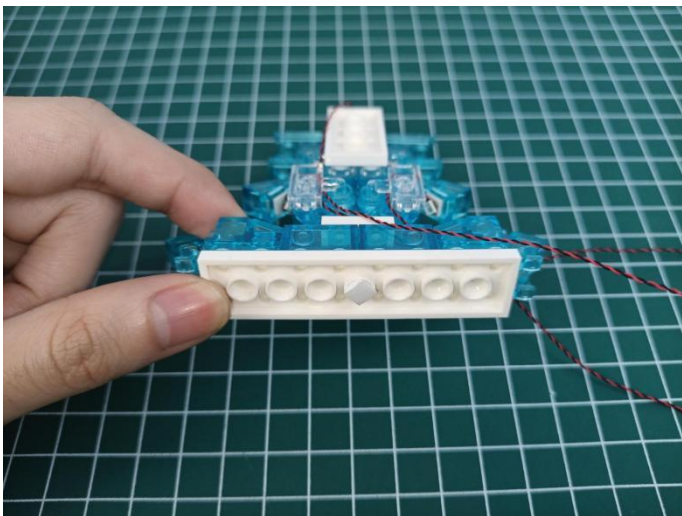
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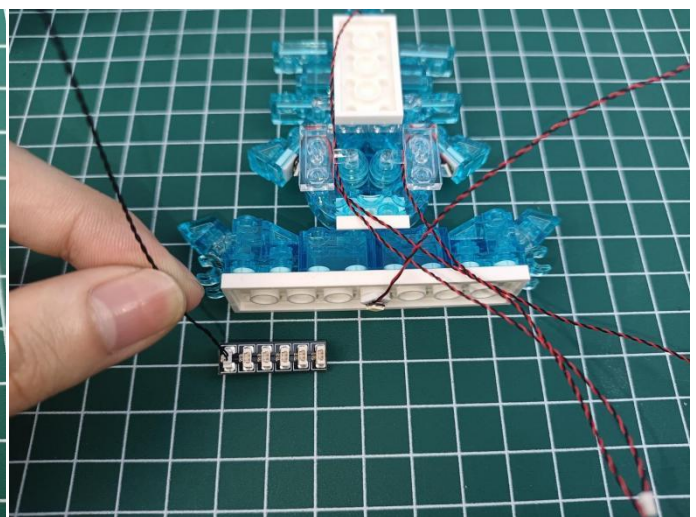
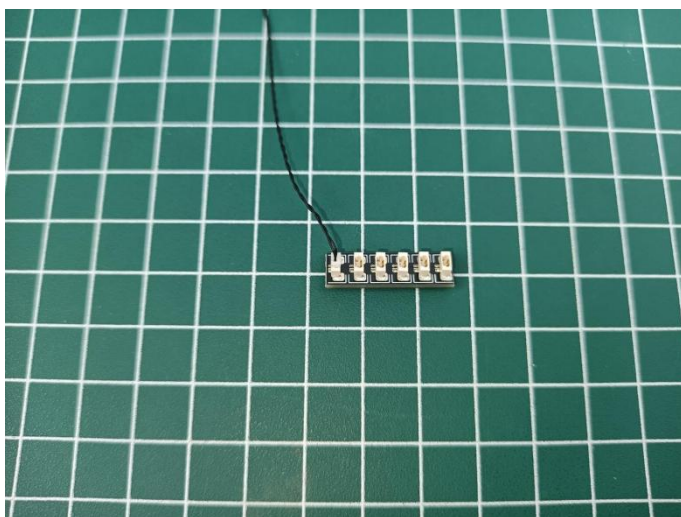
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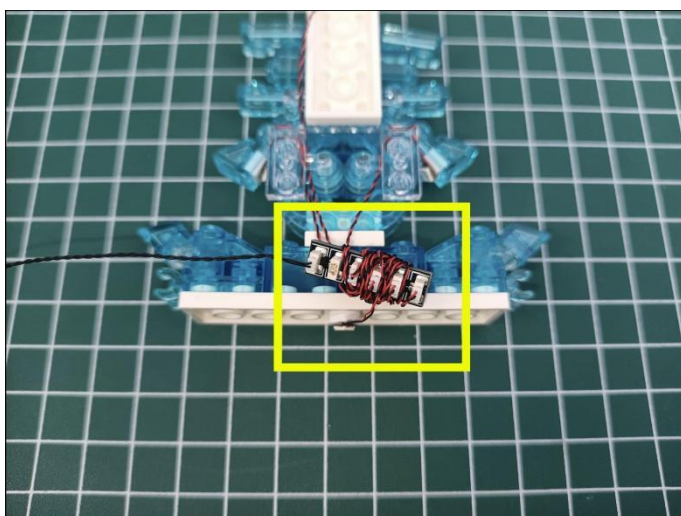
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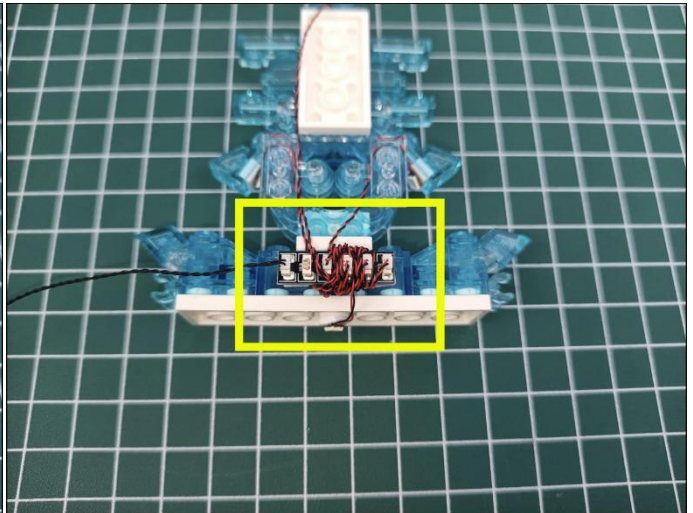
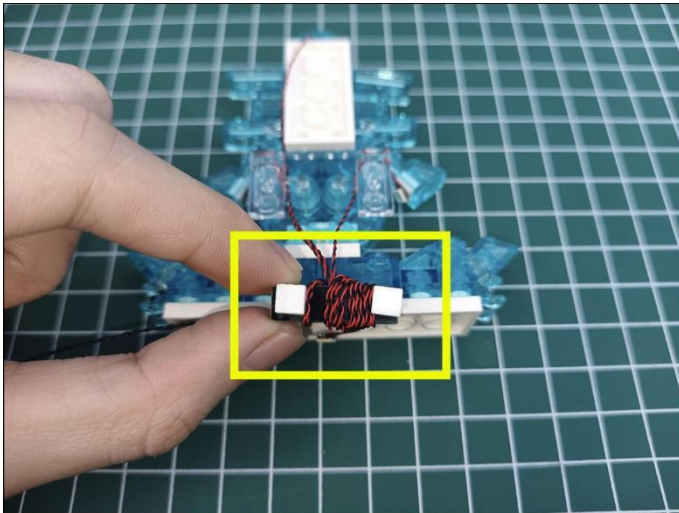
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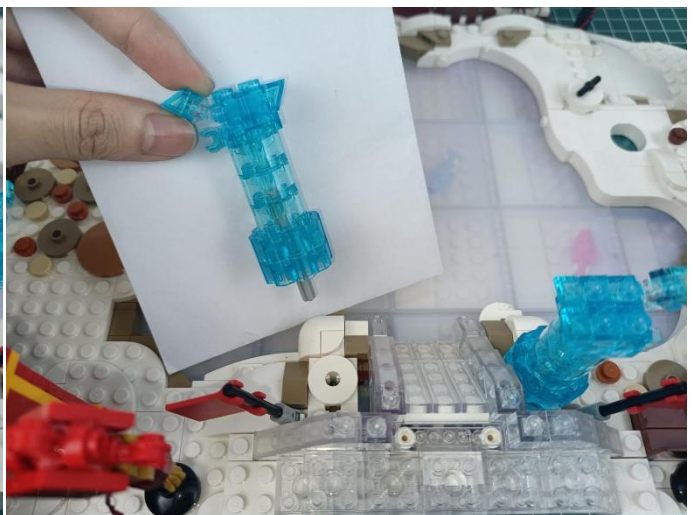
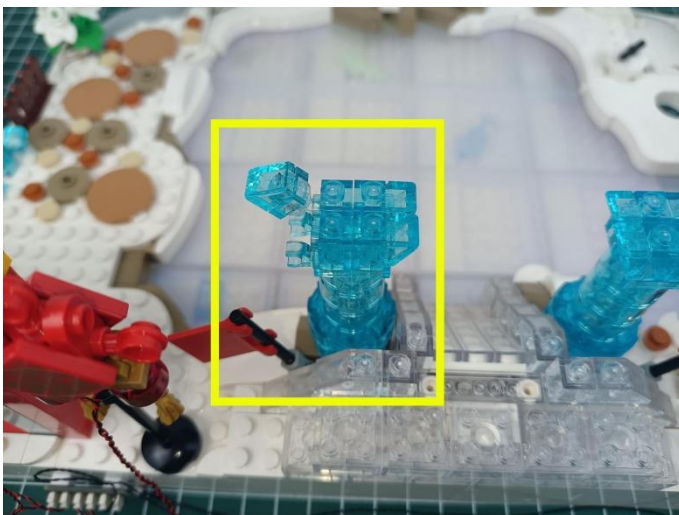
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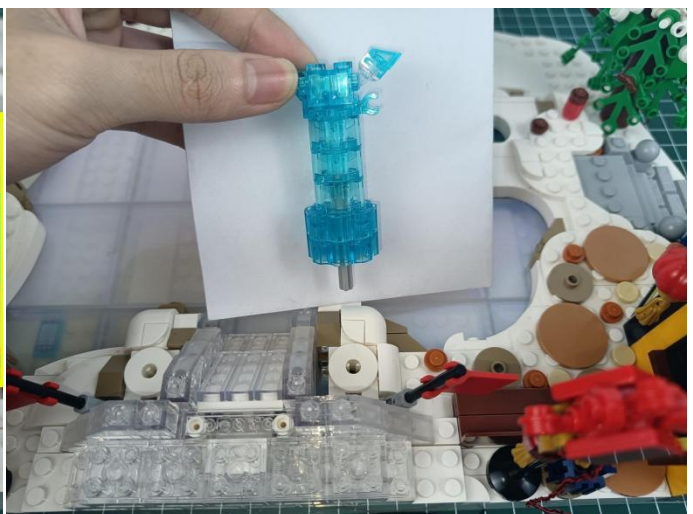
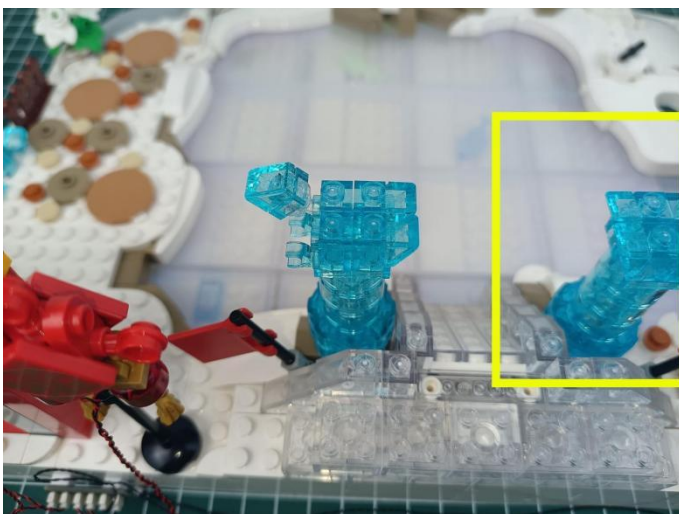
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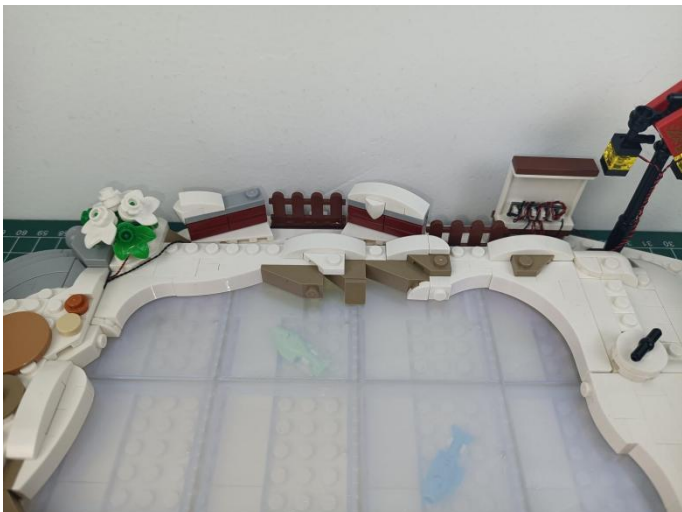
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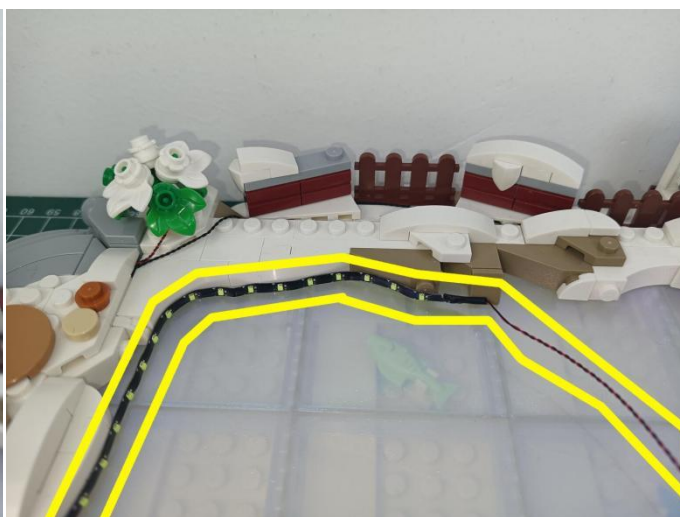
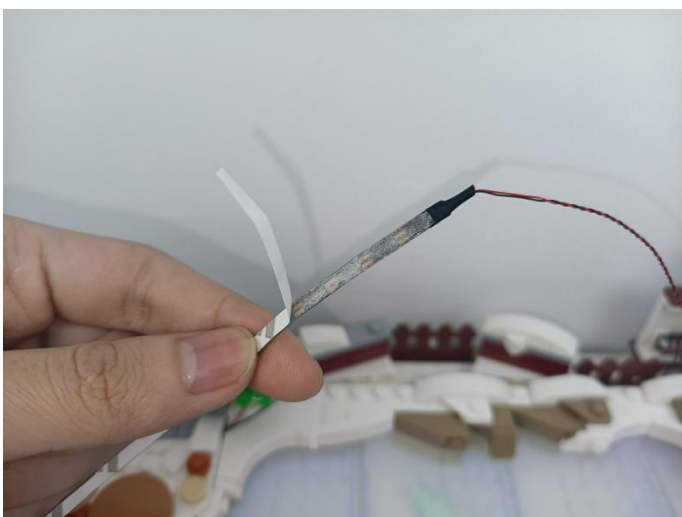
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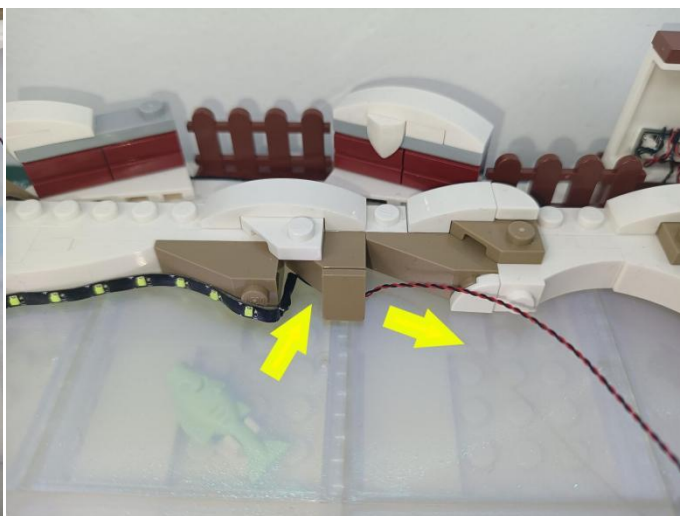
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122



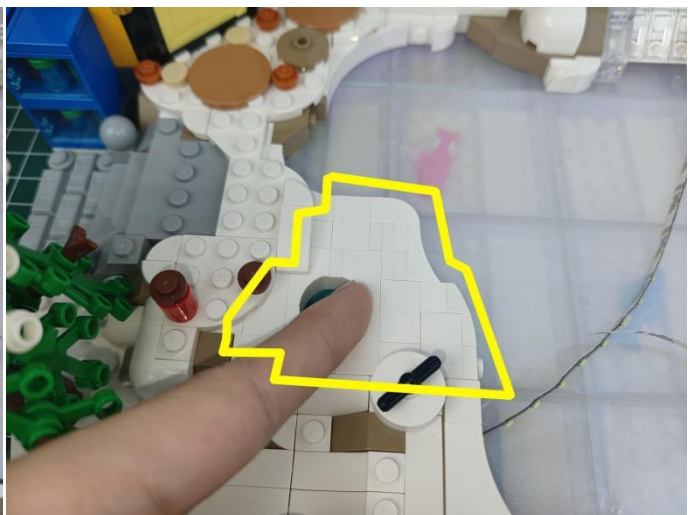
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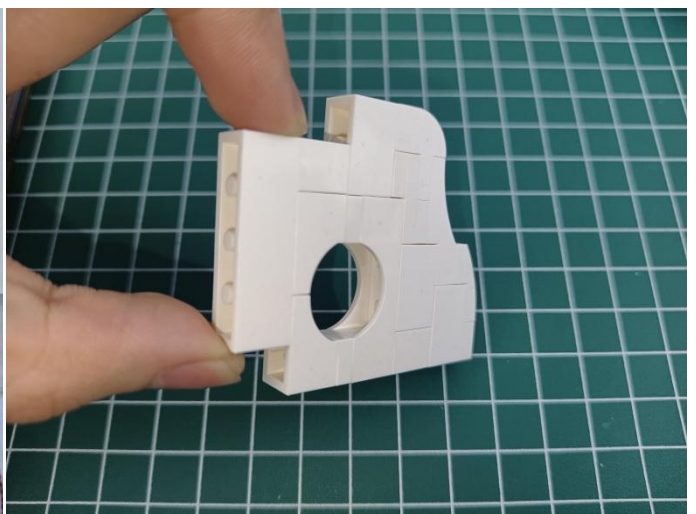
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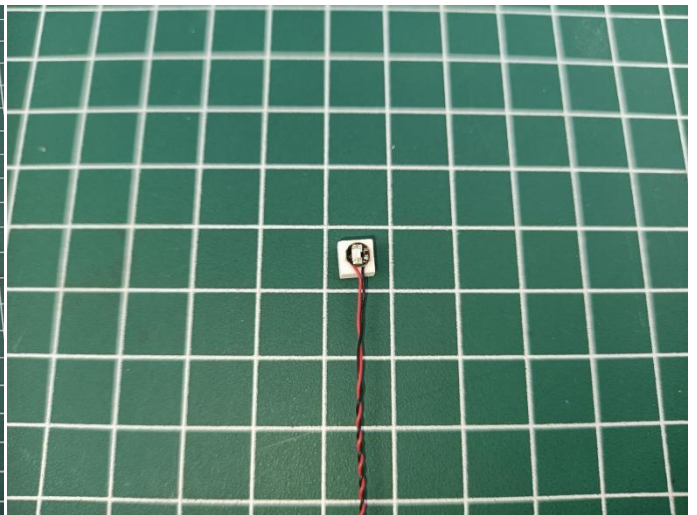
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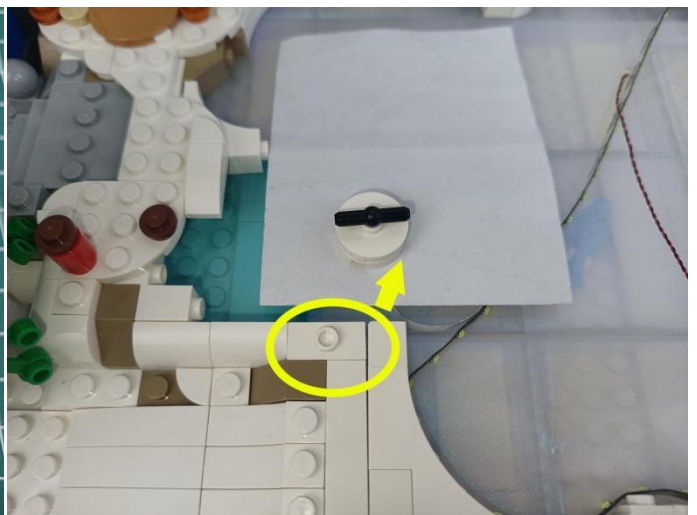
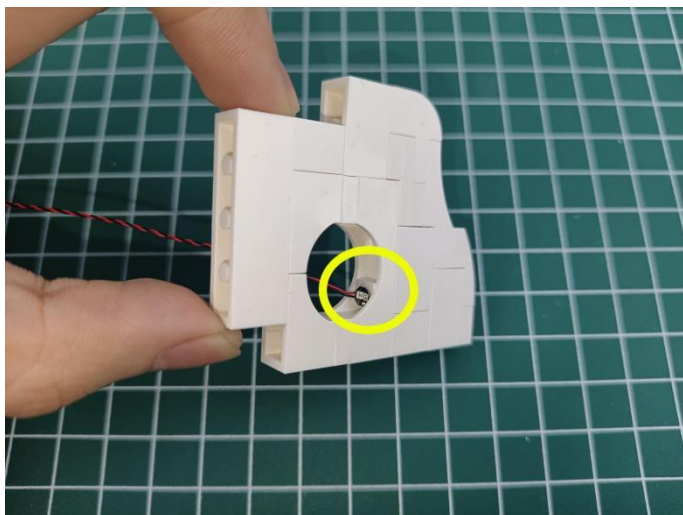
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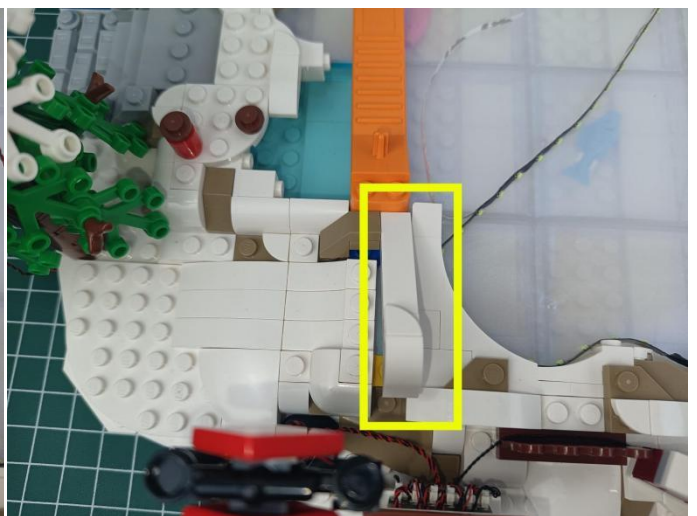
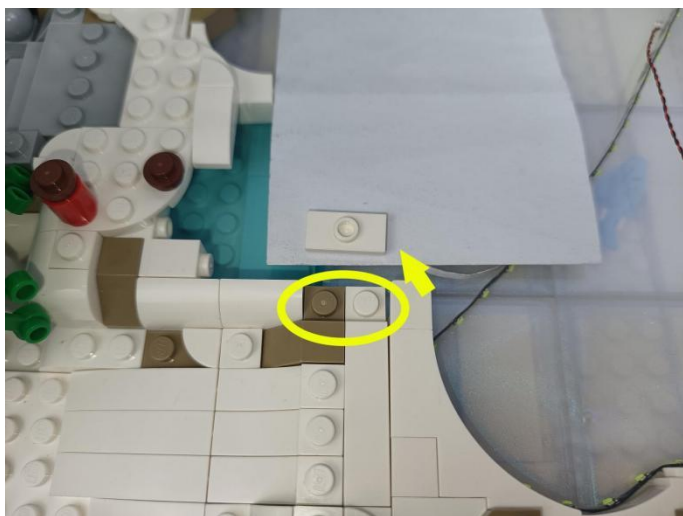
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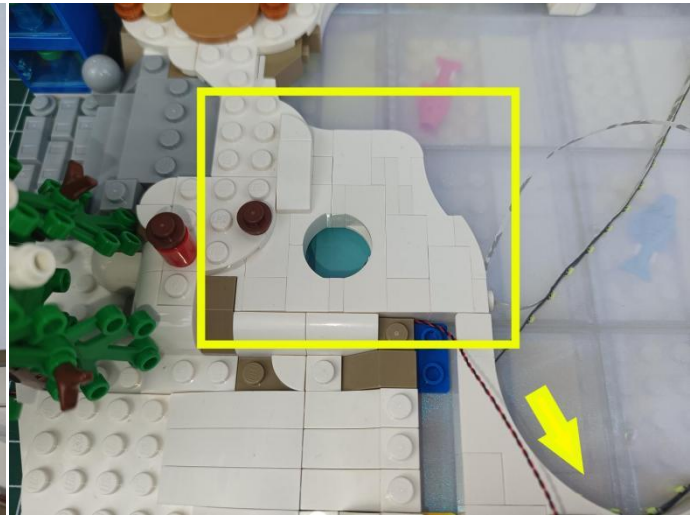
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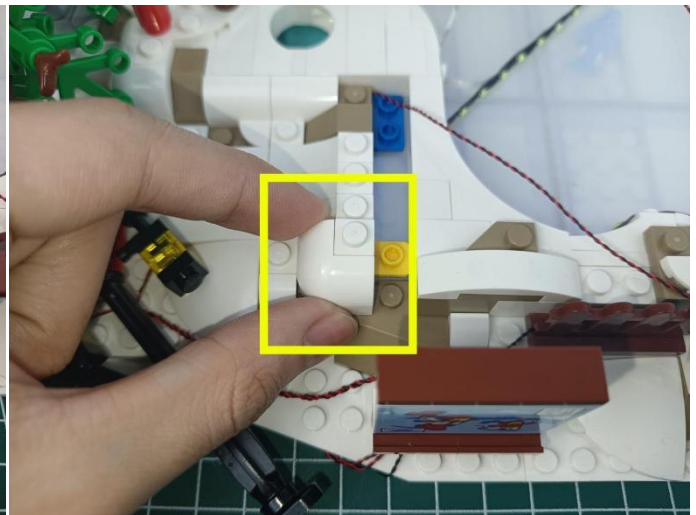
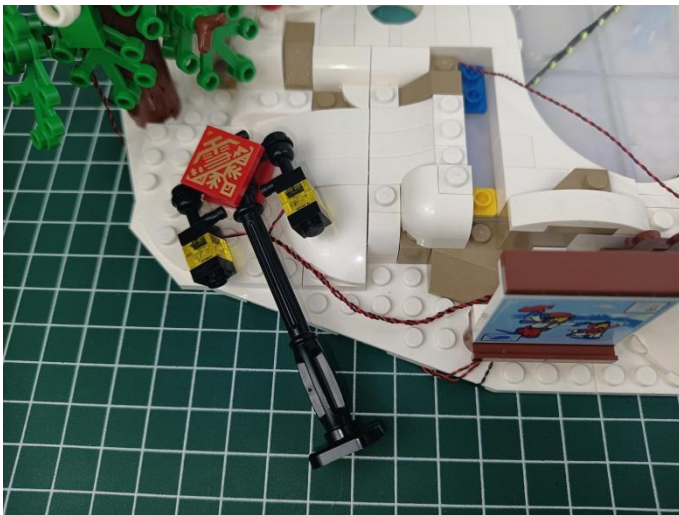
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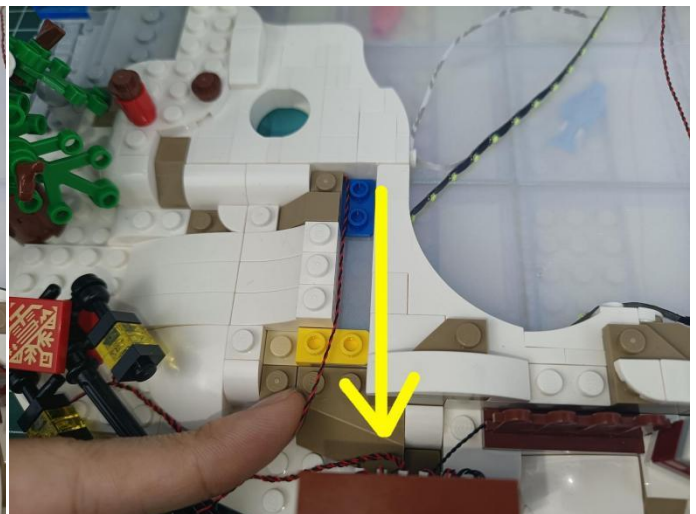
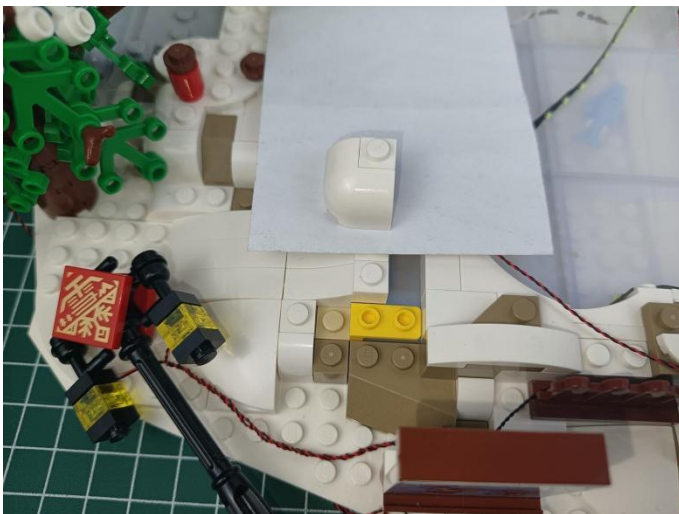
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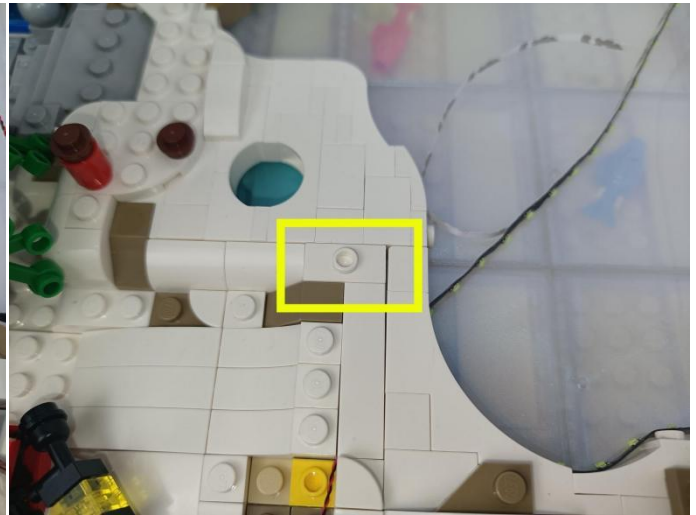
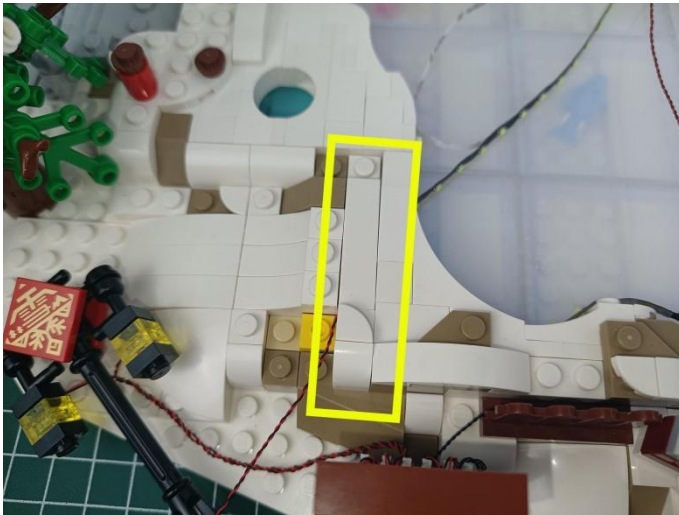
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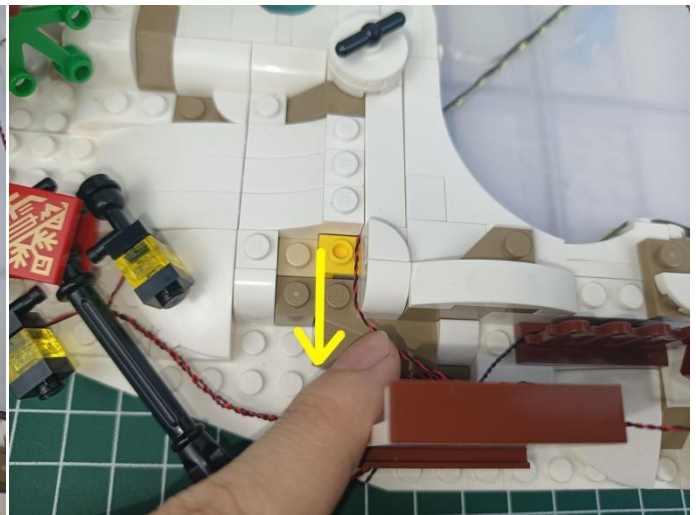
132



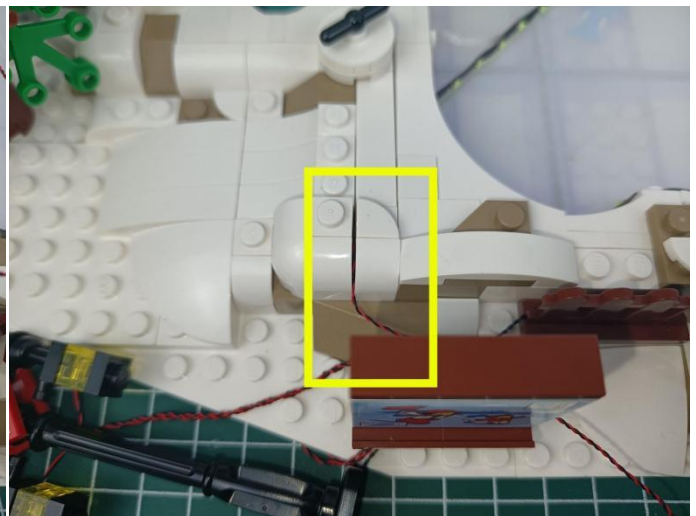
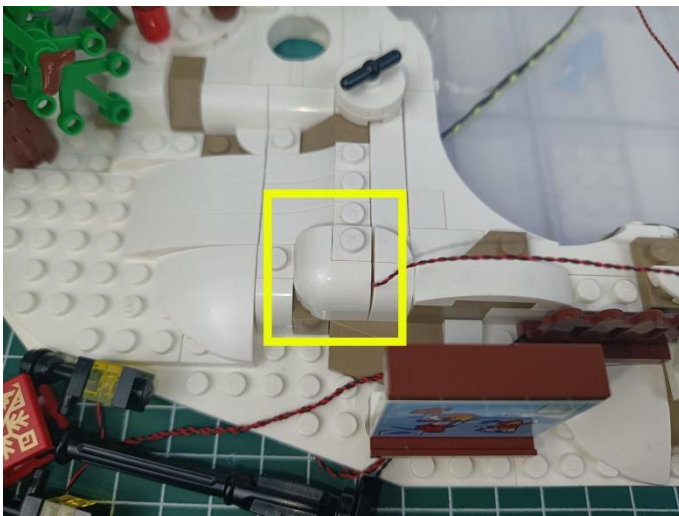
133



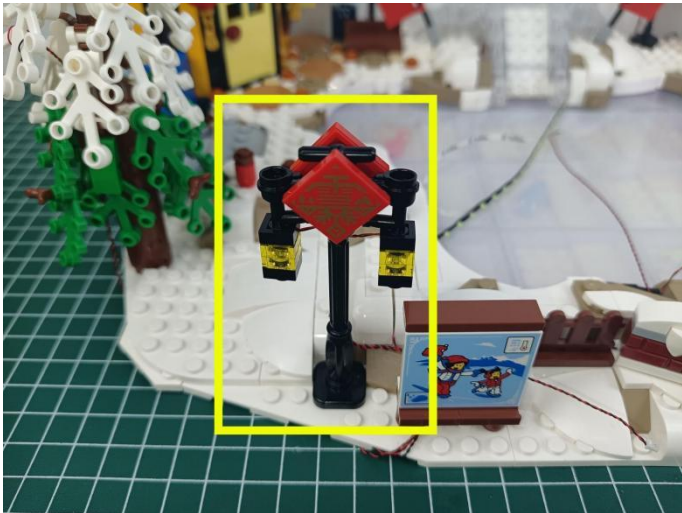
134



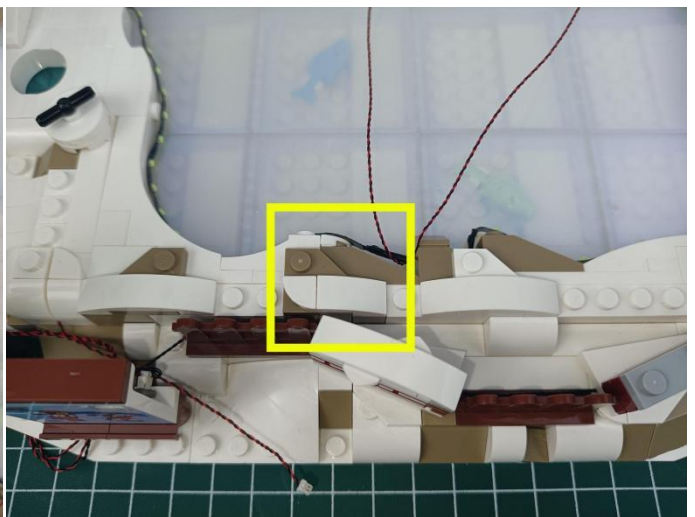
135



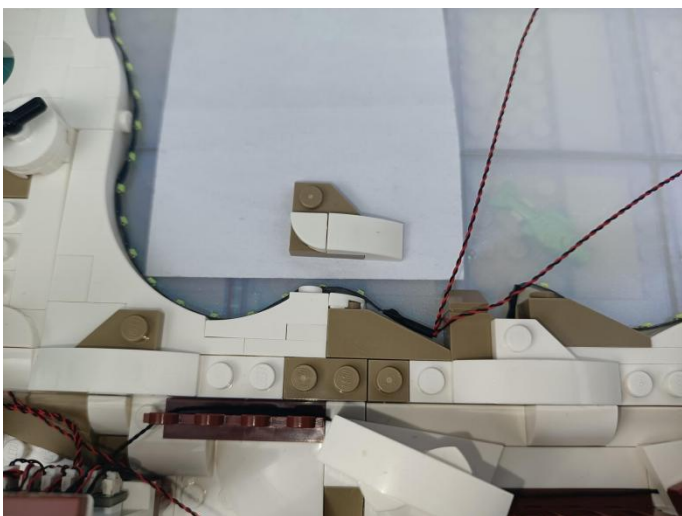
136



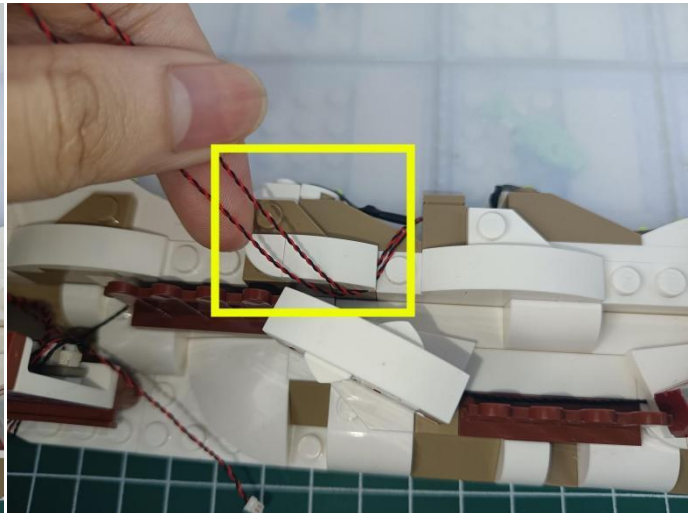
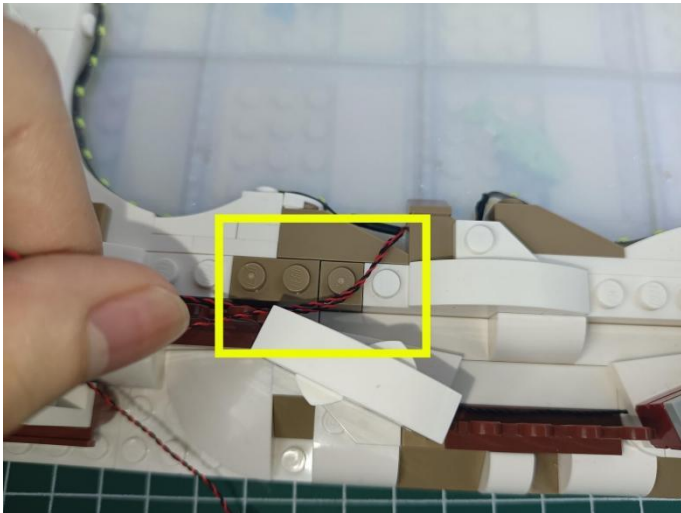
137



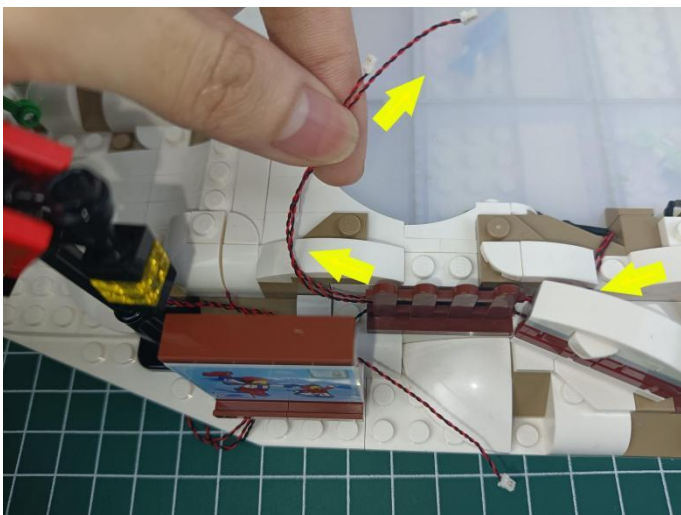
138



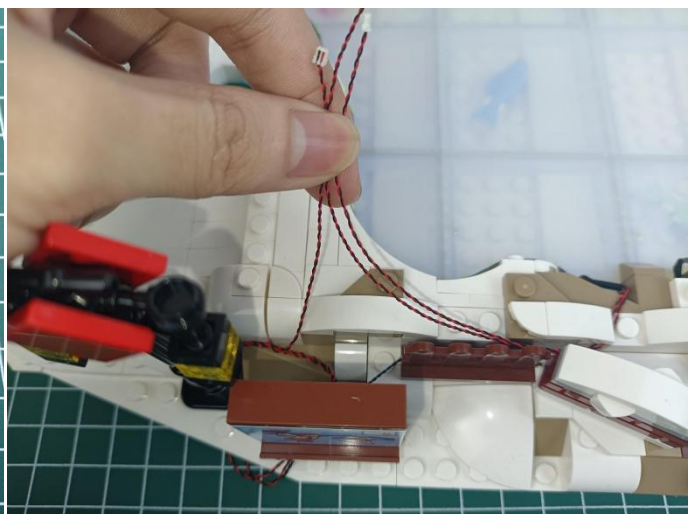
139



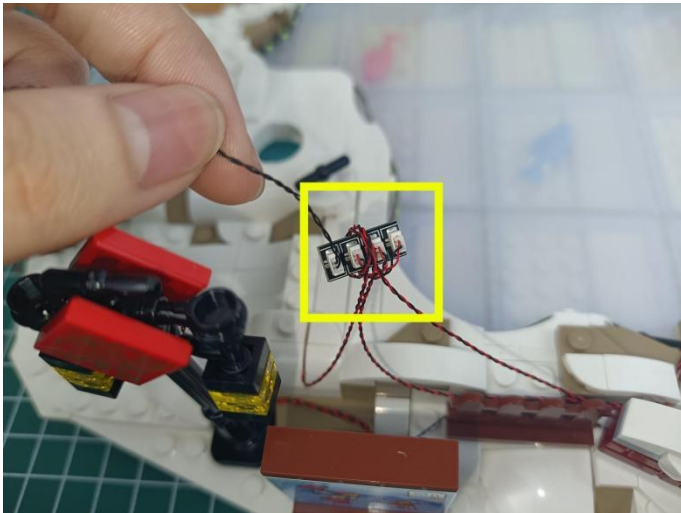
140



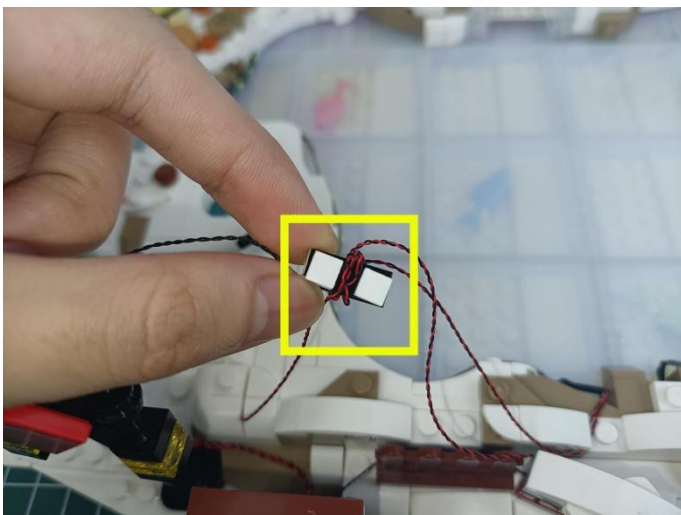
141



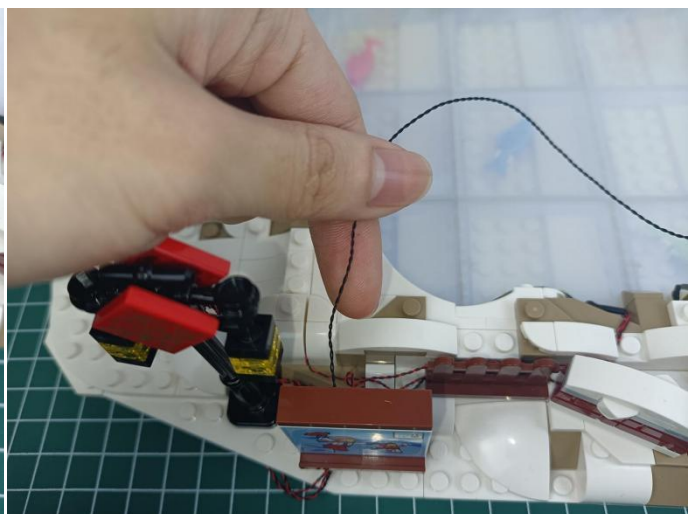
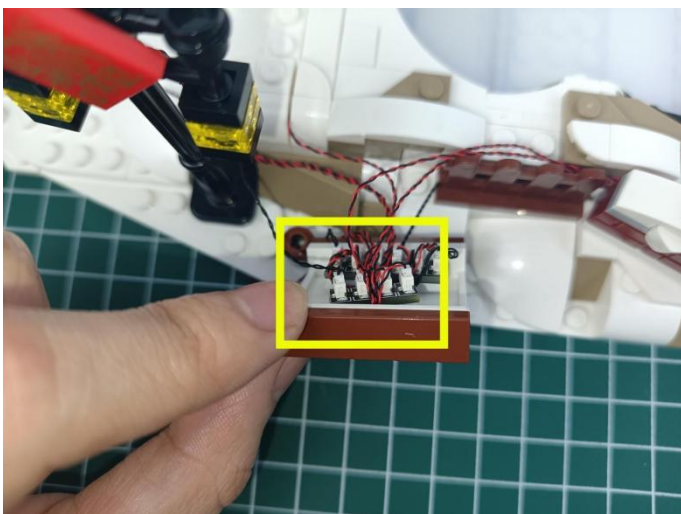
142



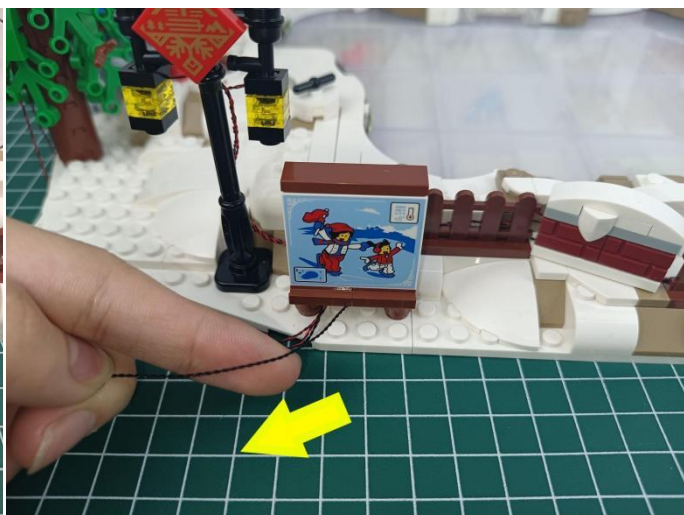
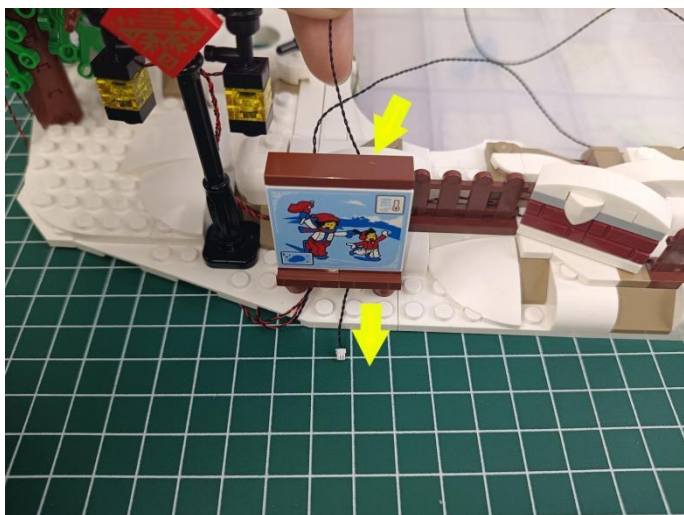
143



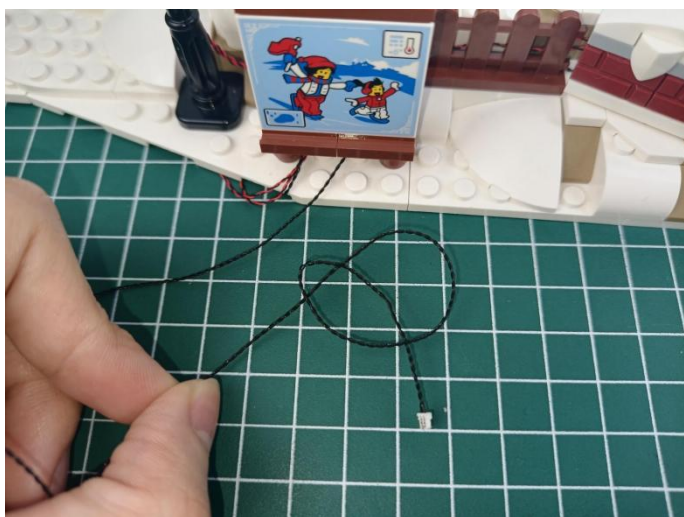
144



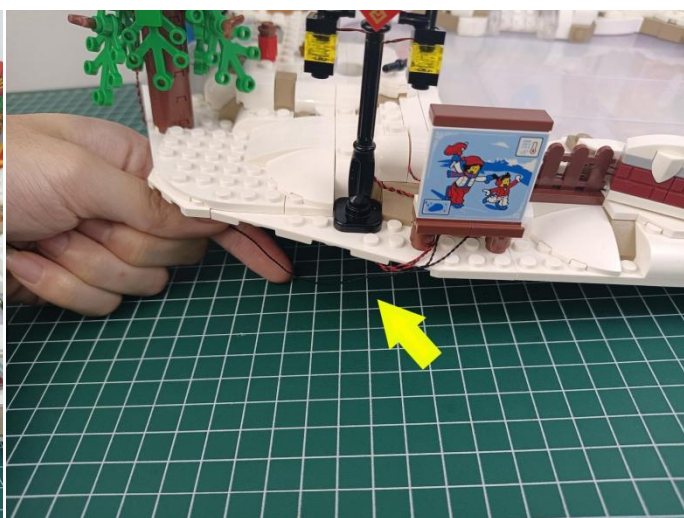
155



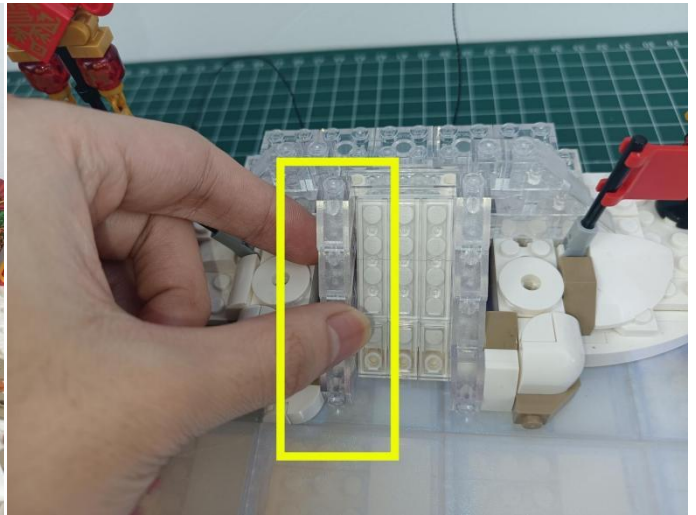
156



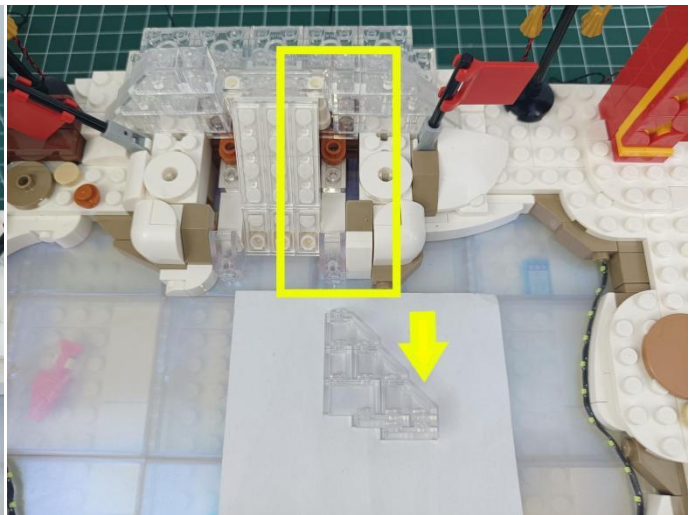
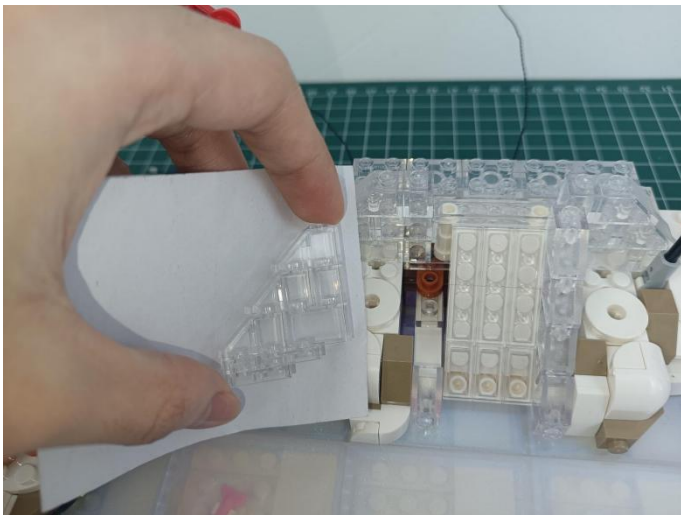
157



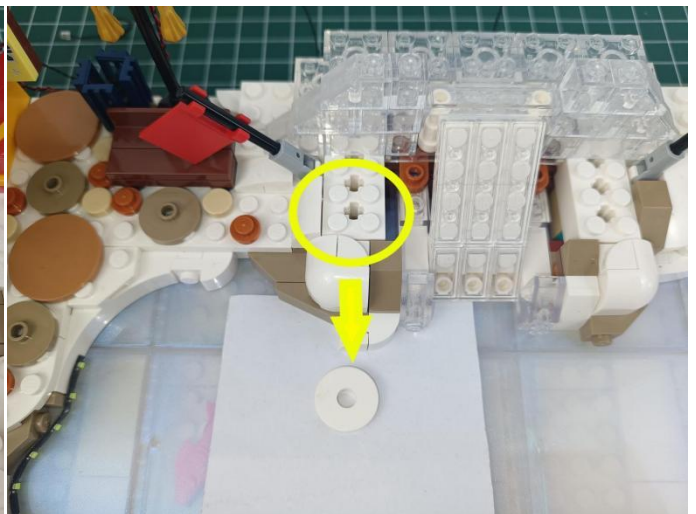
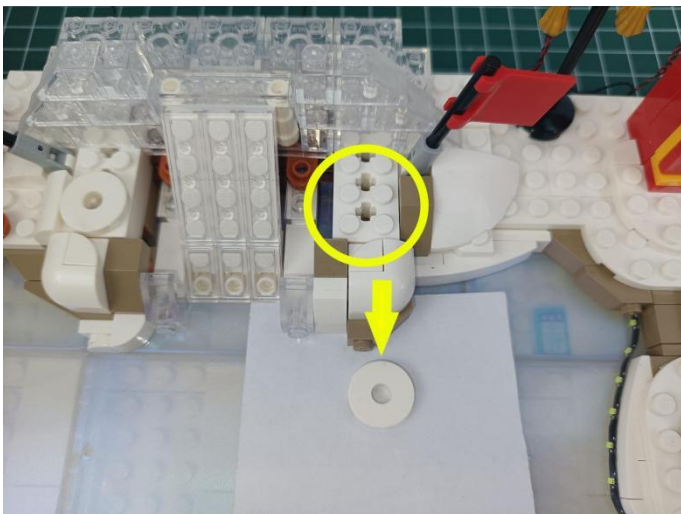
158



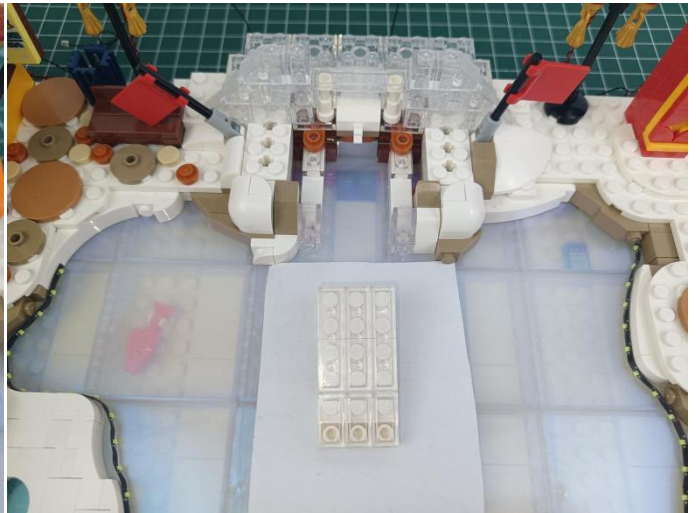
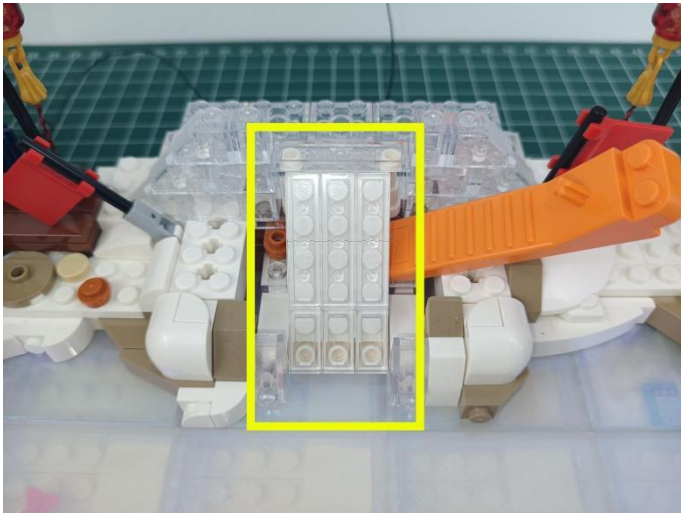
159



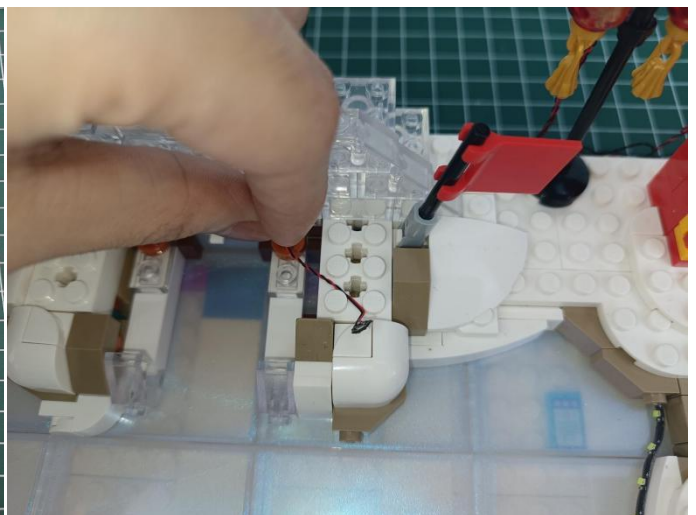
160



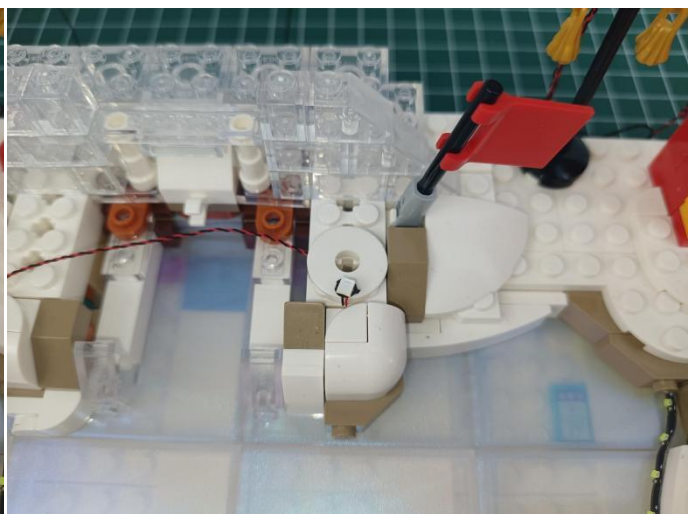
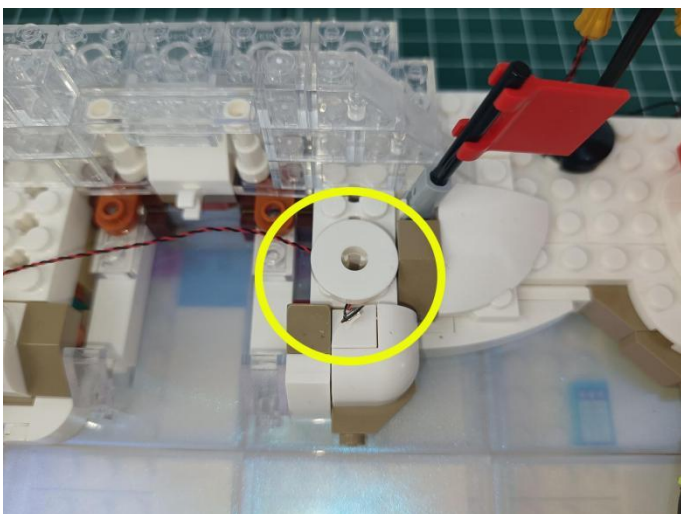
161



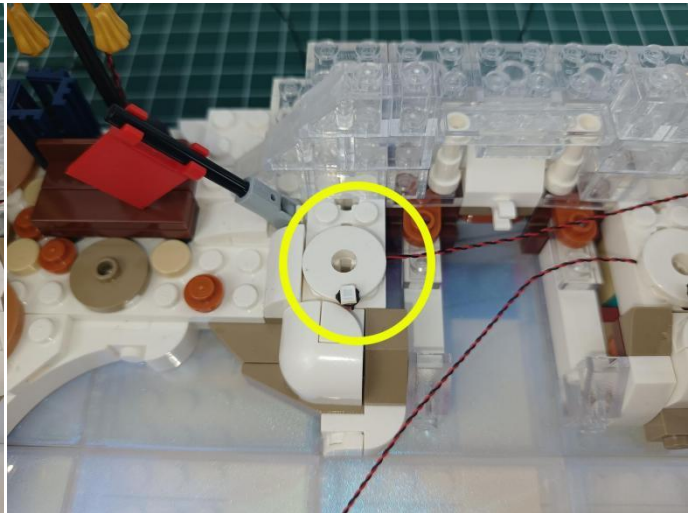
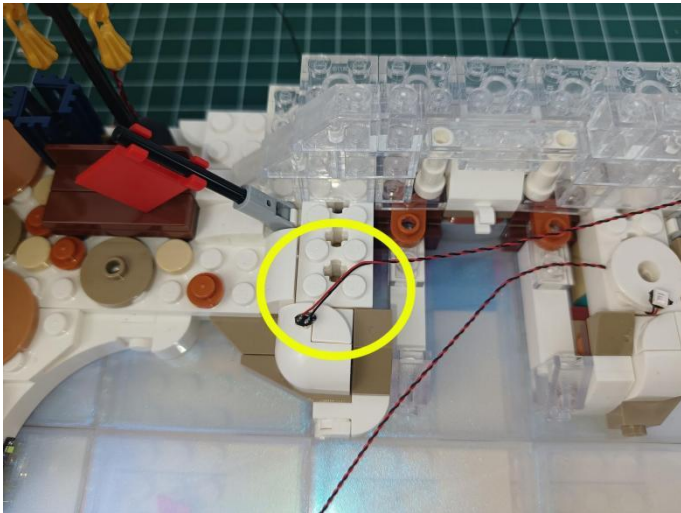
162



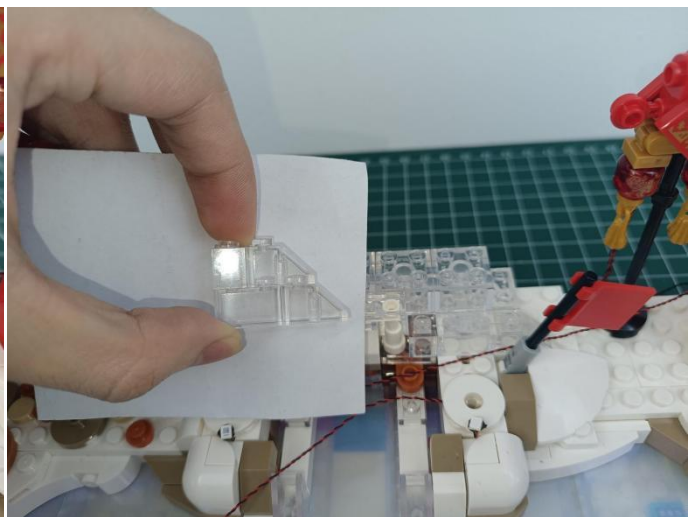
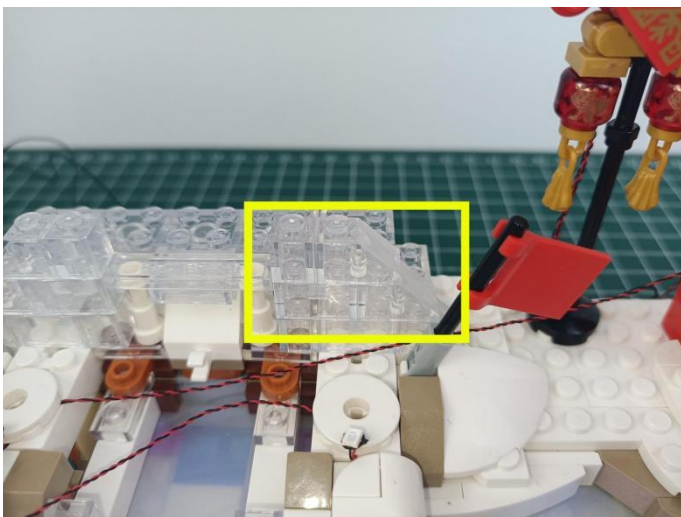
163



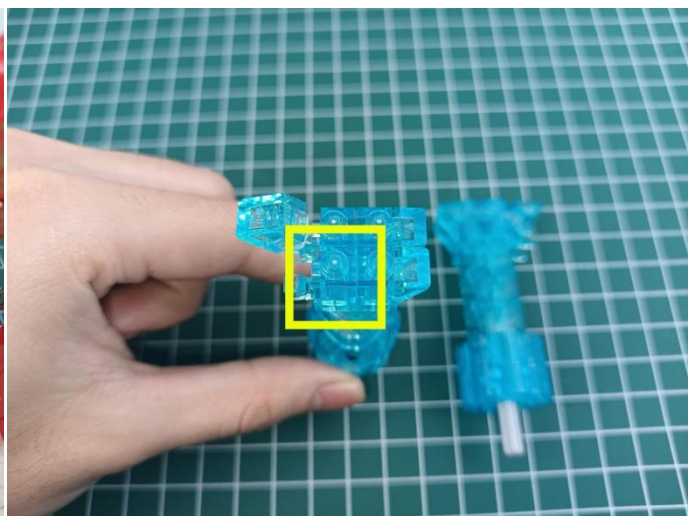
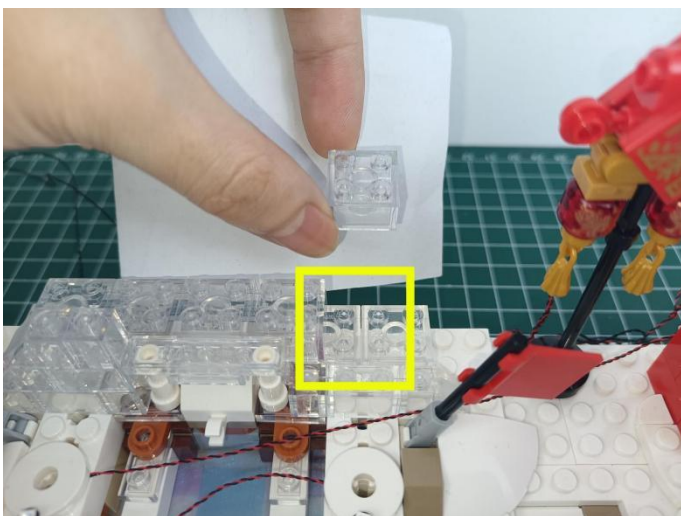
164



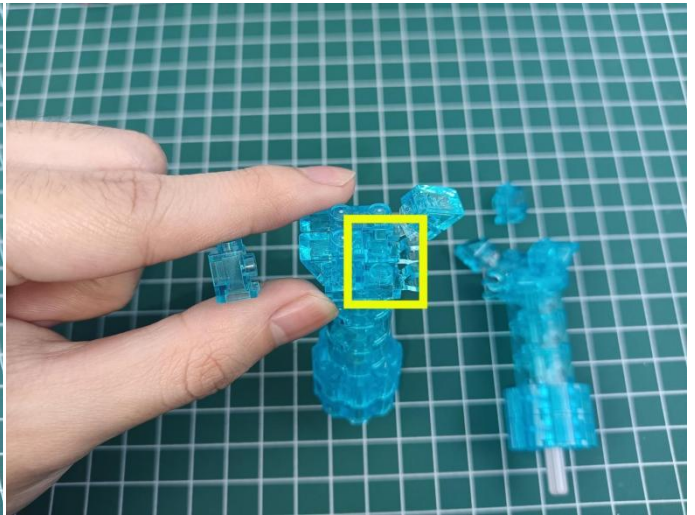
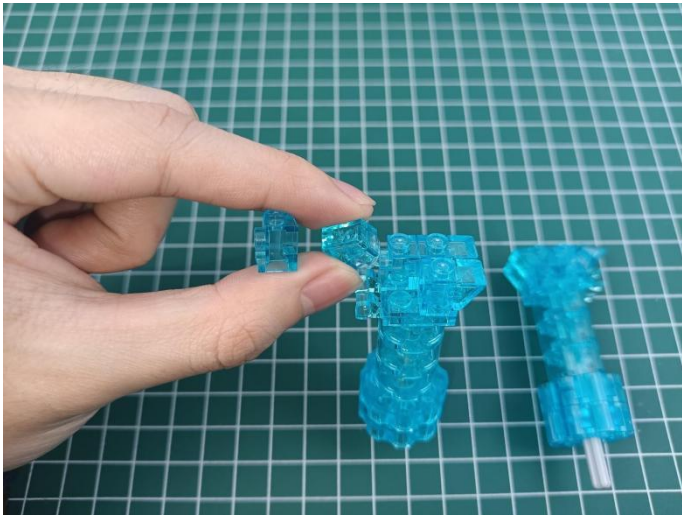
165



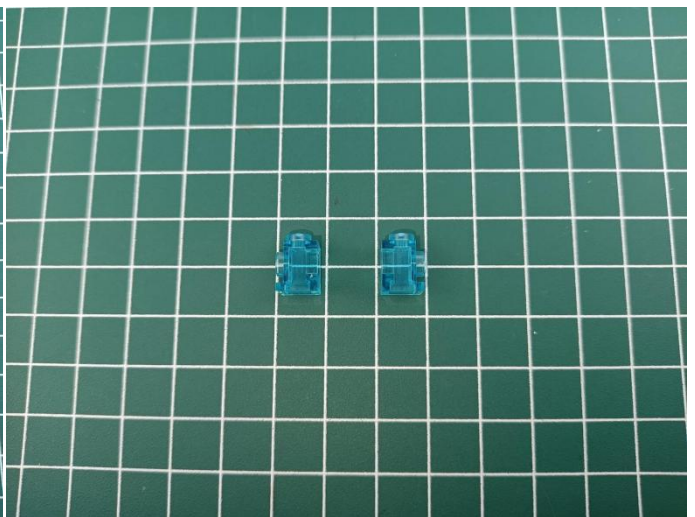
166



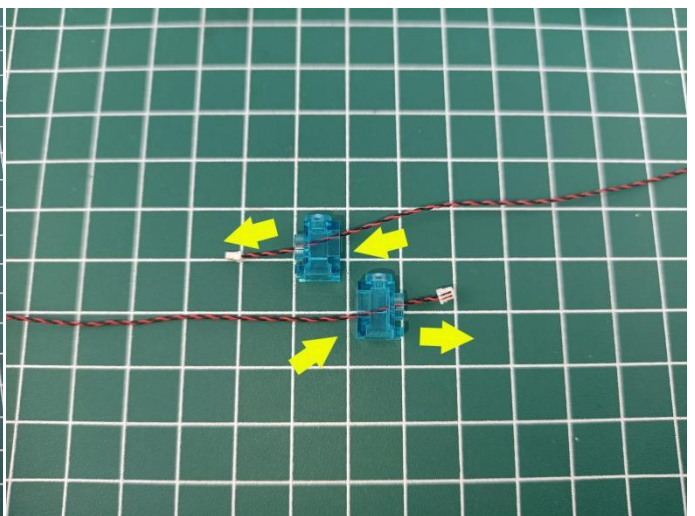
167



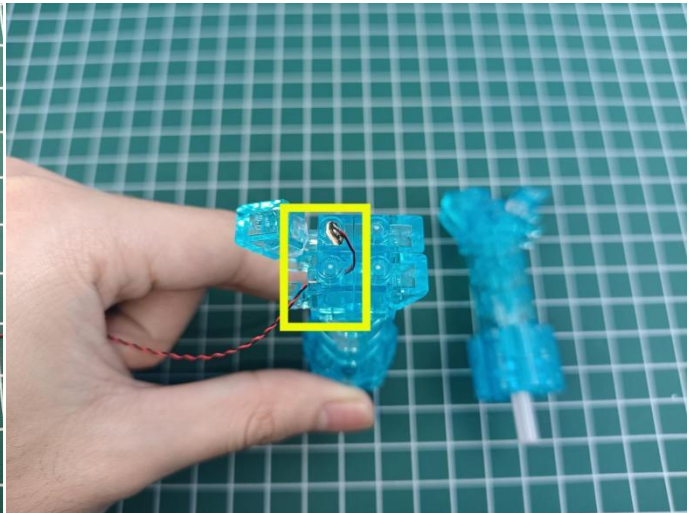
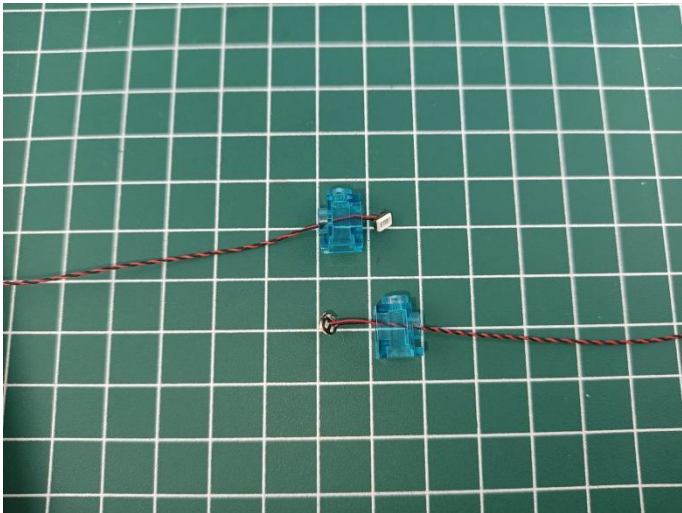
168



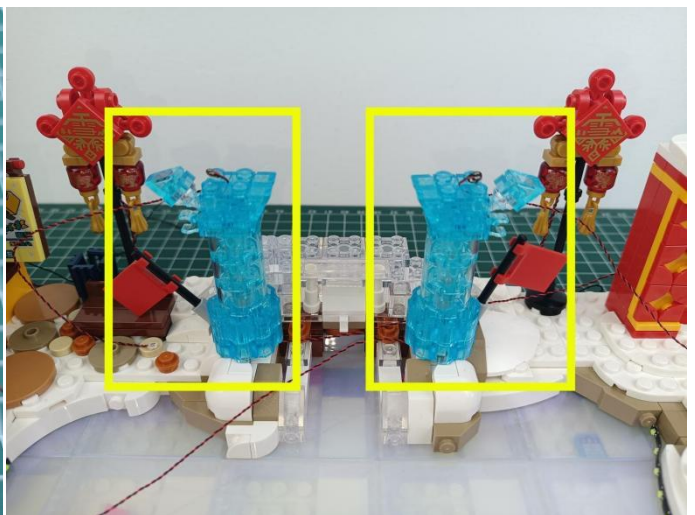
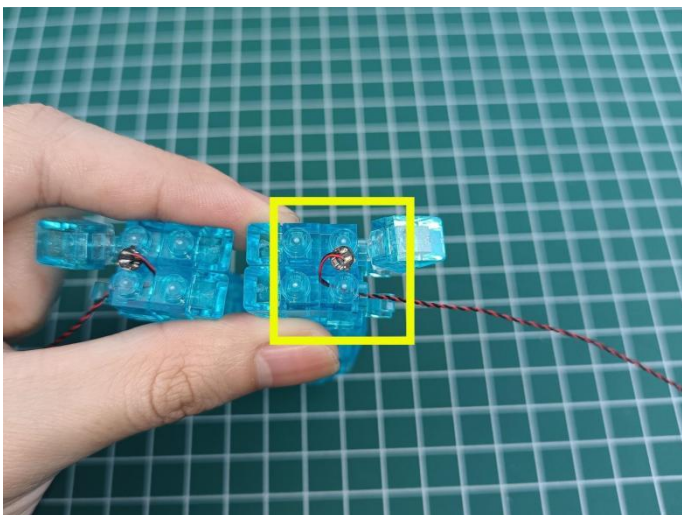
169



170



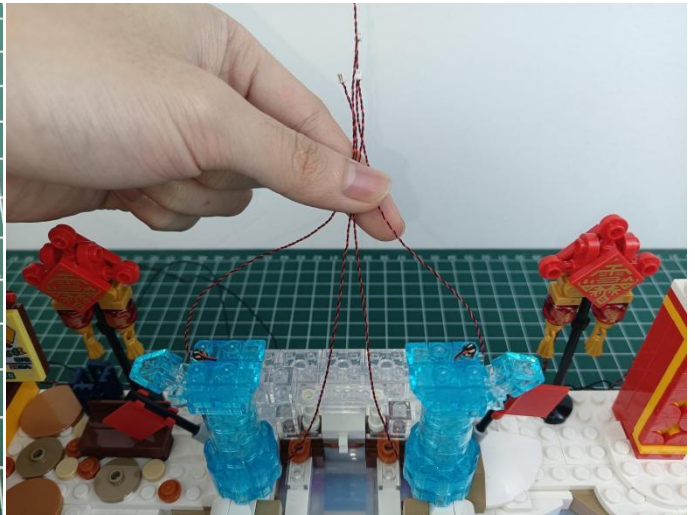
171



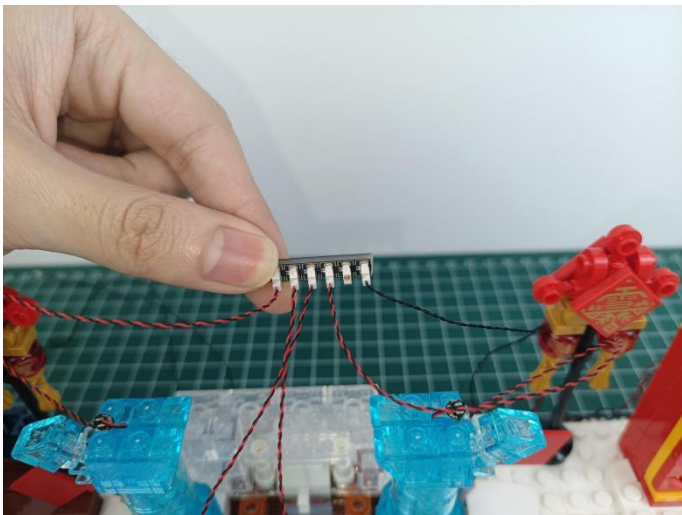
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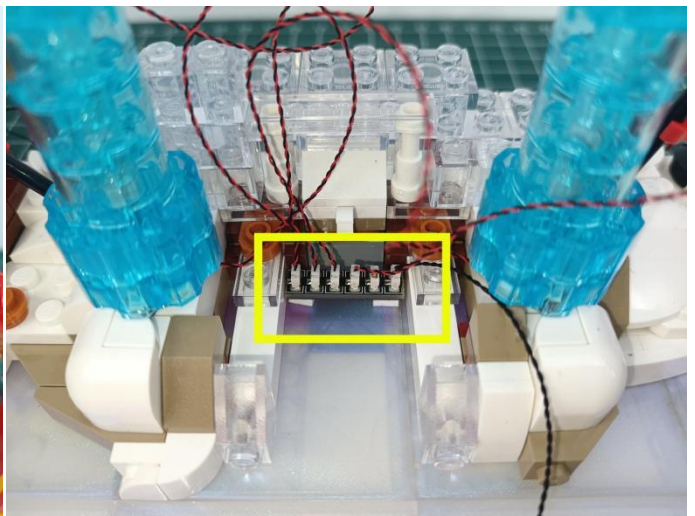
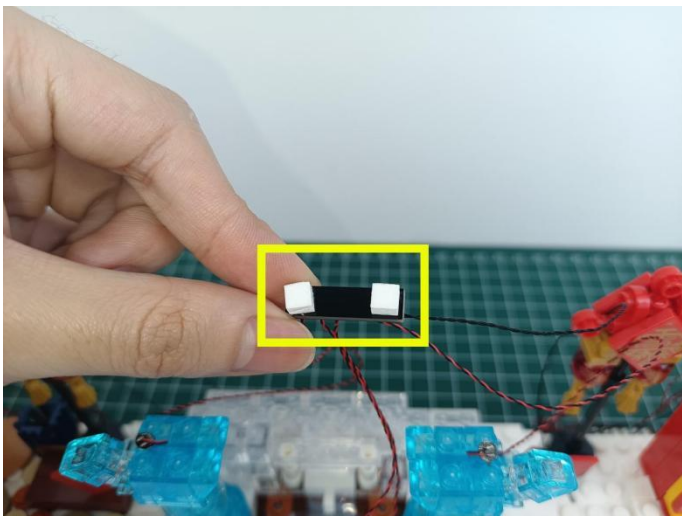
173



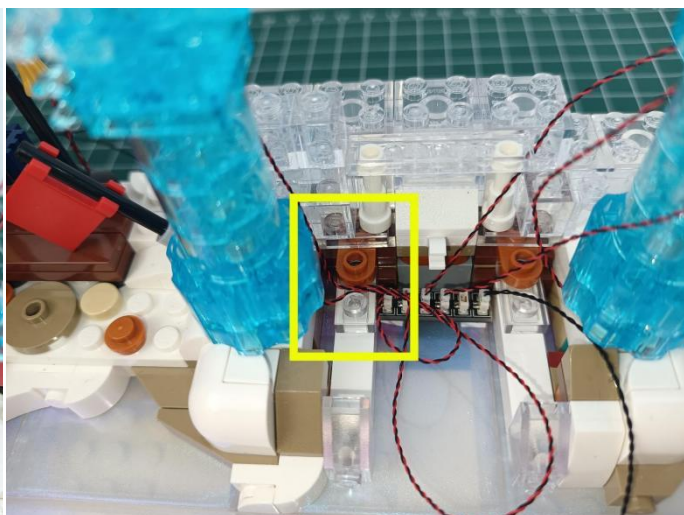
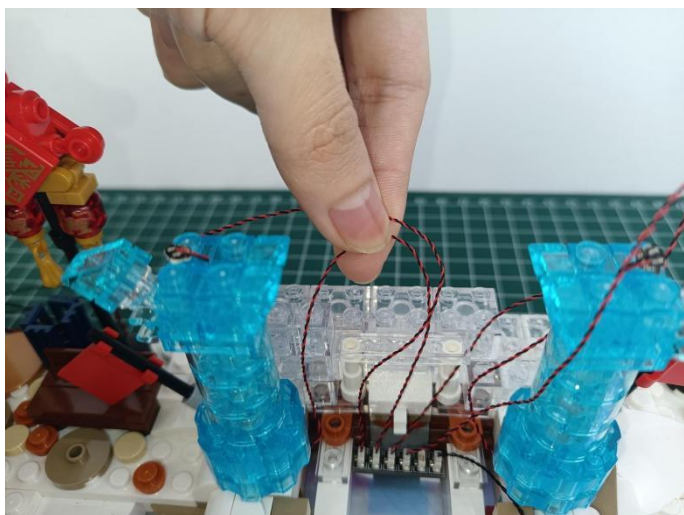
174



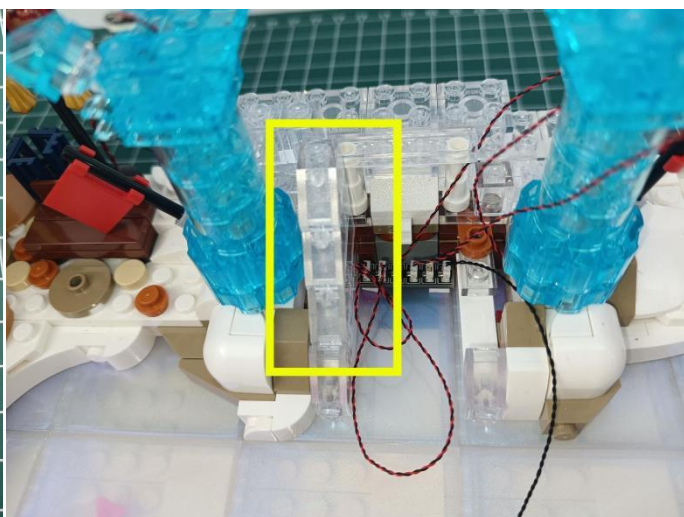
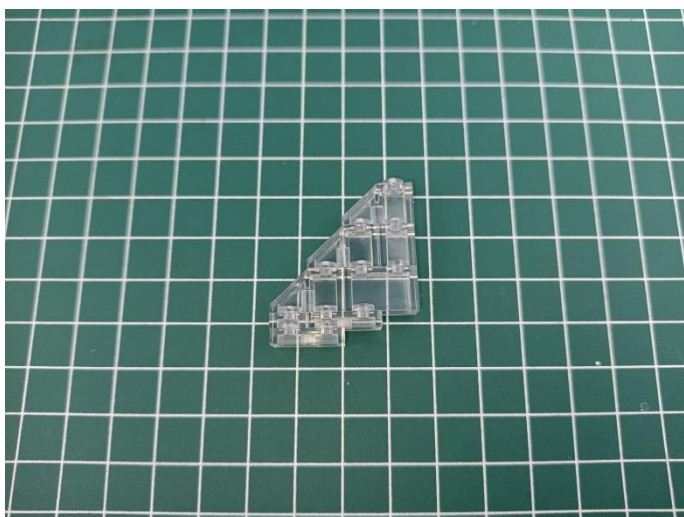
175



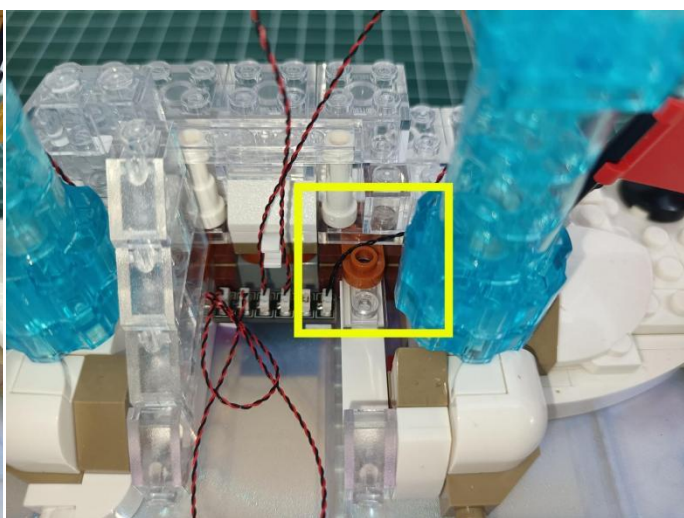
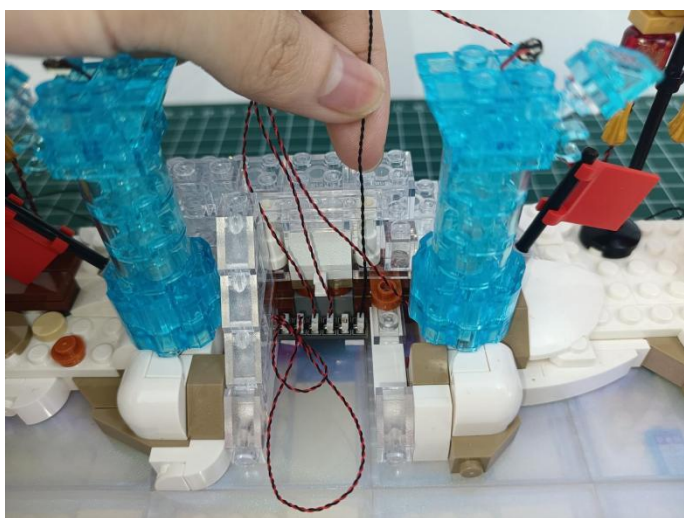
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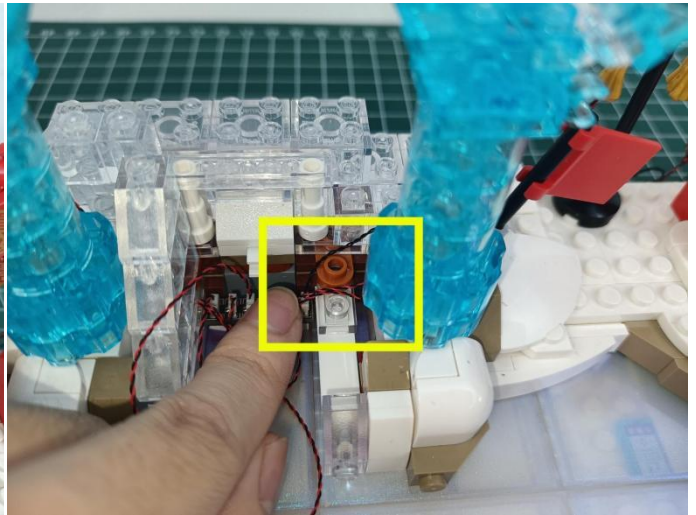
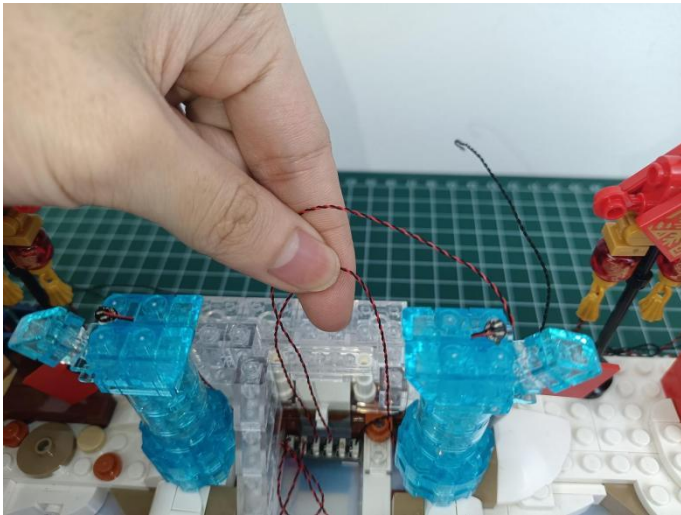
177



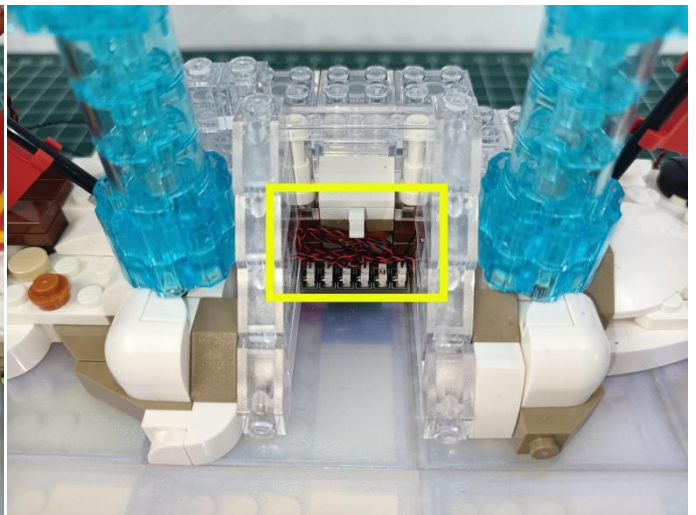
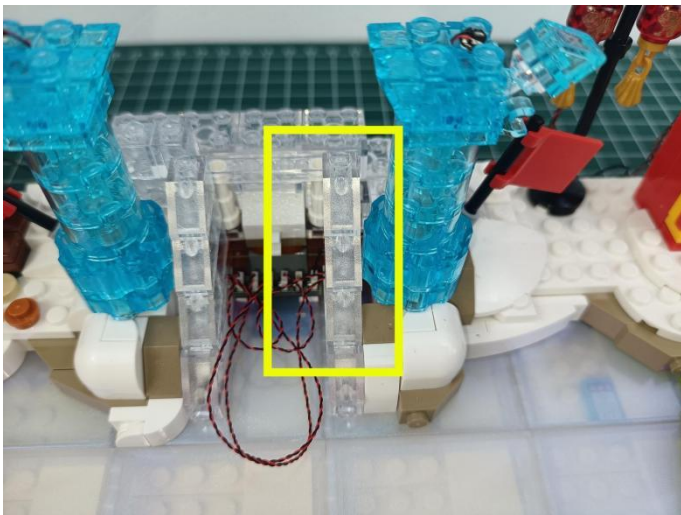
178



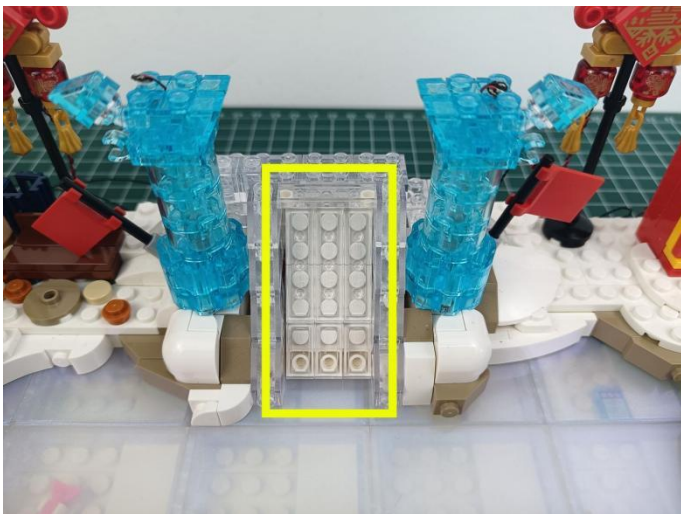
179



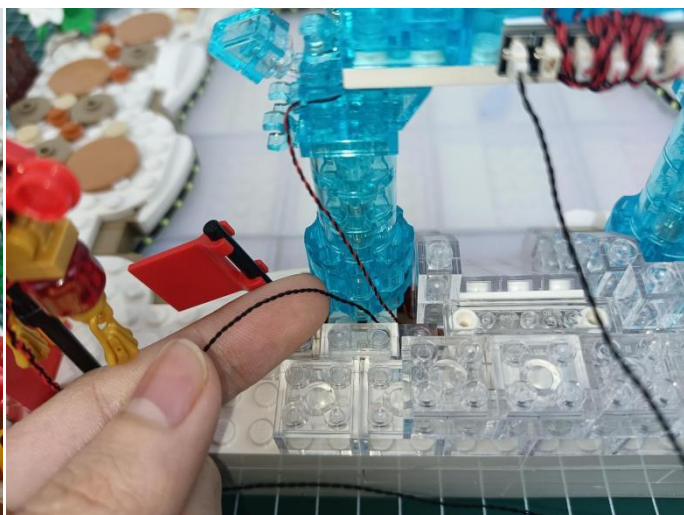
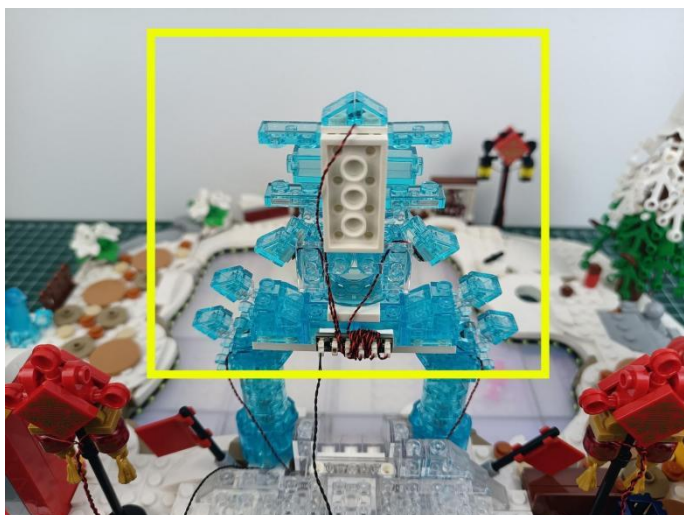
180



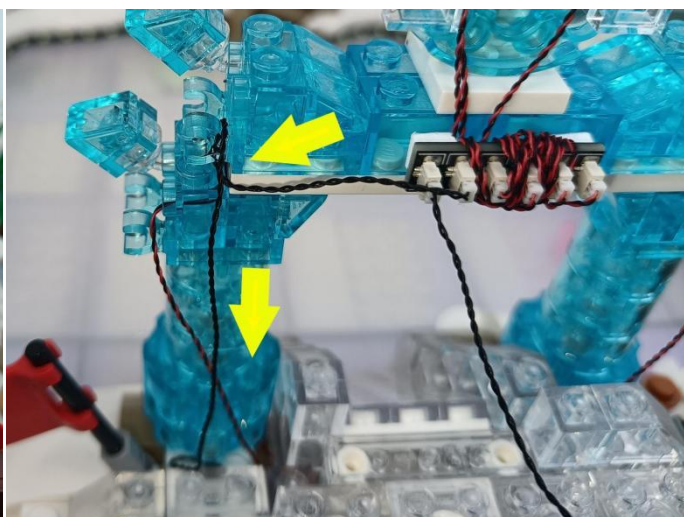
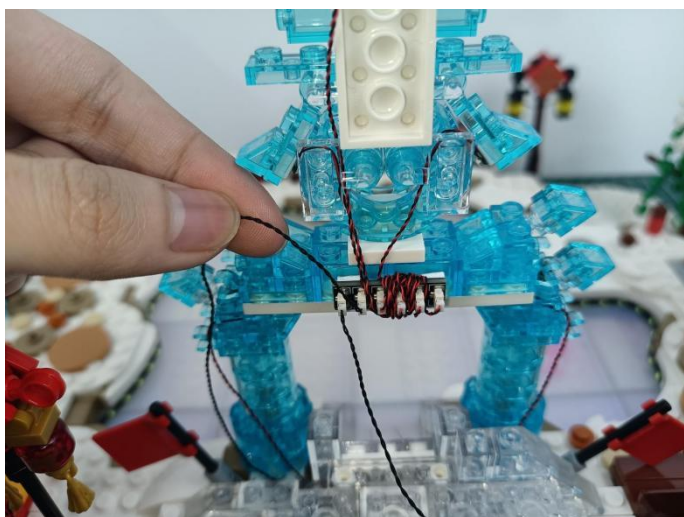
181



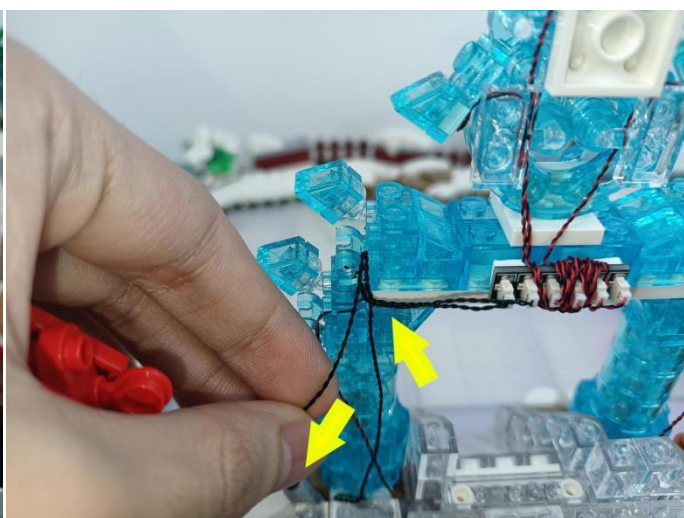
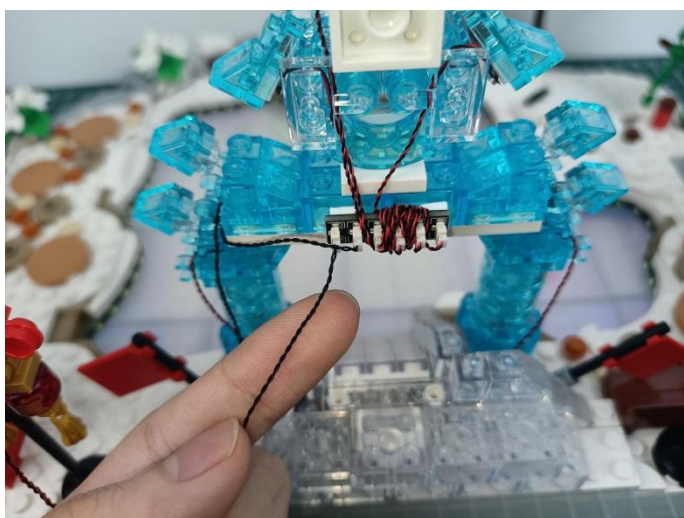
182



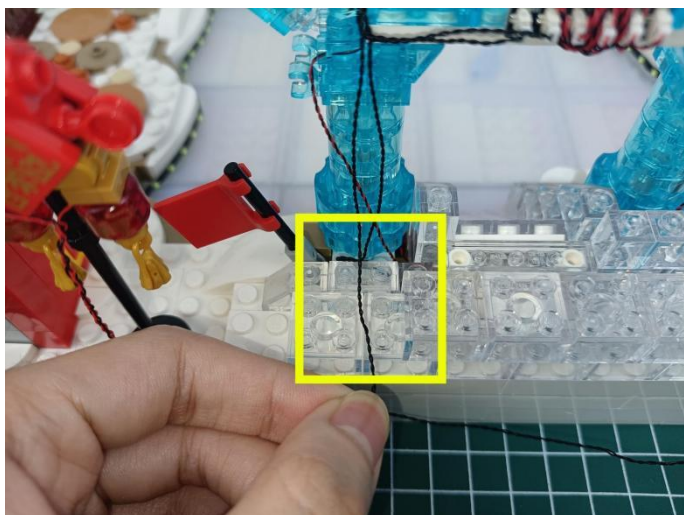
183



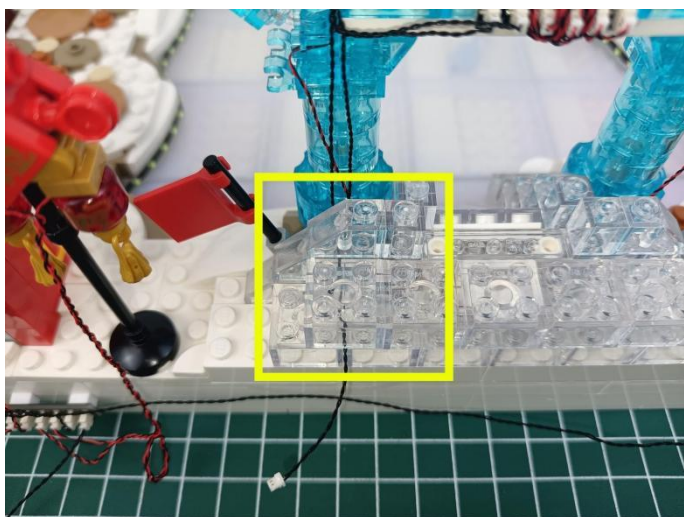
184



185



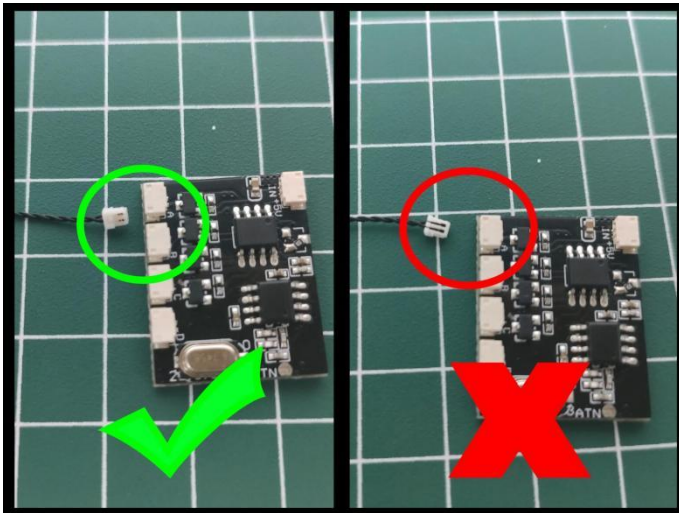
186



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.



187



Remote control function description



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

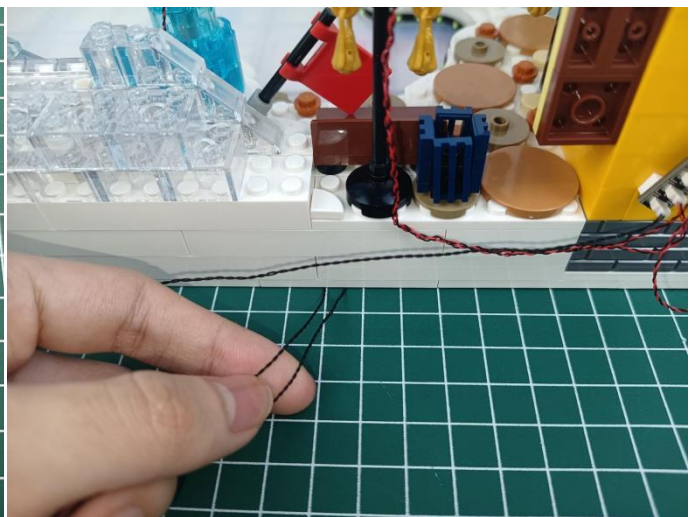
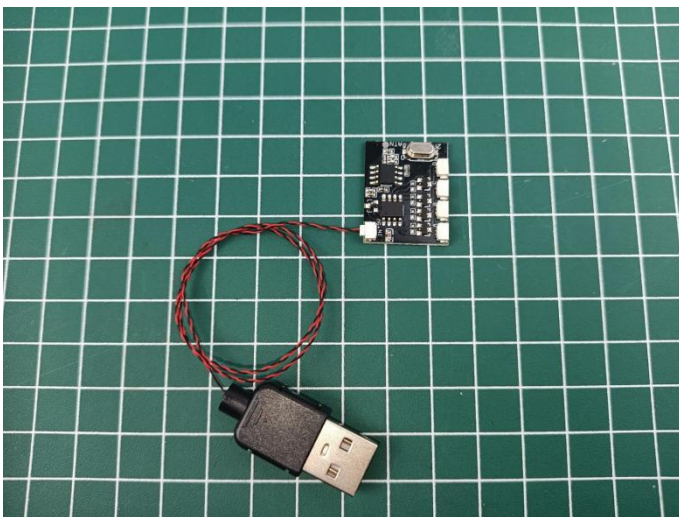
FS: Turn on blinking for the last open channel

BLN: Start breathing for the last opened path

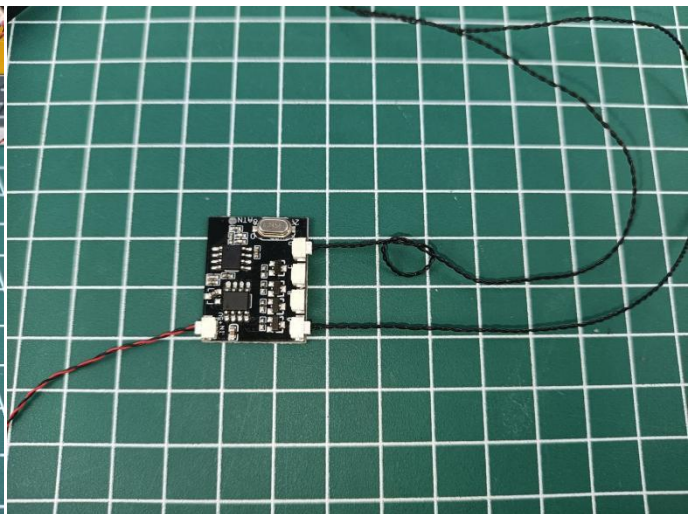
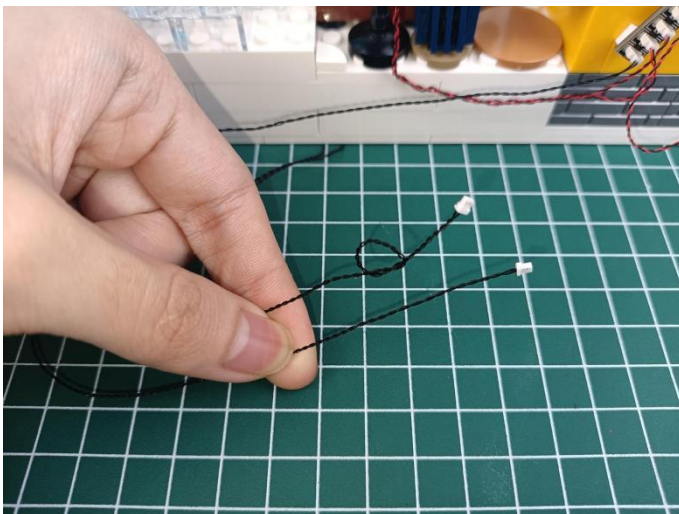
↑: Increase blinking/breathing rate
↓: Increase blinking/breathing rate

Brightness+: Increase brightness
Brightness -: Reduce brightness

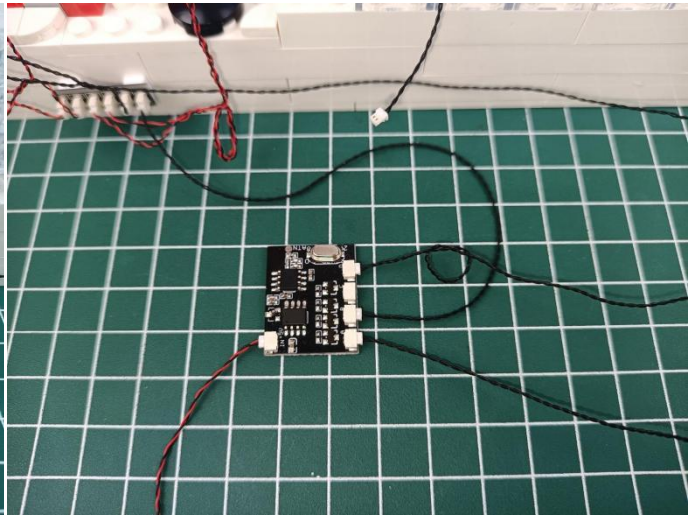
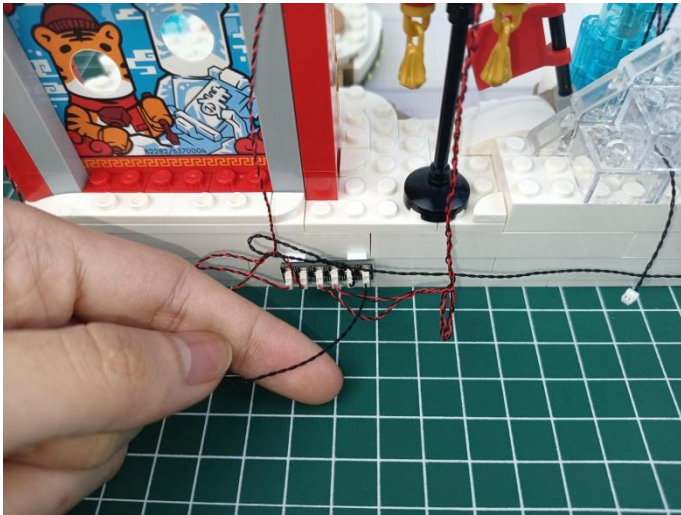
188



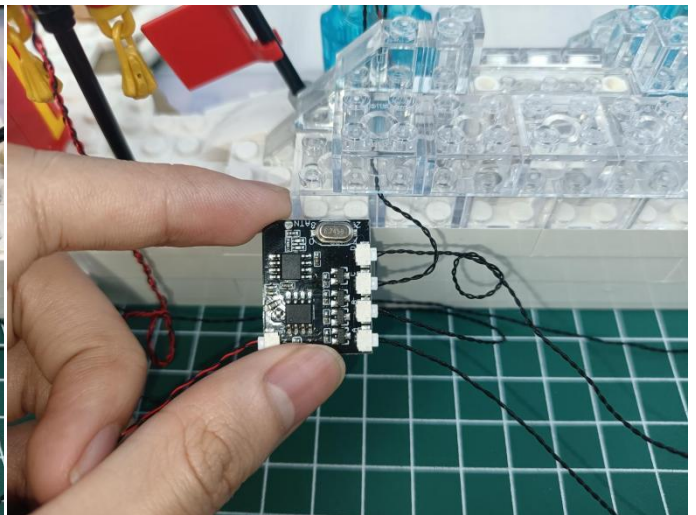
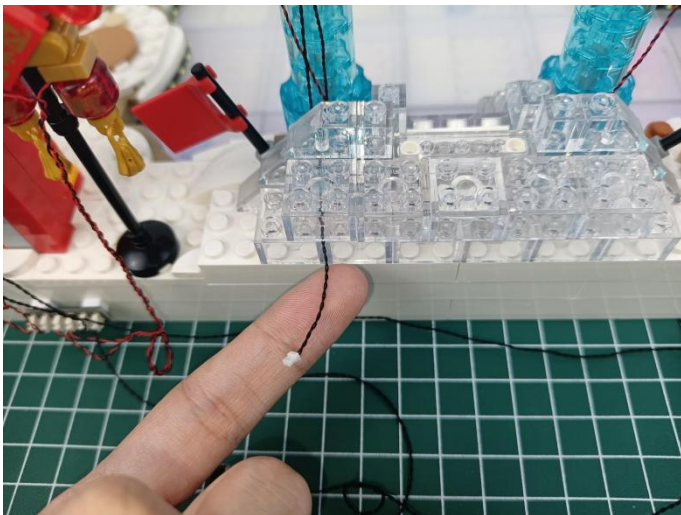
189



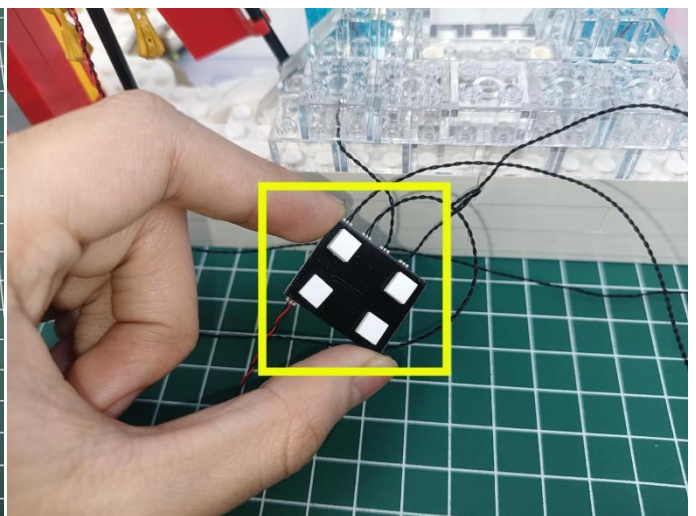
190



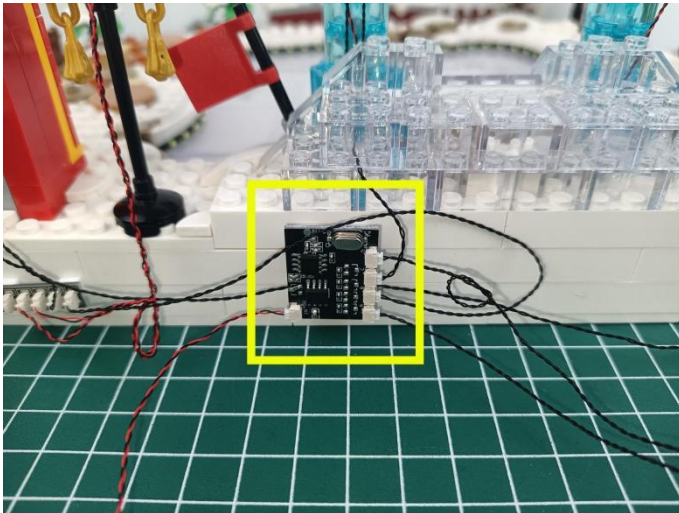
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193



194

Remote control function description



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

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 AA 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