

# 21330 Home Alone

## LED lighting Kit (Upgraded Version)

### P28702

Instructions for installing this kit:



# Step 1

## Test:

The lighting materials are as follows:

Label	Content	Quantity
Bit Lights-15CM-Warm White	Bit Lights-15CM-Warm White	5
Bit Lights-15CM-White	Bit Lights-15CM-White	2
Bit Lights-15CM-Red	Bit Lights-15CM-Red	7
Bit Lights-30CM-Blue	Bit Lights-30CM-Blue	1
Bit Lights-30CM-Red	Bit Lights-30CM-Red	2
Bit Lights-30CM-Warm White	Bit Lights-30CM-Warm White	3
Headlights-30CM-Warm White	Headlights-30CM-Warm White	8
Headlights-15CM-Warm White	Headlights-15CM-Warm White	4
LED Strip Lights-Warm White	LED Strip Lights-Warm White	4
Expansion Board	6 Socket Expansion Board	5
	8 Socket Expansion Board	3
	4 Socket Expansion Board	4
USB Power Cable	USB Power Cable	2
Connecting Cables-5CM	Connecting Cables-5CM	4
Connecting Cables-50CM	Connecting Cables-50CM	2
Connecting Cables-20CM	Connecting Cables-20CM	7
Flicker-Effects Board	Flicker-Effects Board	1
Multi-Colour Light String	Multi-Colour Light String	1
Light Strips-Warm White-28	Light Strips-Warm White-28	4
Light Strips-Warm White-21	Light Strips-Warm White-21	2
Headlights-15CM-Green	Headlights-15CM-Green	4
Wireless Power Connectors	Wireless Power Connectors	2
Parts package		

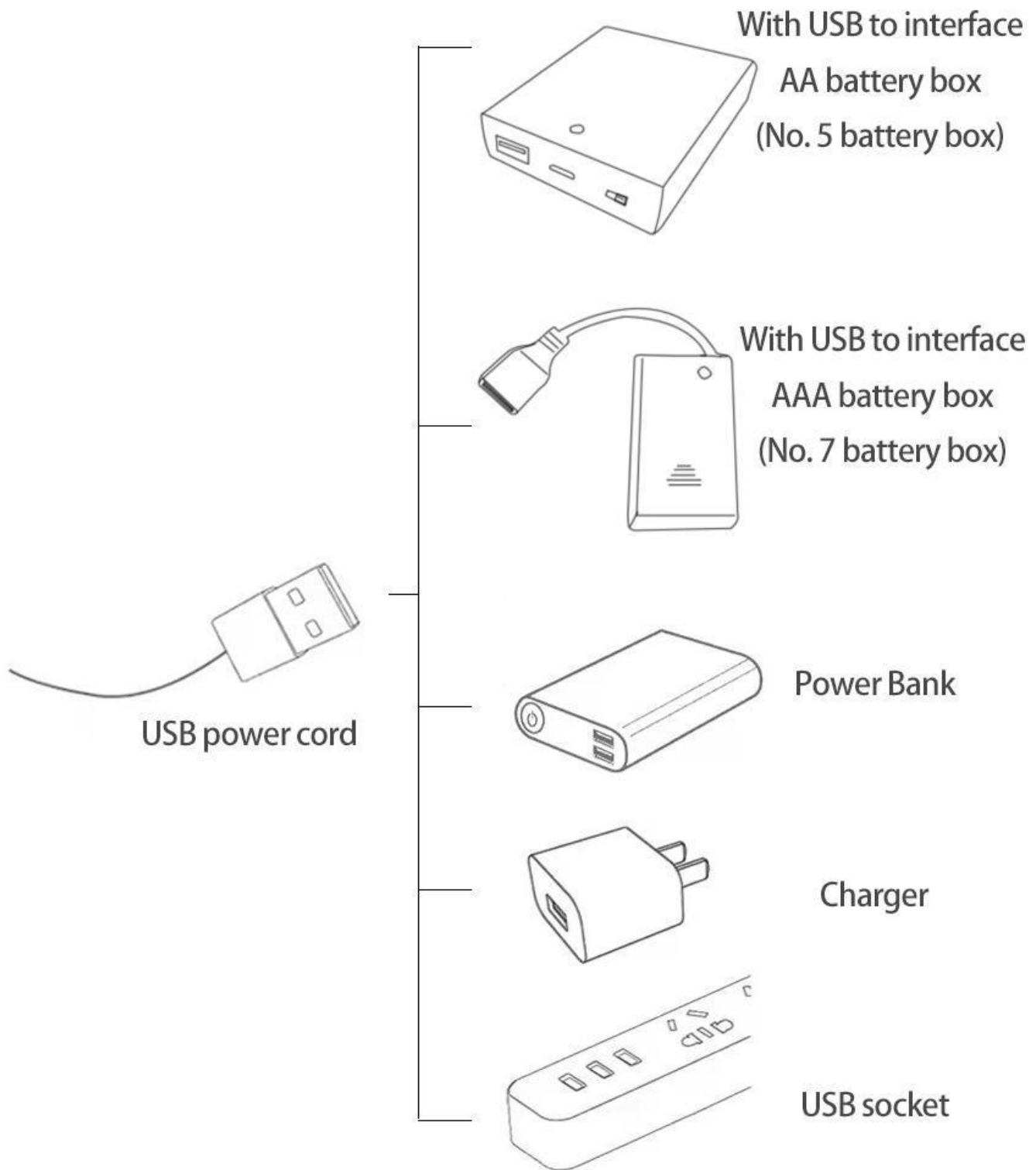
This set has a total of 22 bags. Take out the USB power cord .





The power supplies that can be used with the USB power cord are as follows (the voltage for normal use is 5V).

# USB connectors to connect devices



Connect the USB power cord to the mobile power supply (the power supply is self-provided, this article uses the mobile power supply, other power supply methods are shown in the figure above).



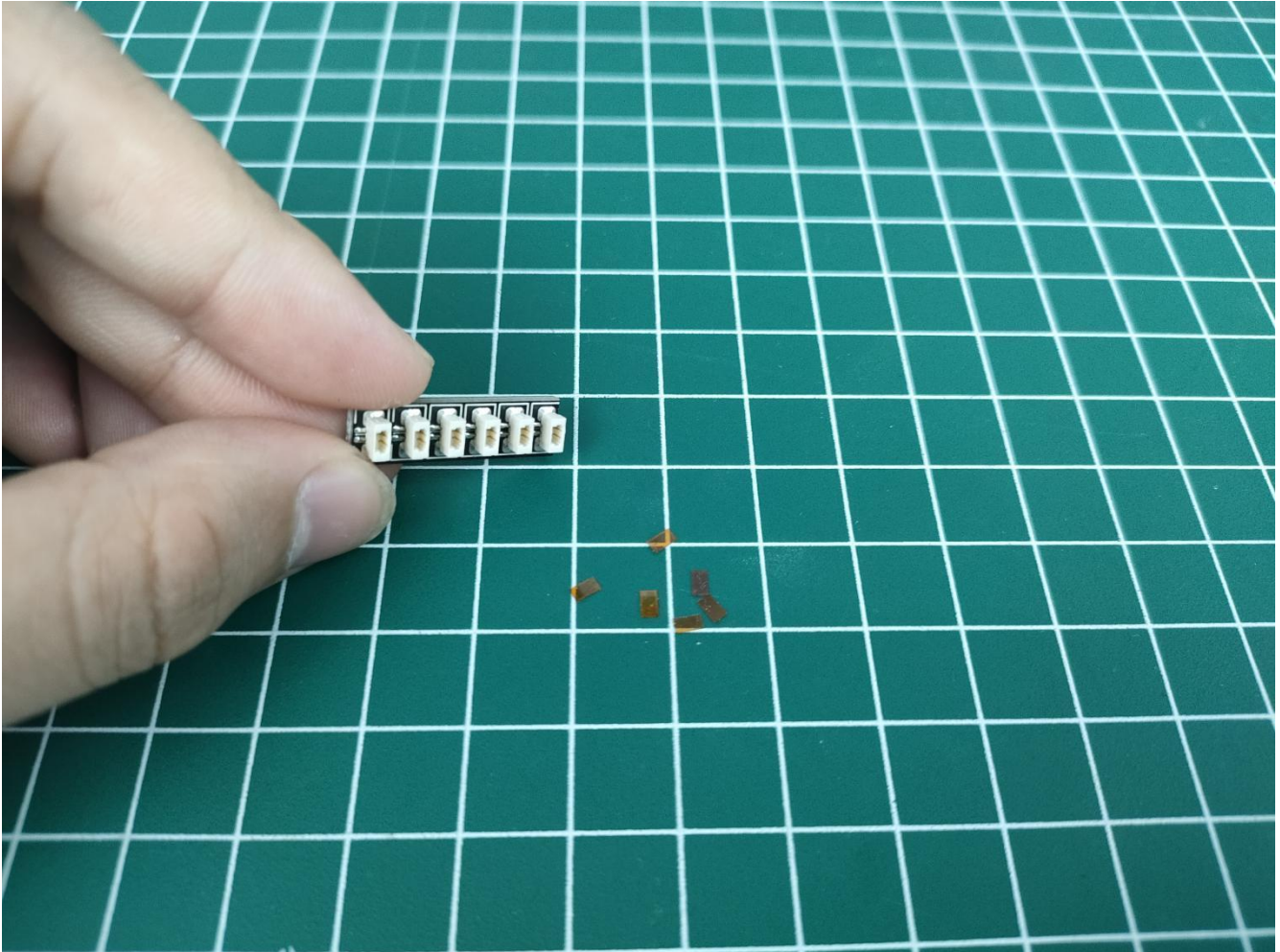
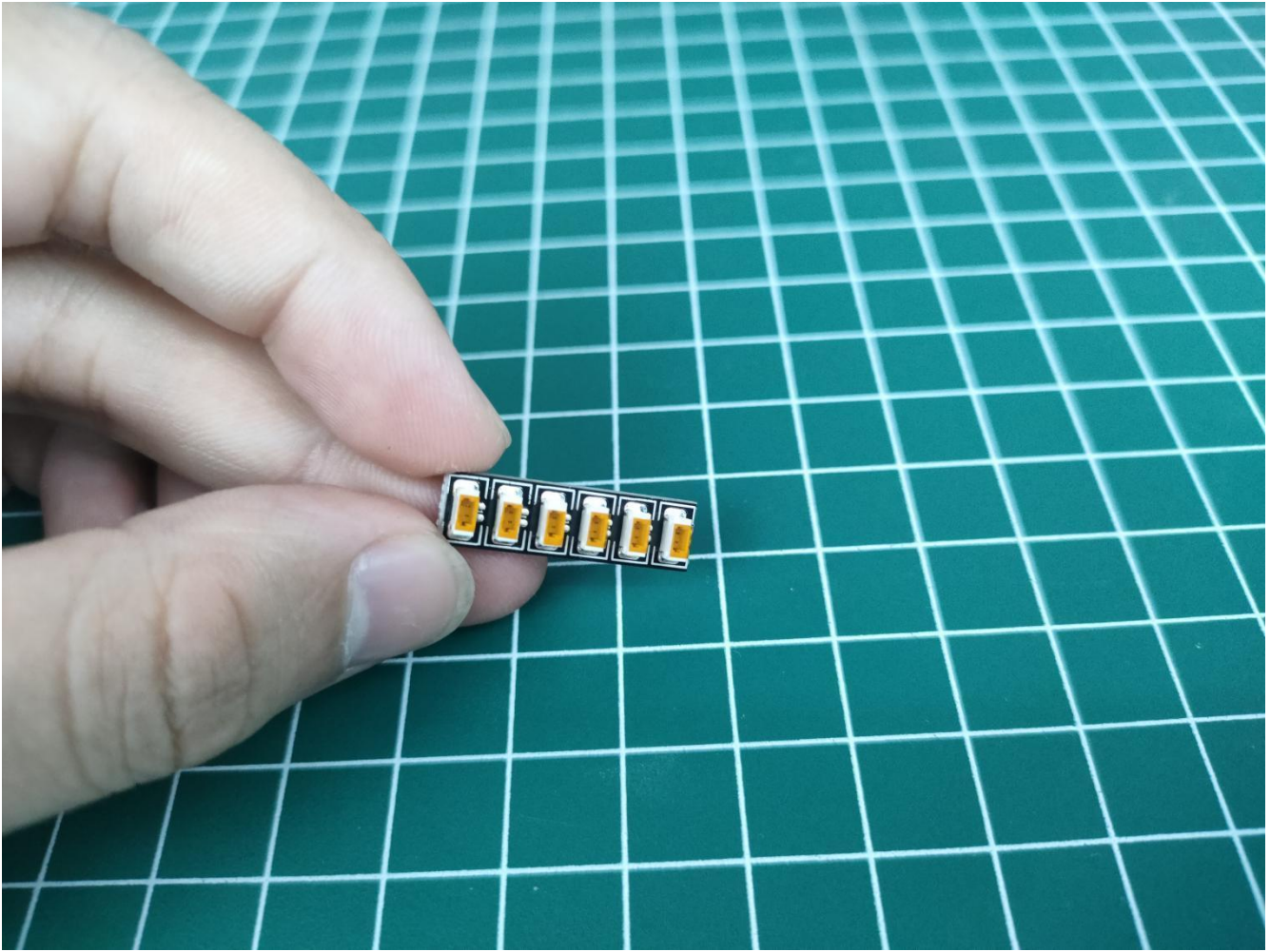


Take out a 6-seater expansion board.



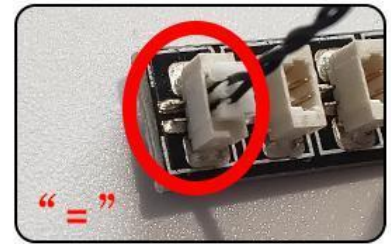
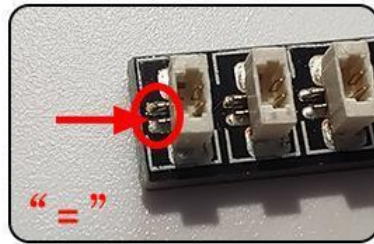
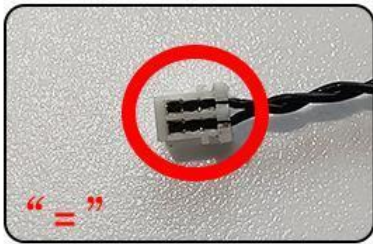


Lift the seal of the expansion board.

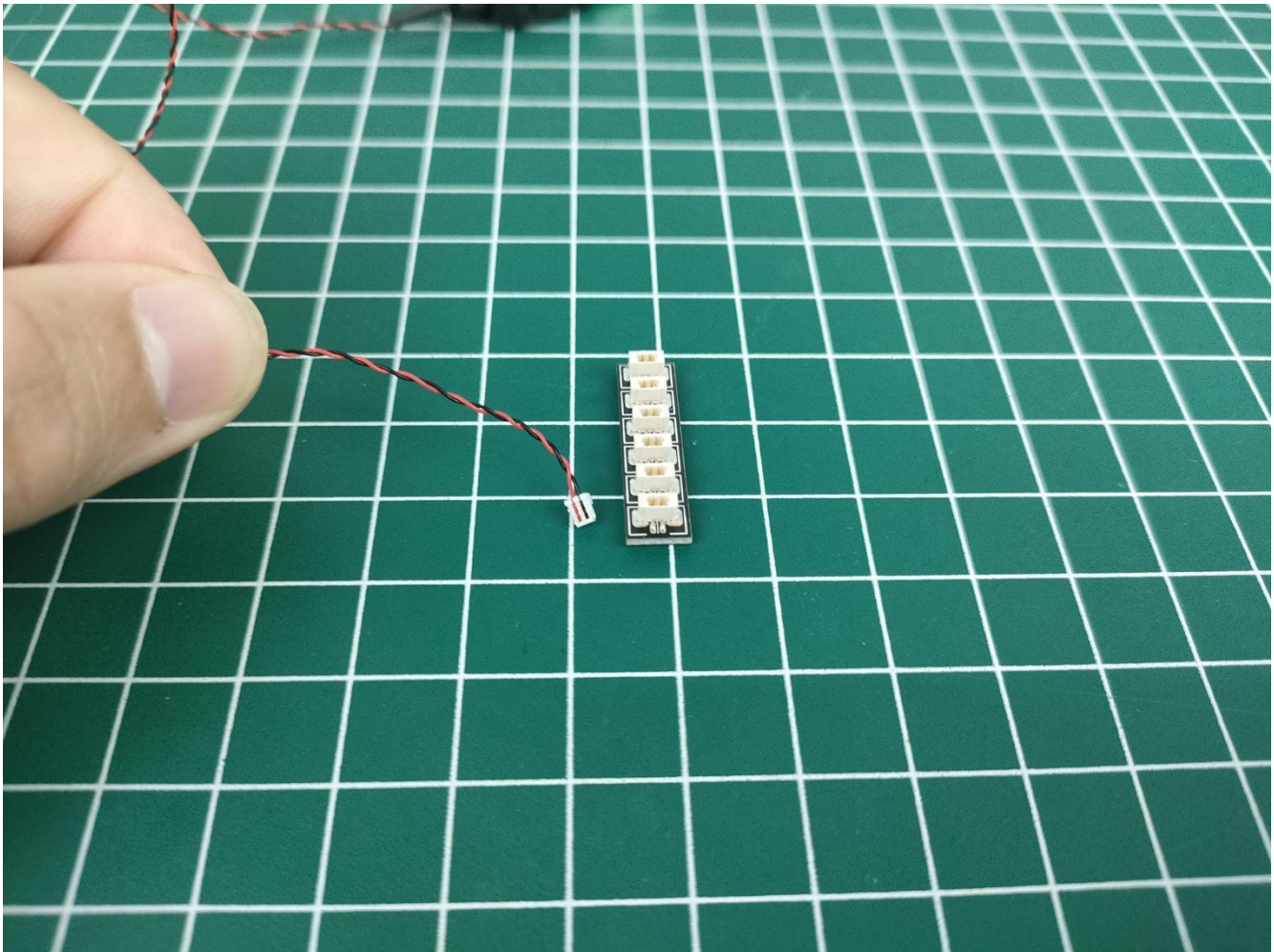


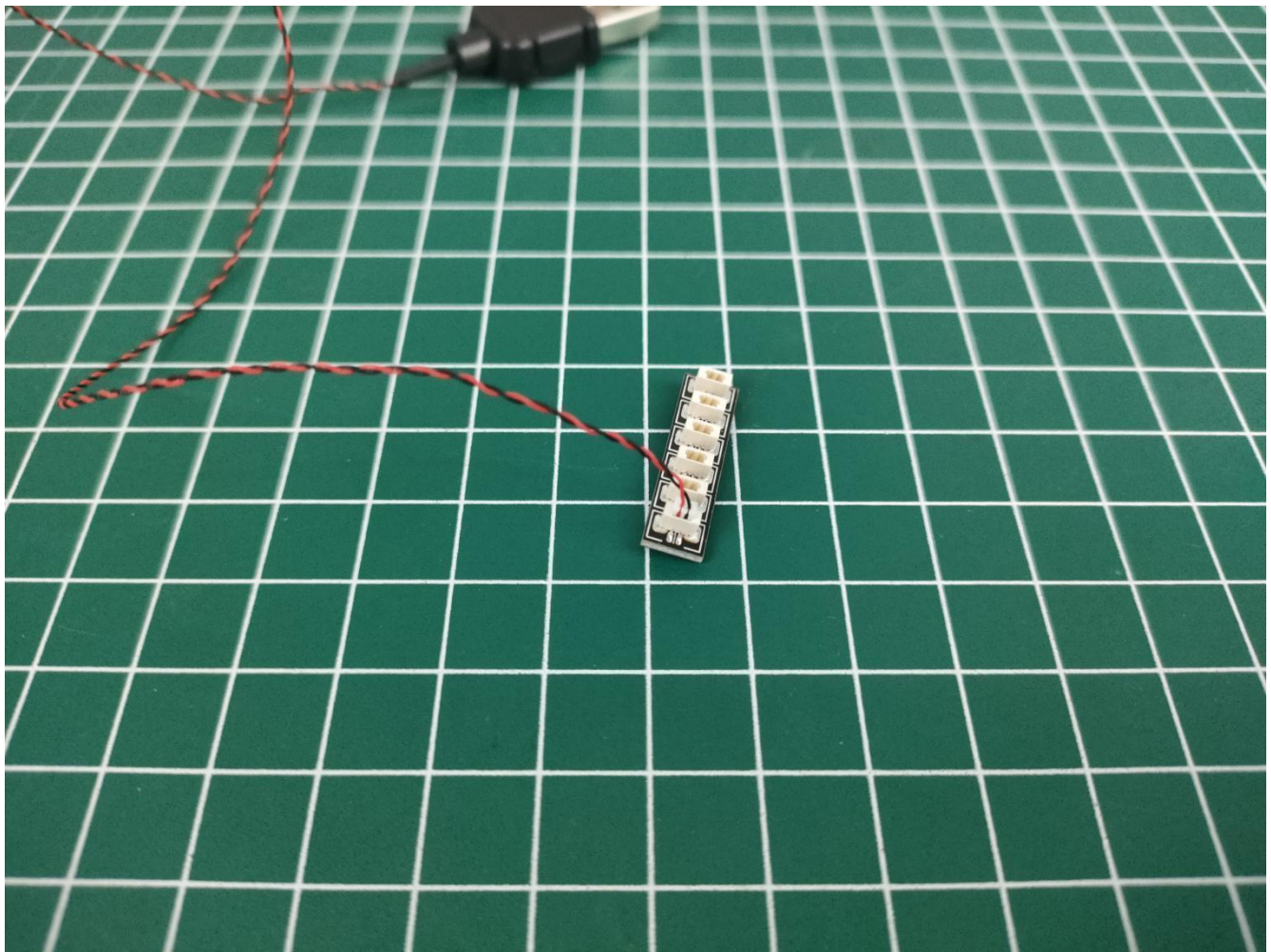


Please pay attention to the use of the interface. The interface is small. Please use it carefully: the = number of the 2P interface is aligned with the = number of the expansion board. The equal sign on the expansion board refers to the two solder joints on the outside, not the two inside the jack Metal pin.



Connect the small plug of the USB power cord to the expansion board.



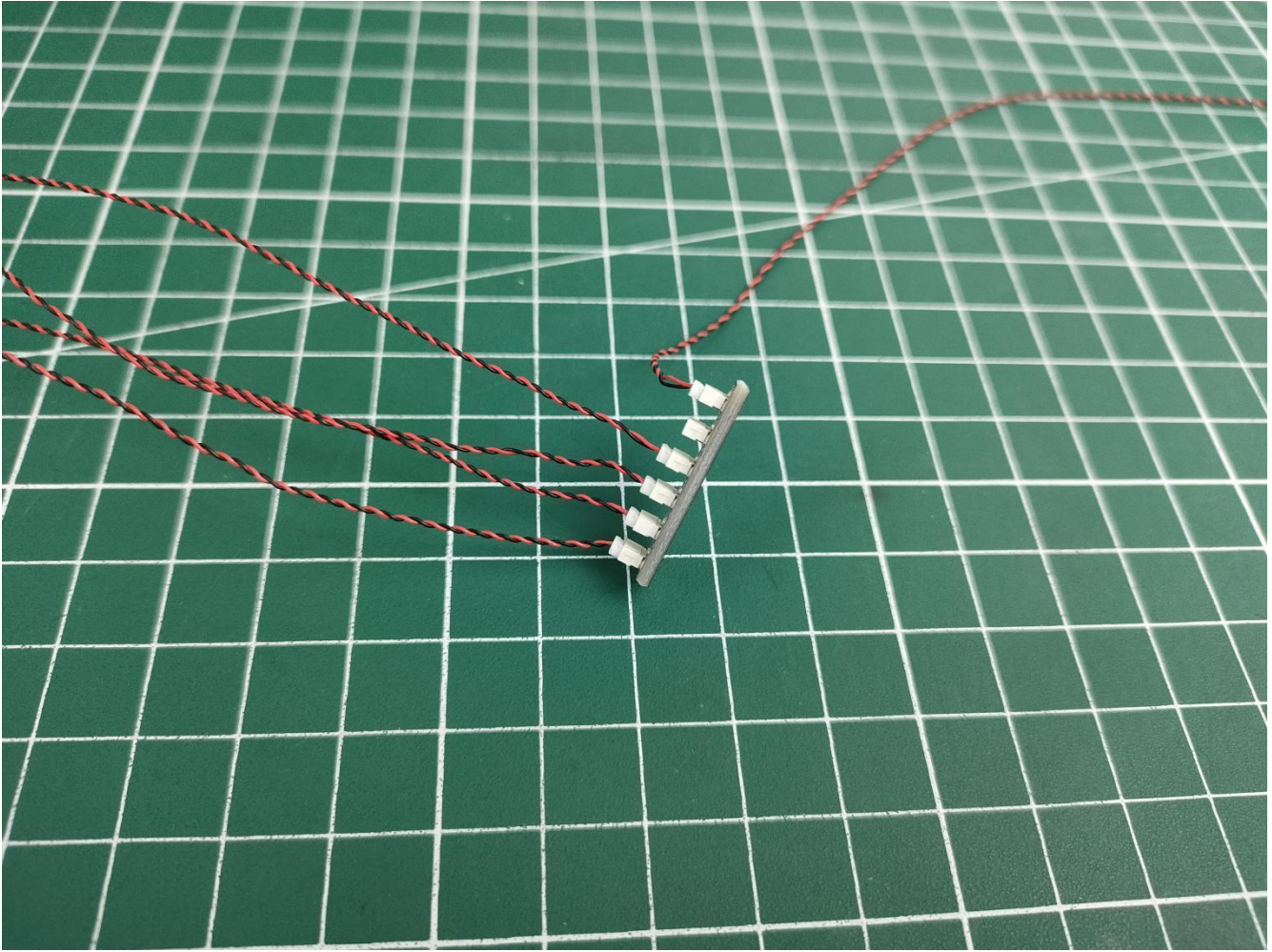




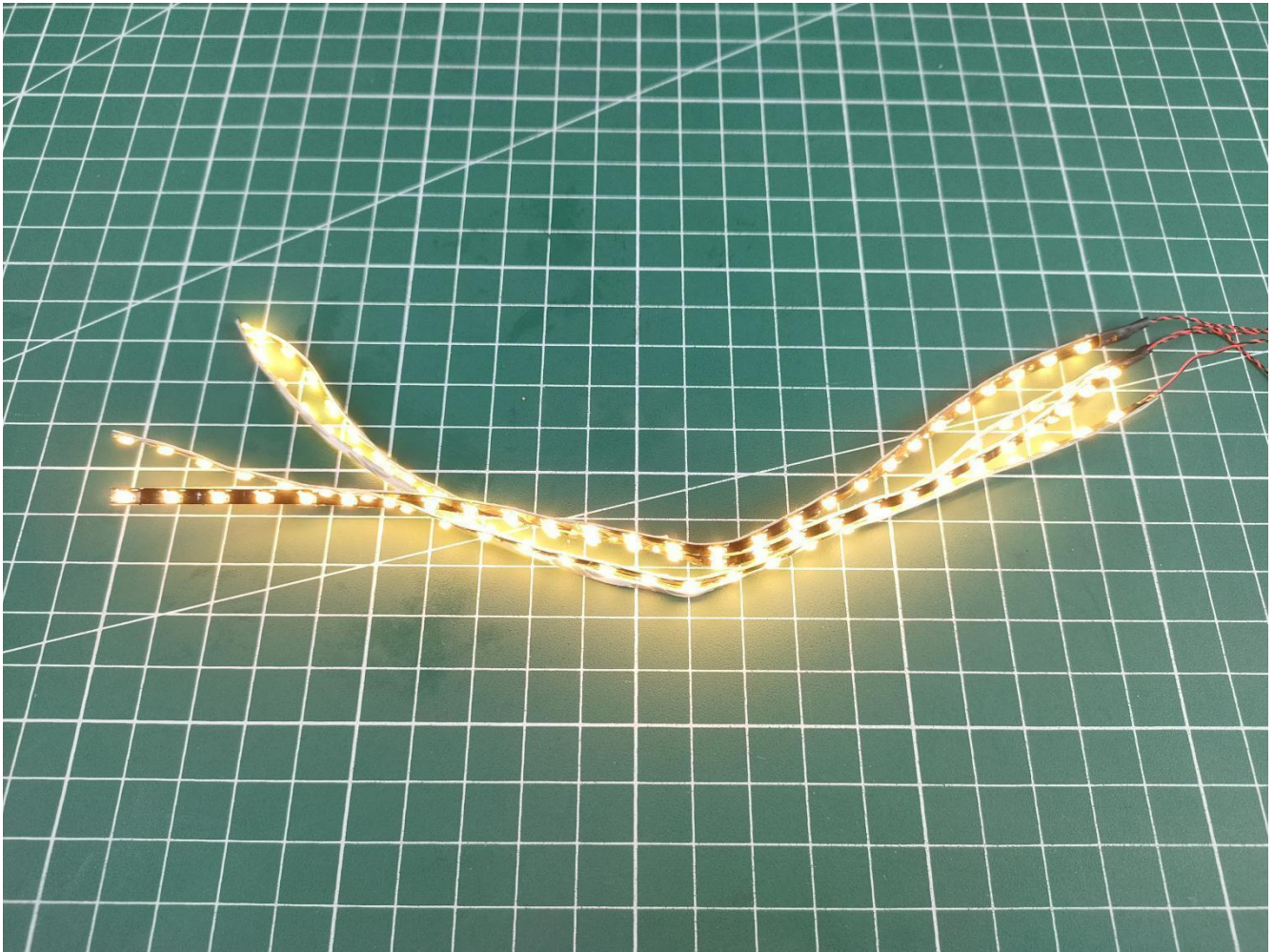
Remove the light bar from the bag and prepare for testing.



Connect them to the expansion board (you can test one by one). Turn on the power, test the lighting, and check whether it is normal. If there is any abnormality, please contact us in time.

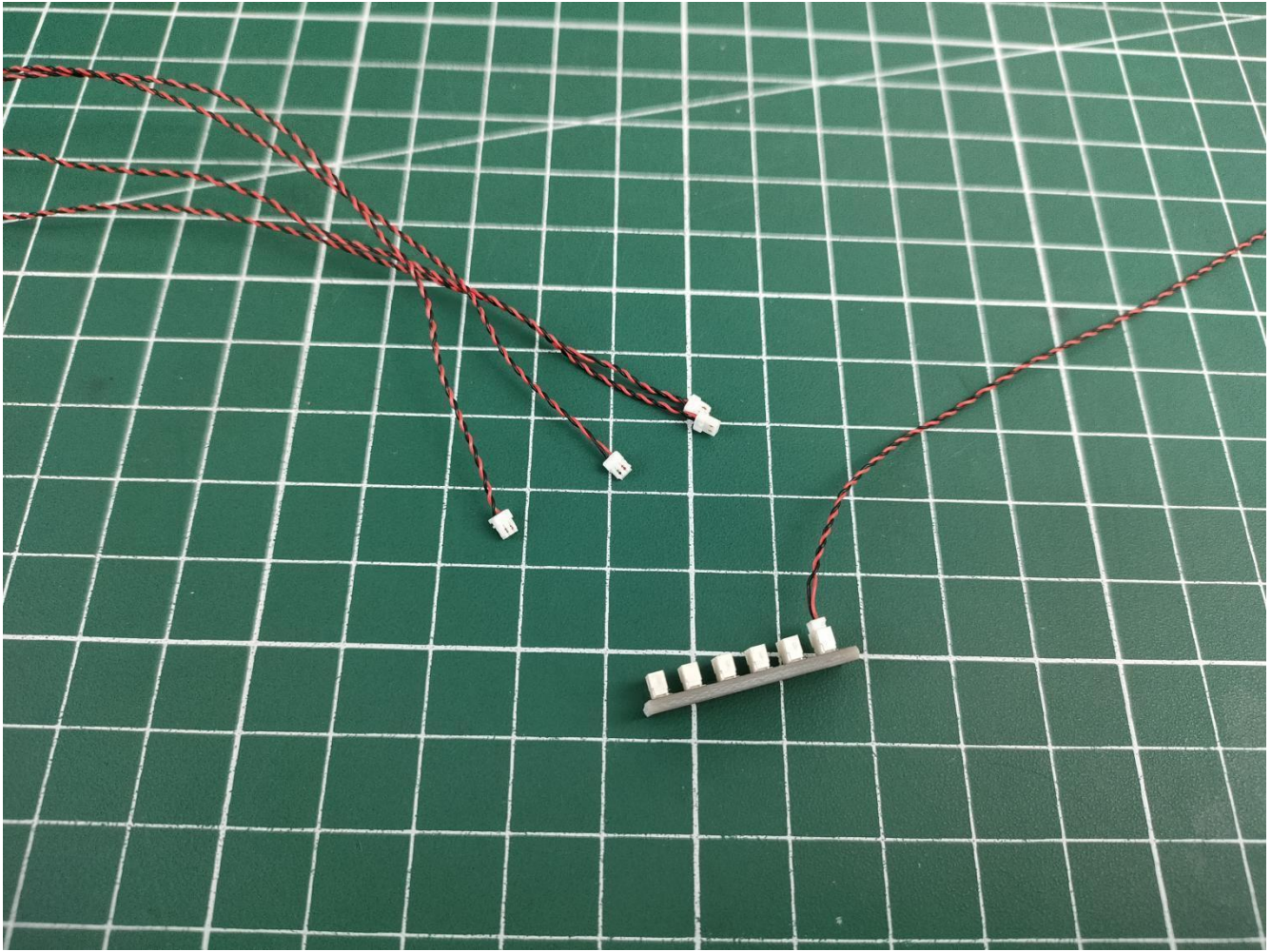








Pull out the lighting after the test is normal.

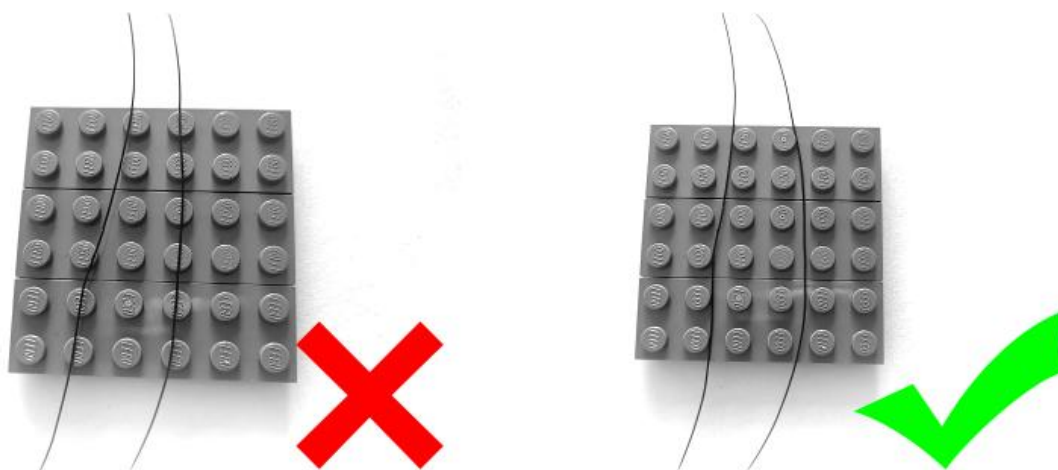


After there is no abnormality, first temporarily put the lighting back into the original bag, and prepare to test other lighting parts. In order to prevent the lighting from not bright after installation, the lighting in other bags are also tested in the same way. After testing a bag, please temporarily put it back in the original bag to avoid confusion with each other.



**Note:**

Please be careful when installing. The lamp wire is relatively slender and cannot be pressed on the raised position of the building block. It should pass along the gap, otherwise the lamp wire will be pinched.

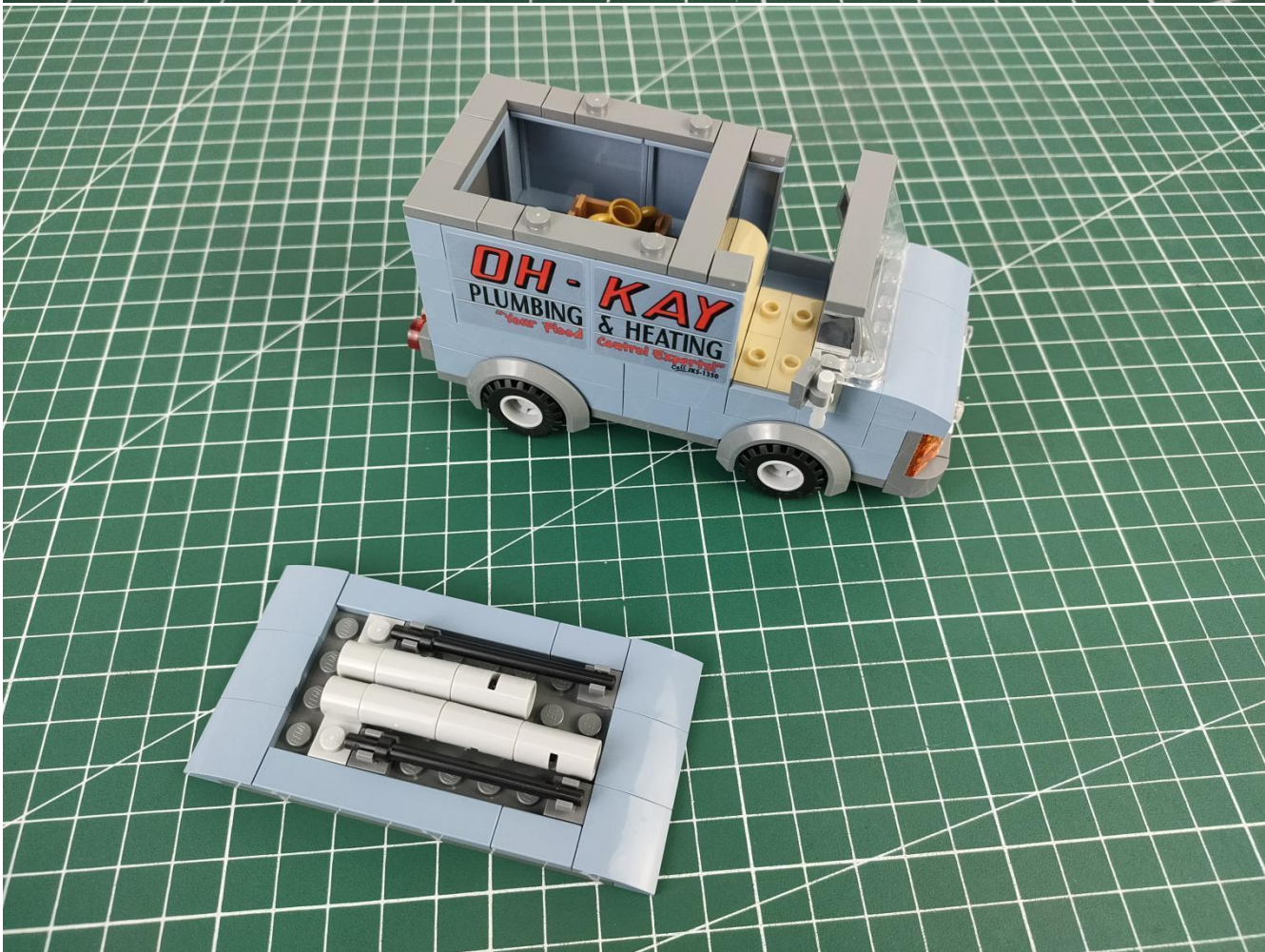




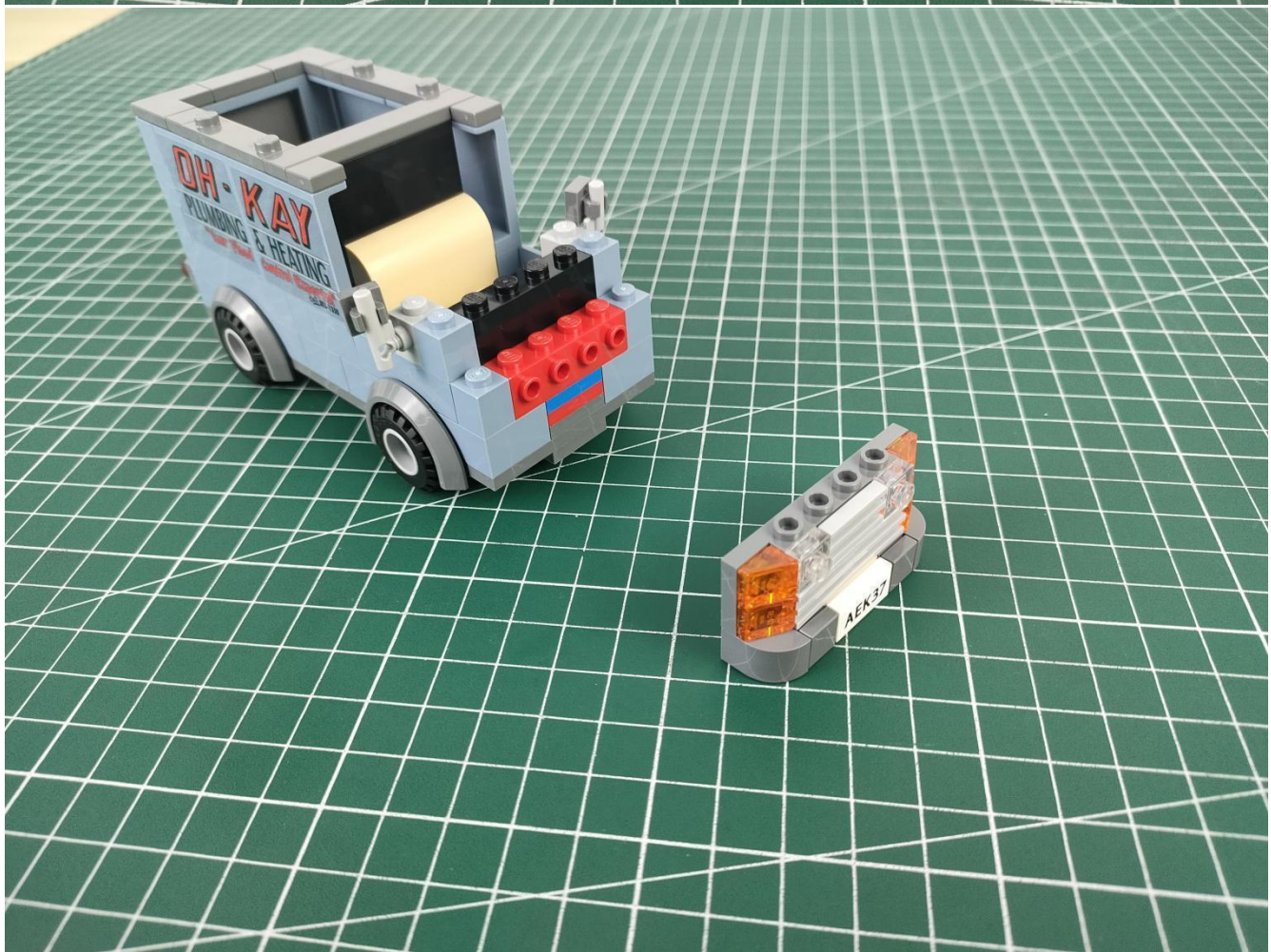
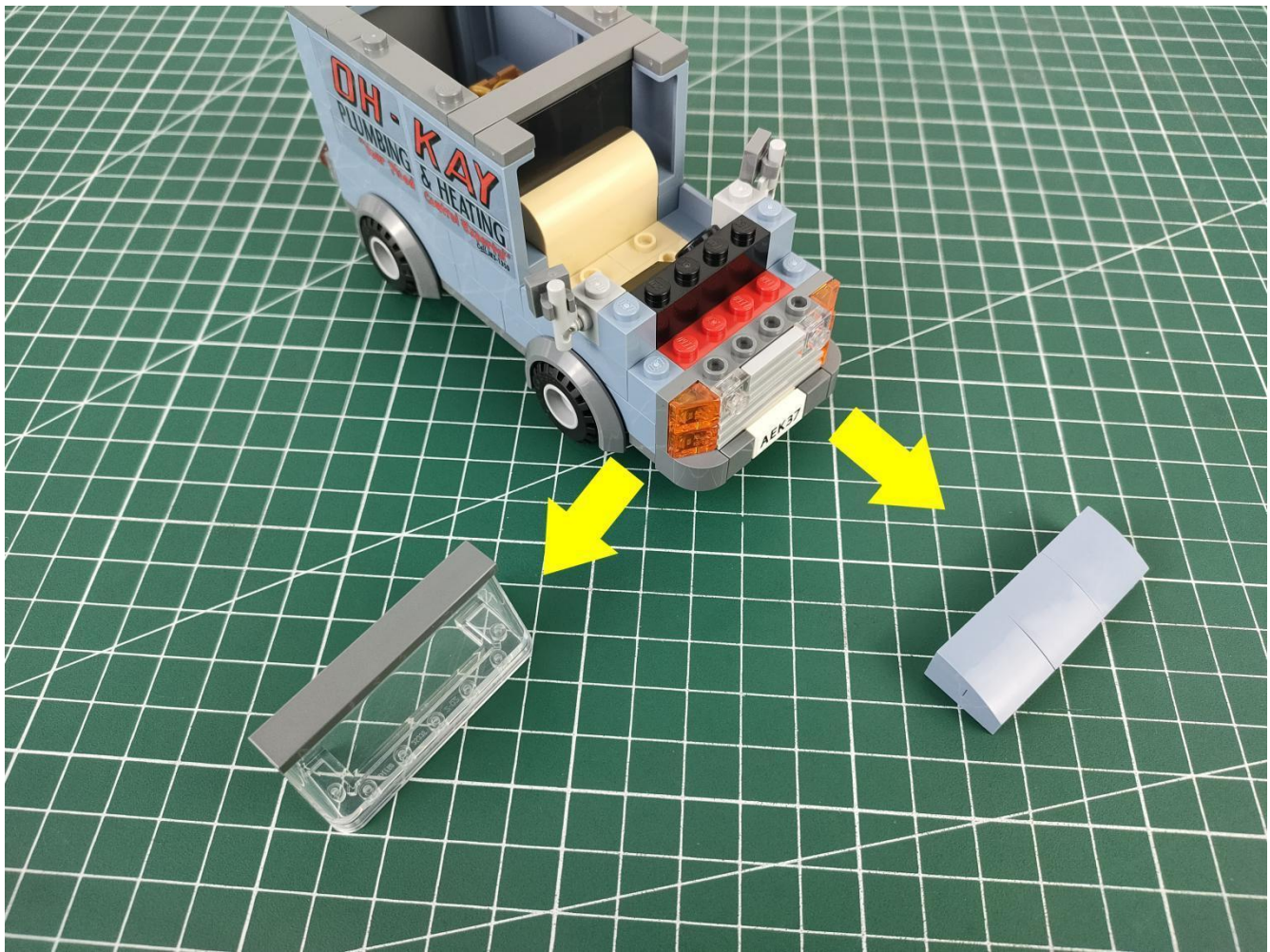
start installation:







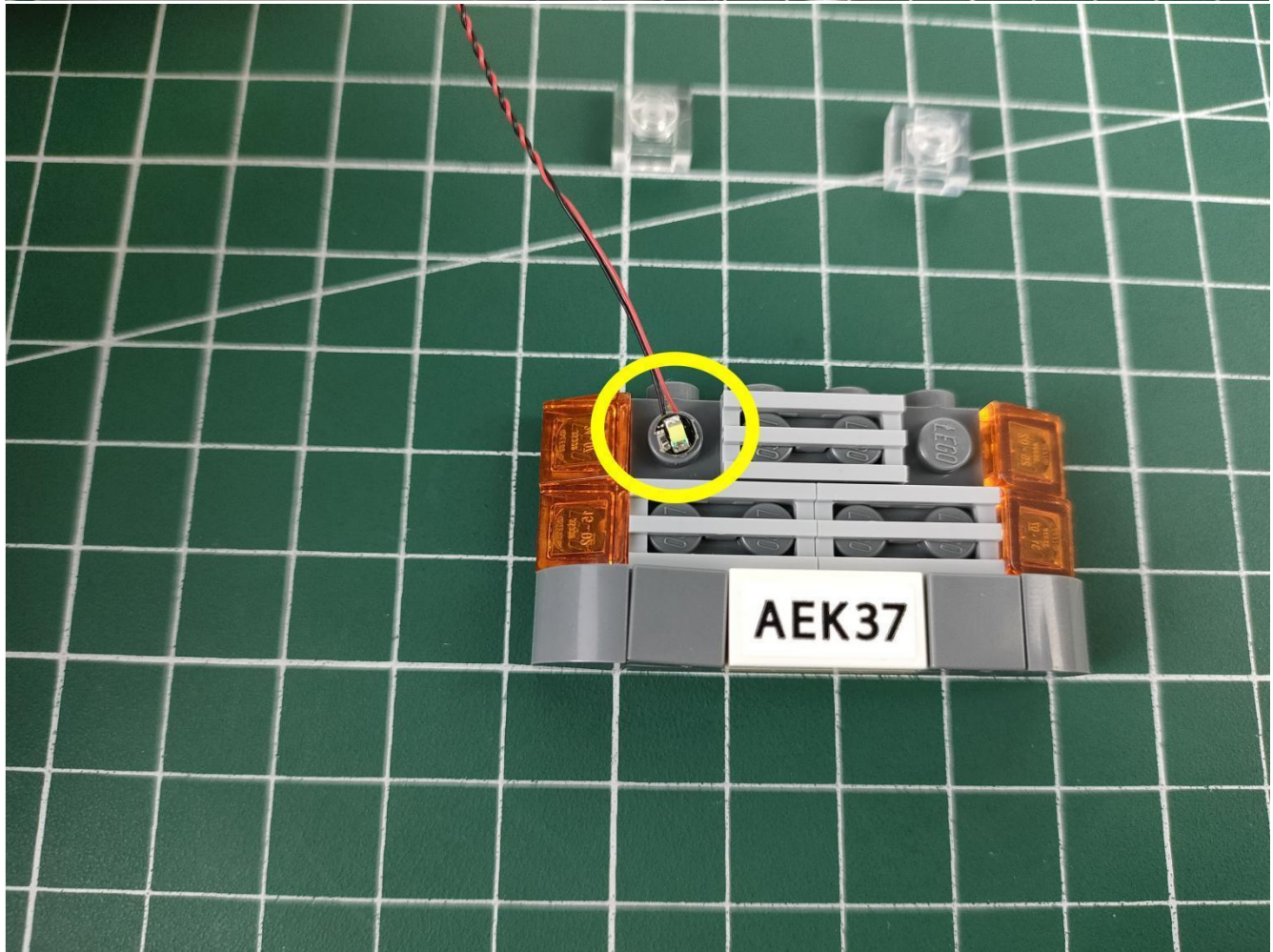






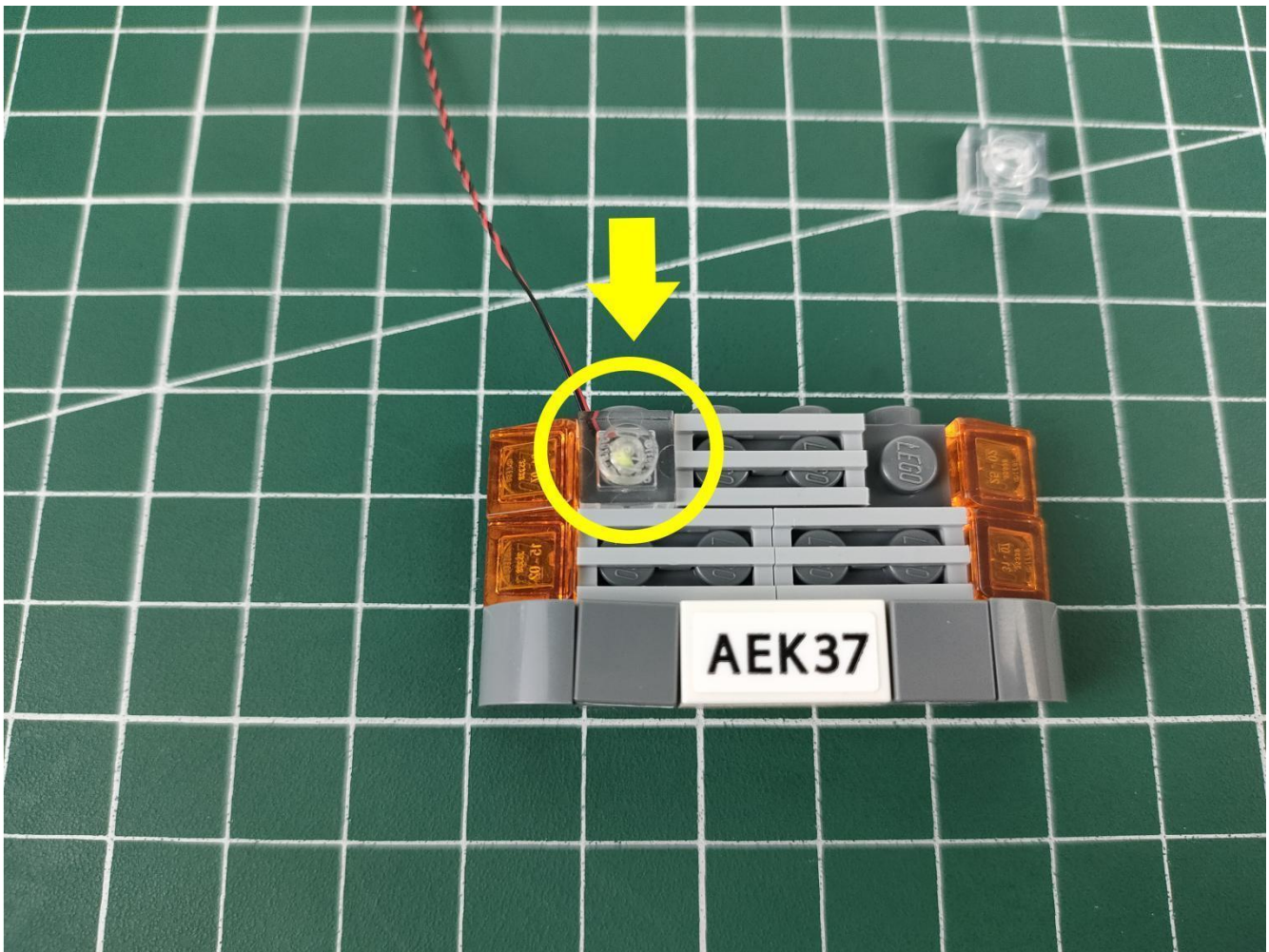




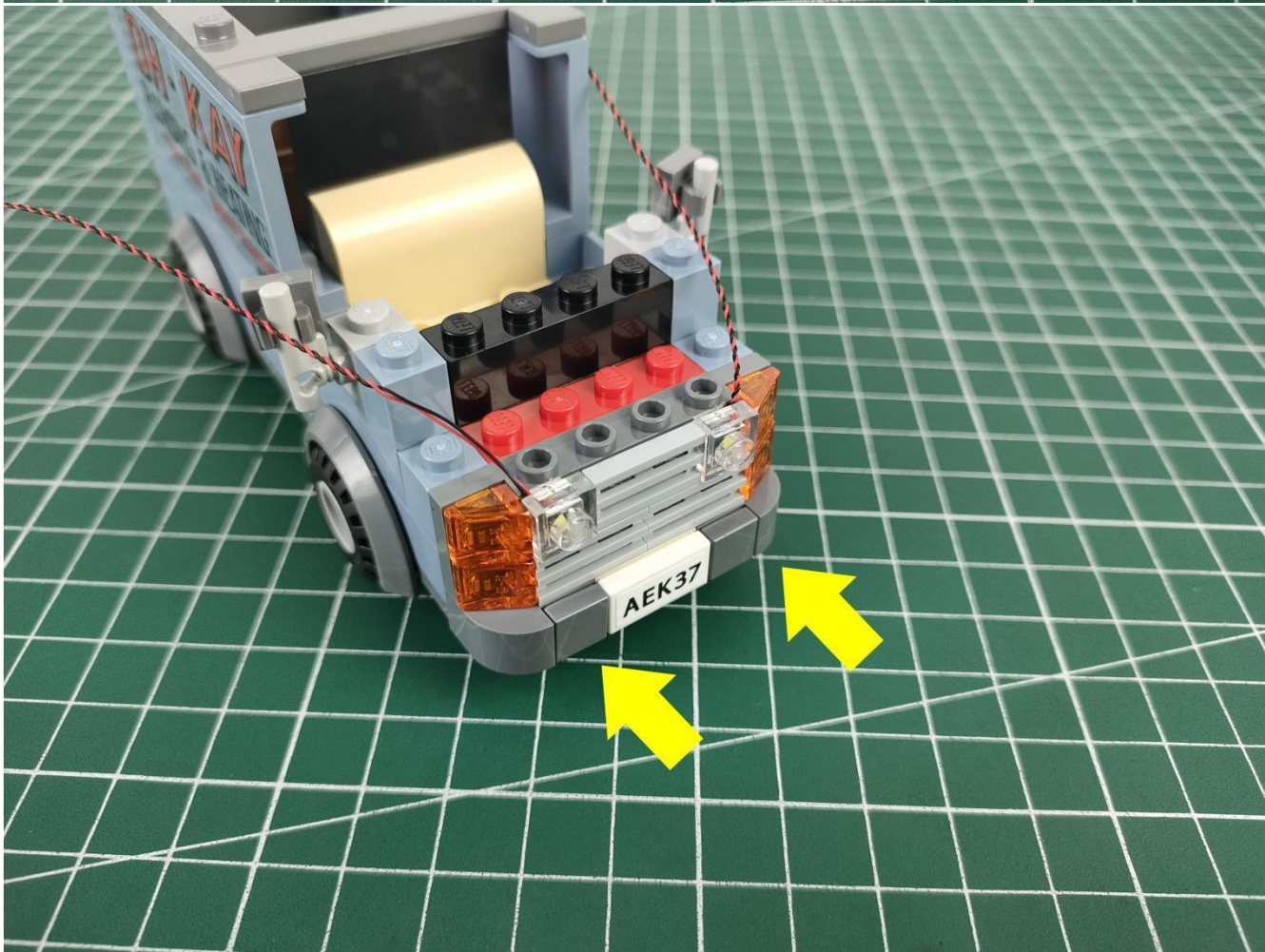
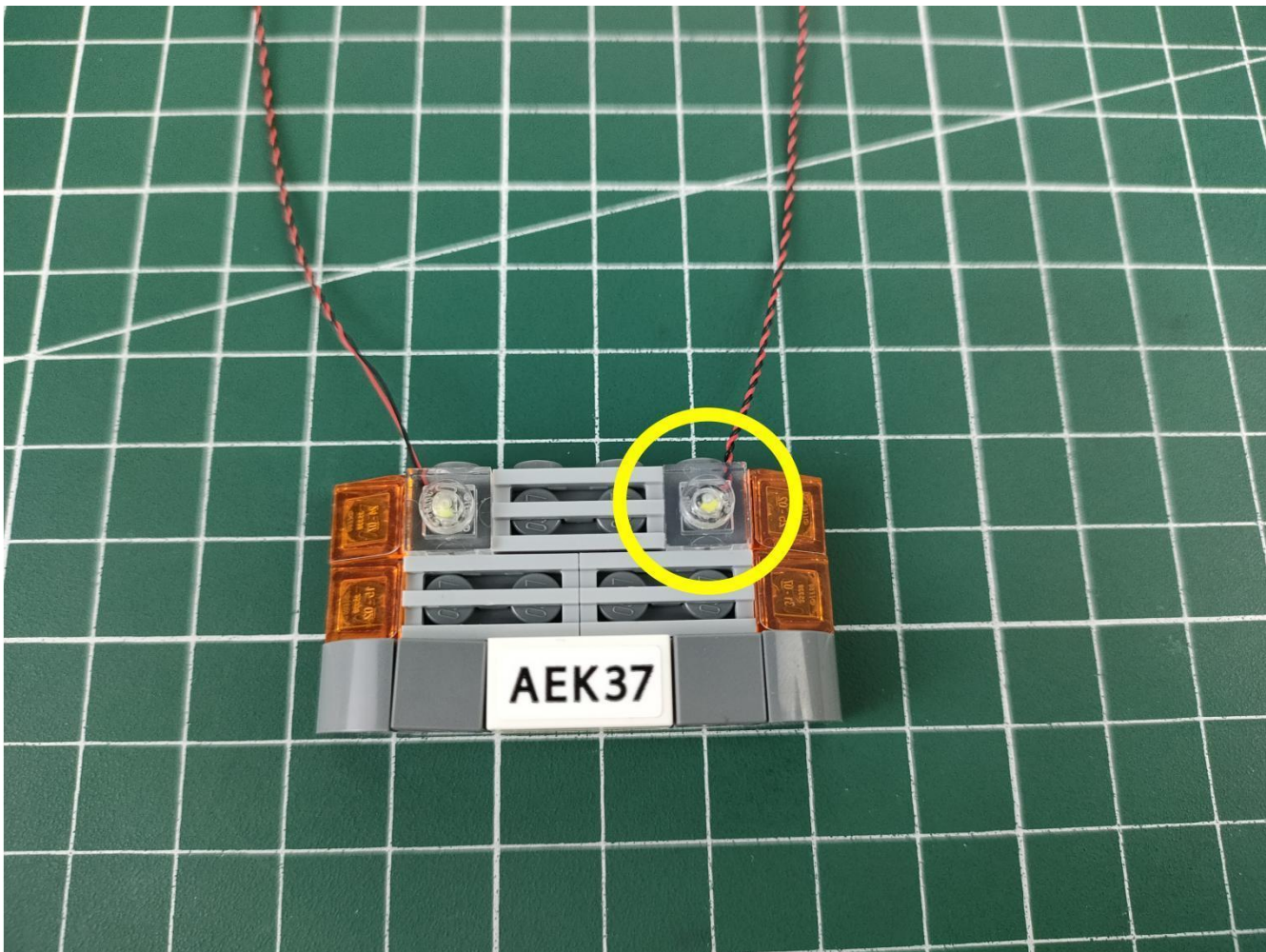




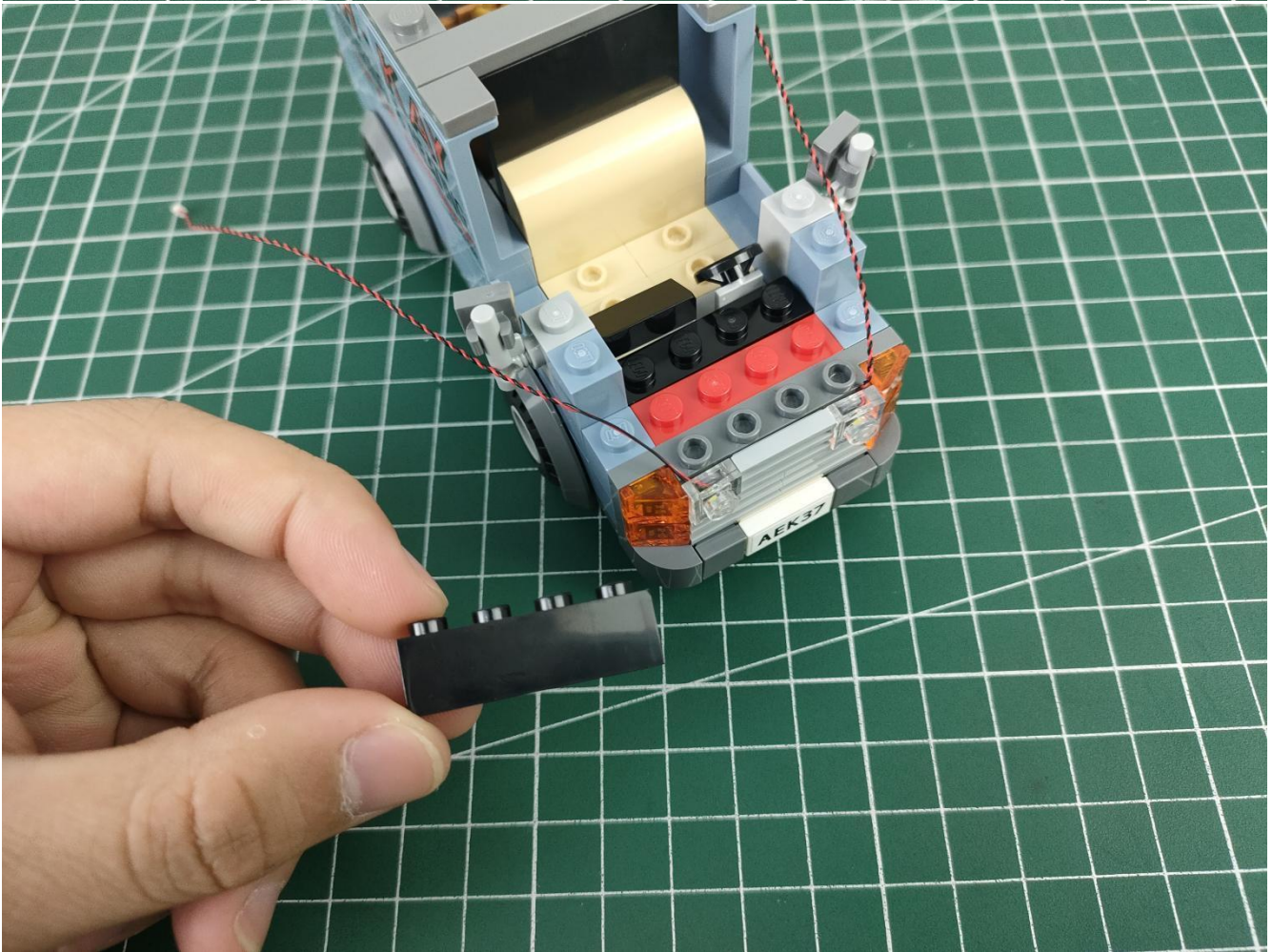
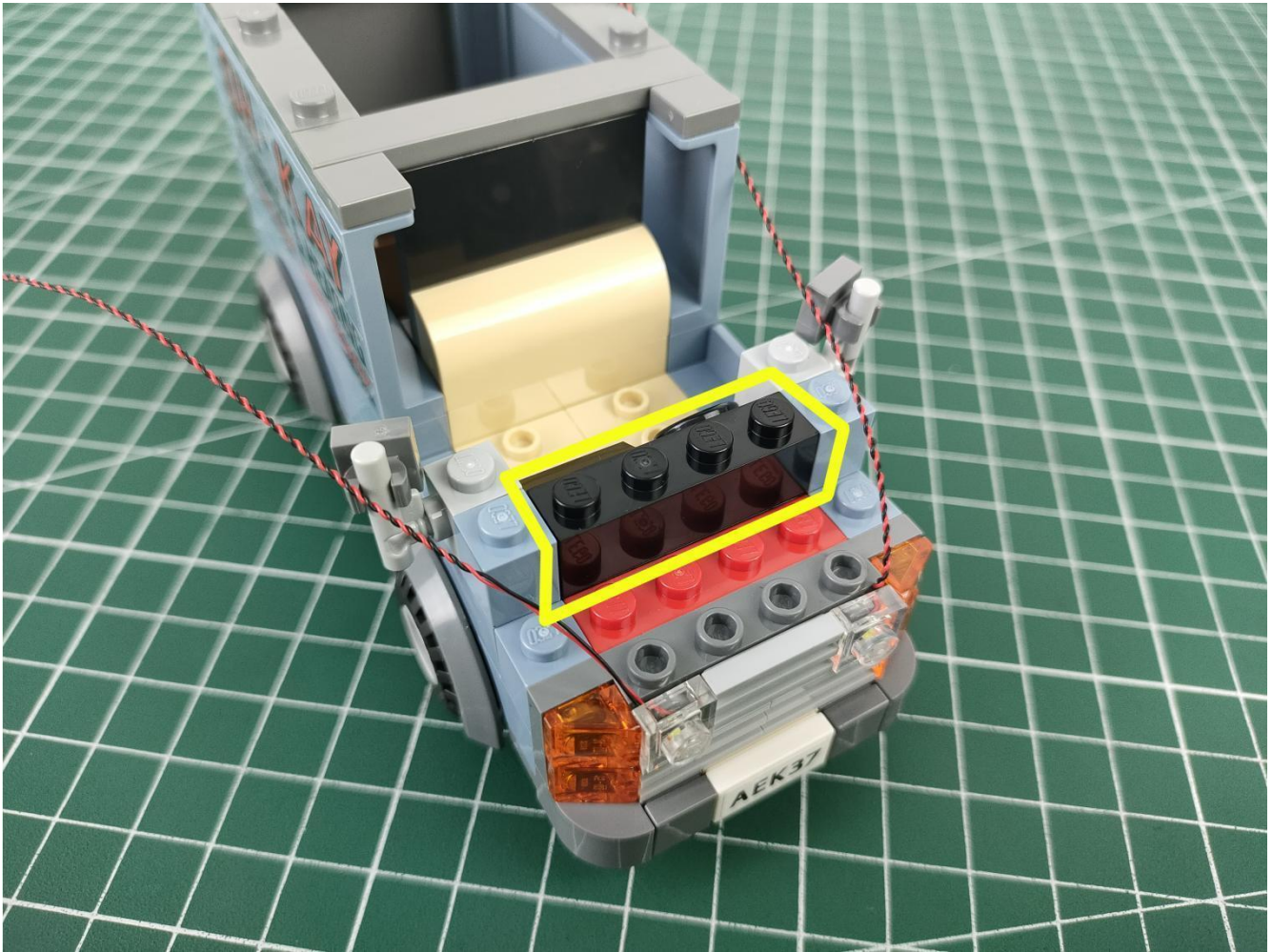
Fix the transparent building blocks on the lamp pellets. The light grain line is at the oblique angle of the square building block.







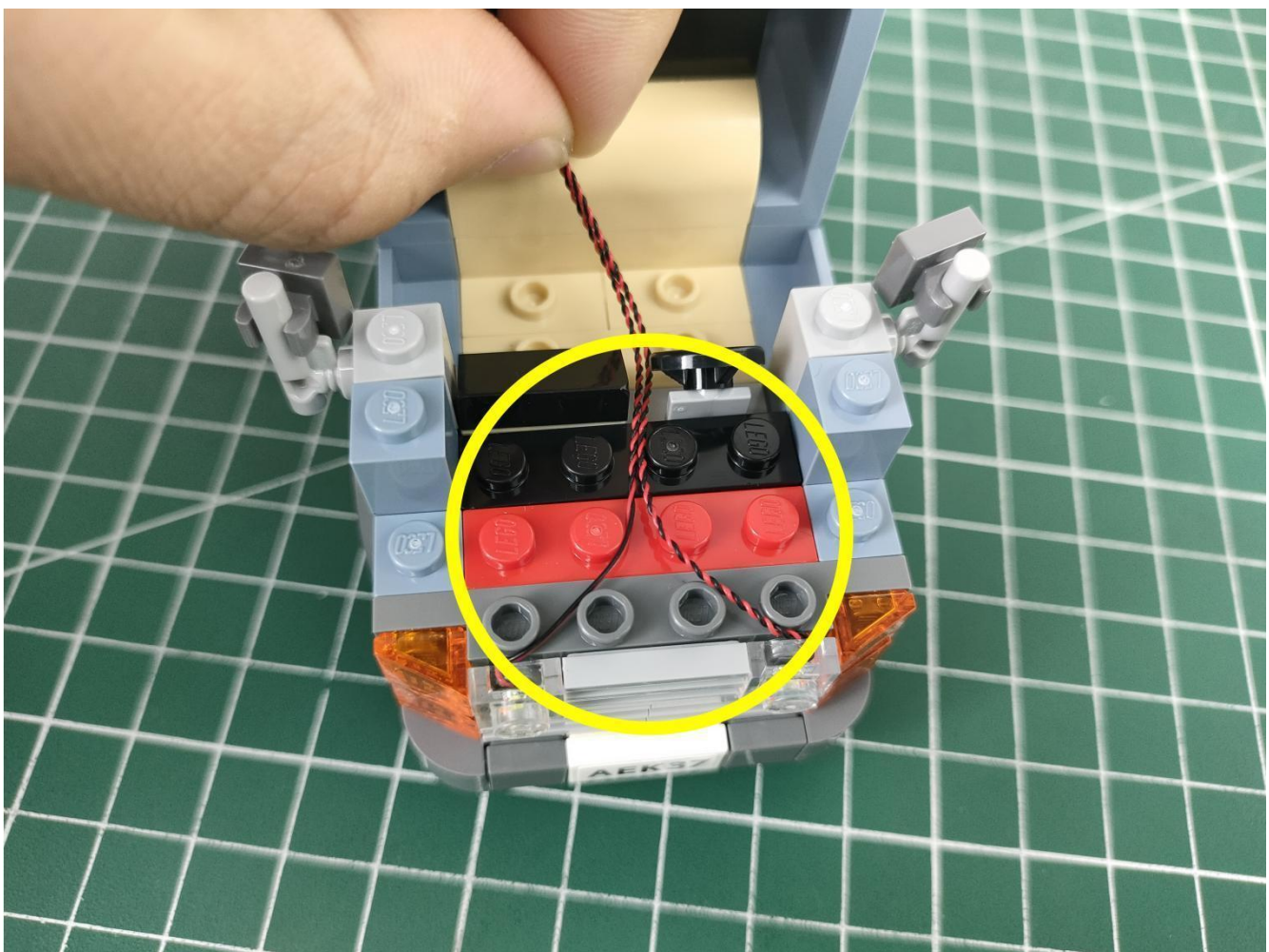
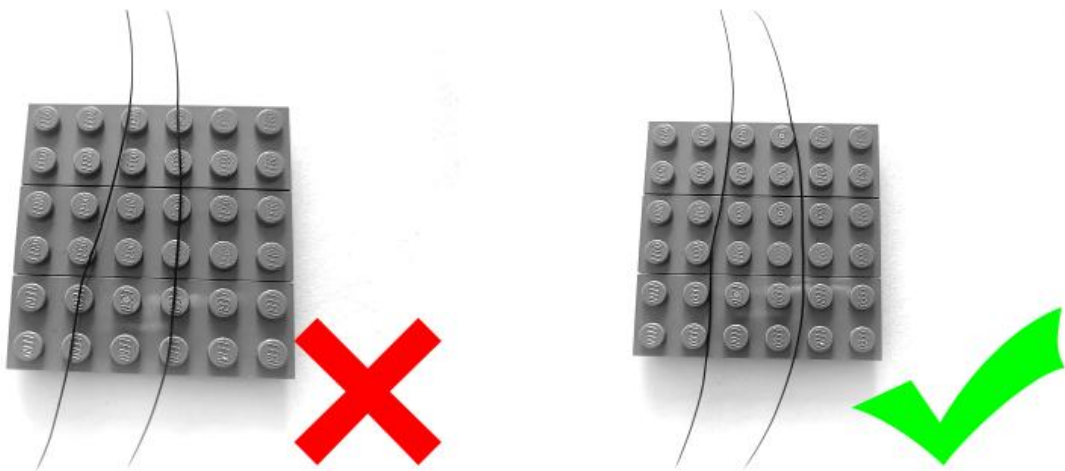




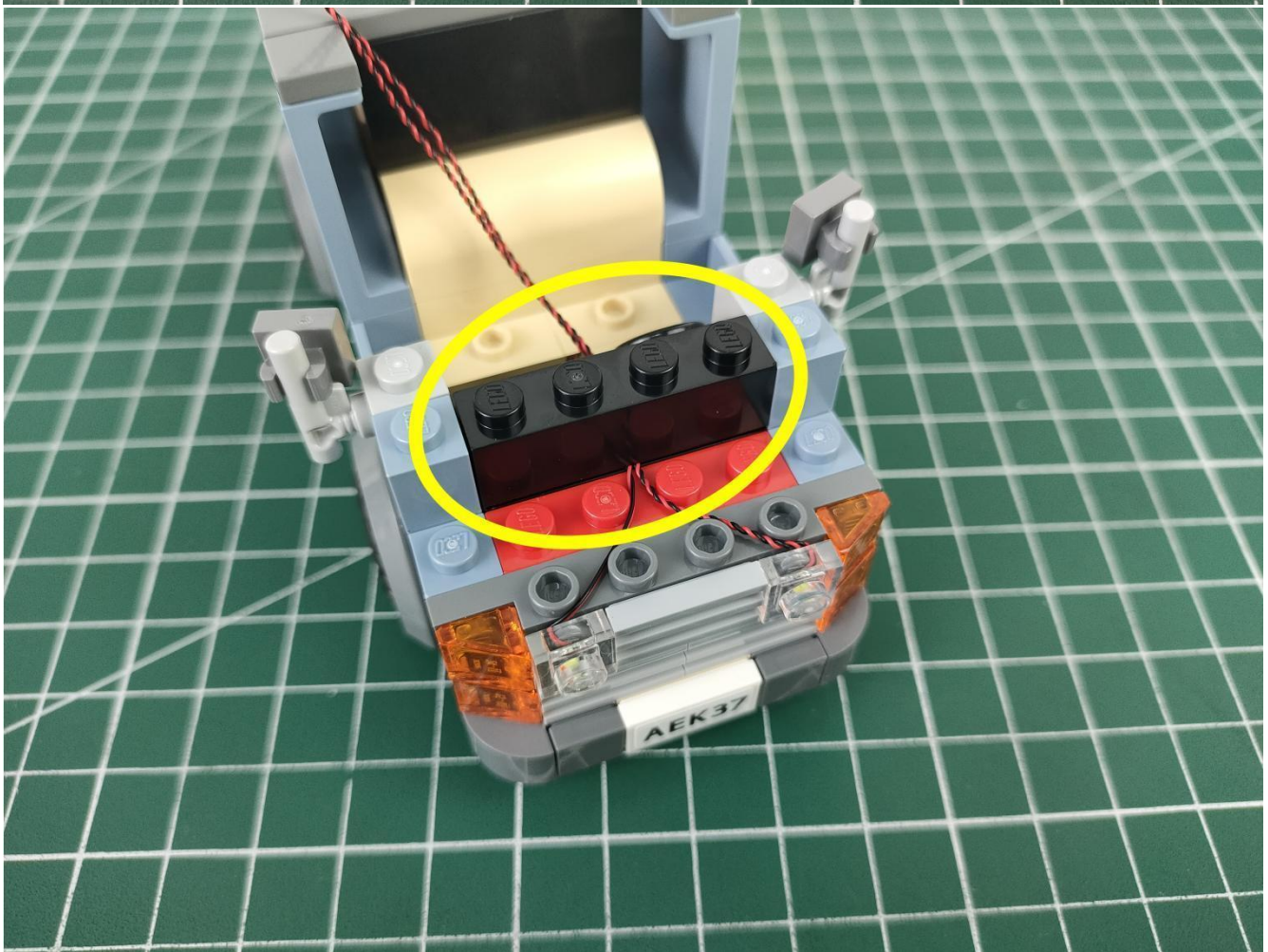


**Note:**

Please be careful when installing. The lamp wire is relatively slender and cannot be pressed on the raised position of the building block. It should pass along the gap, otherwise the lamp wire will be pinched.



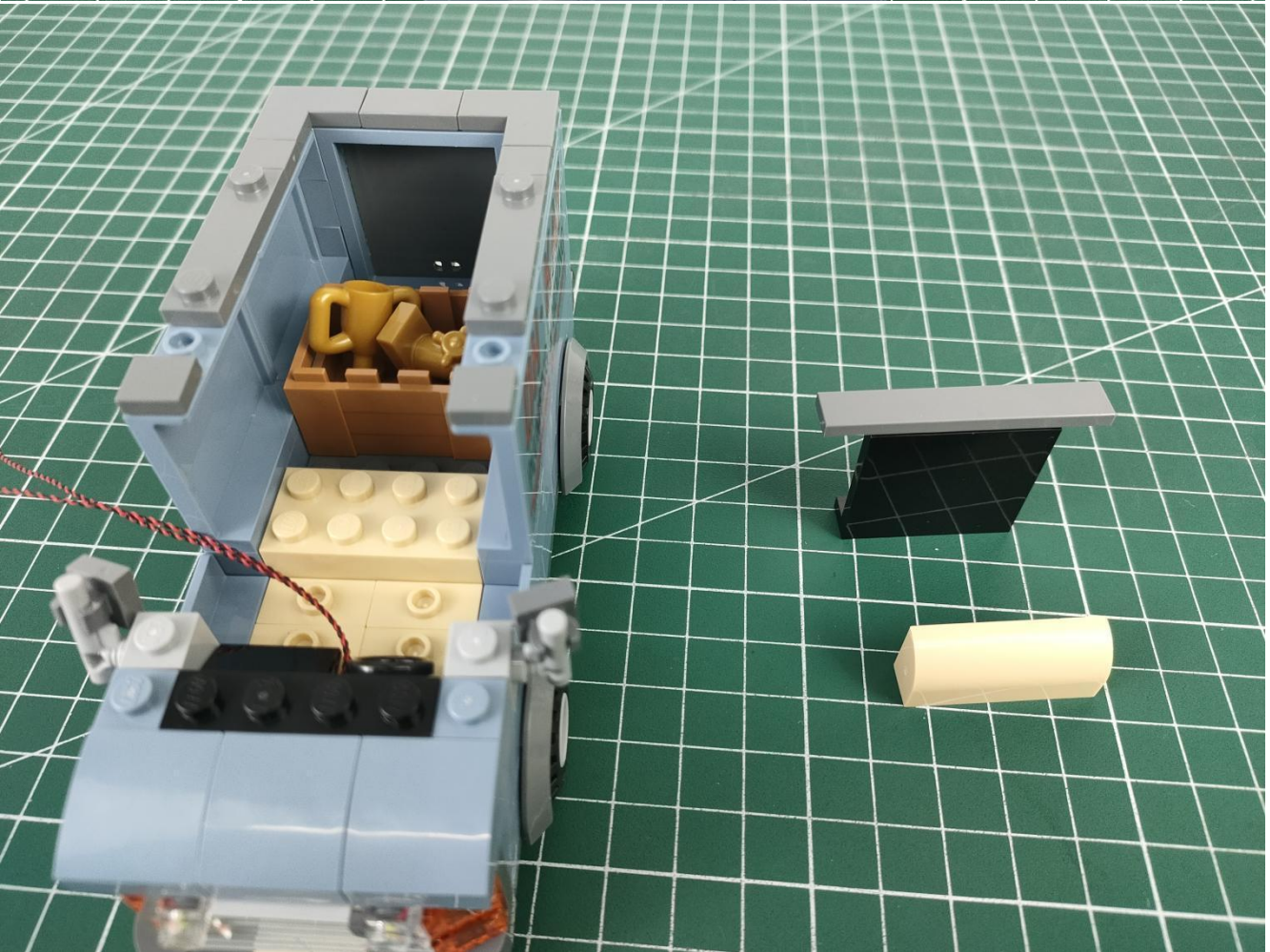
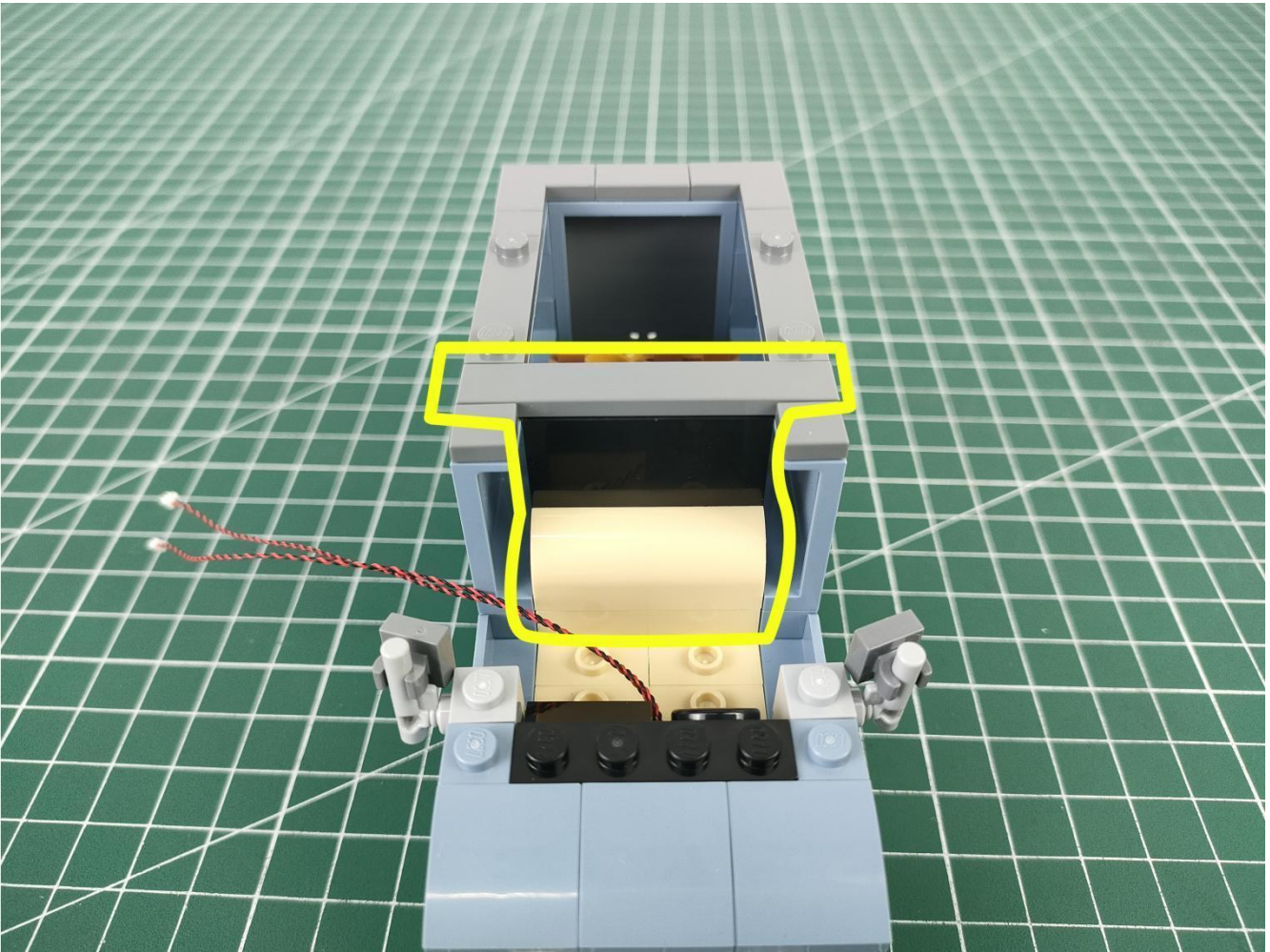




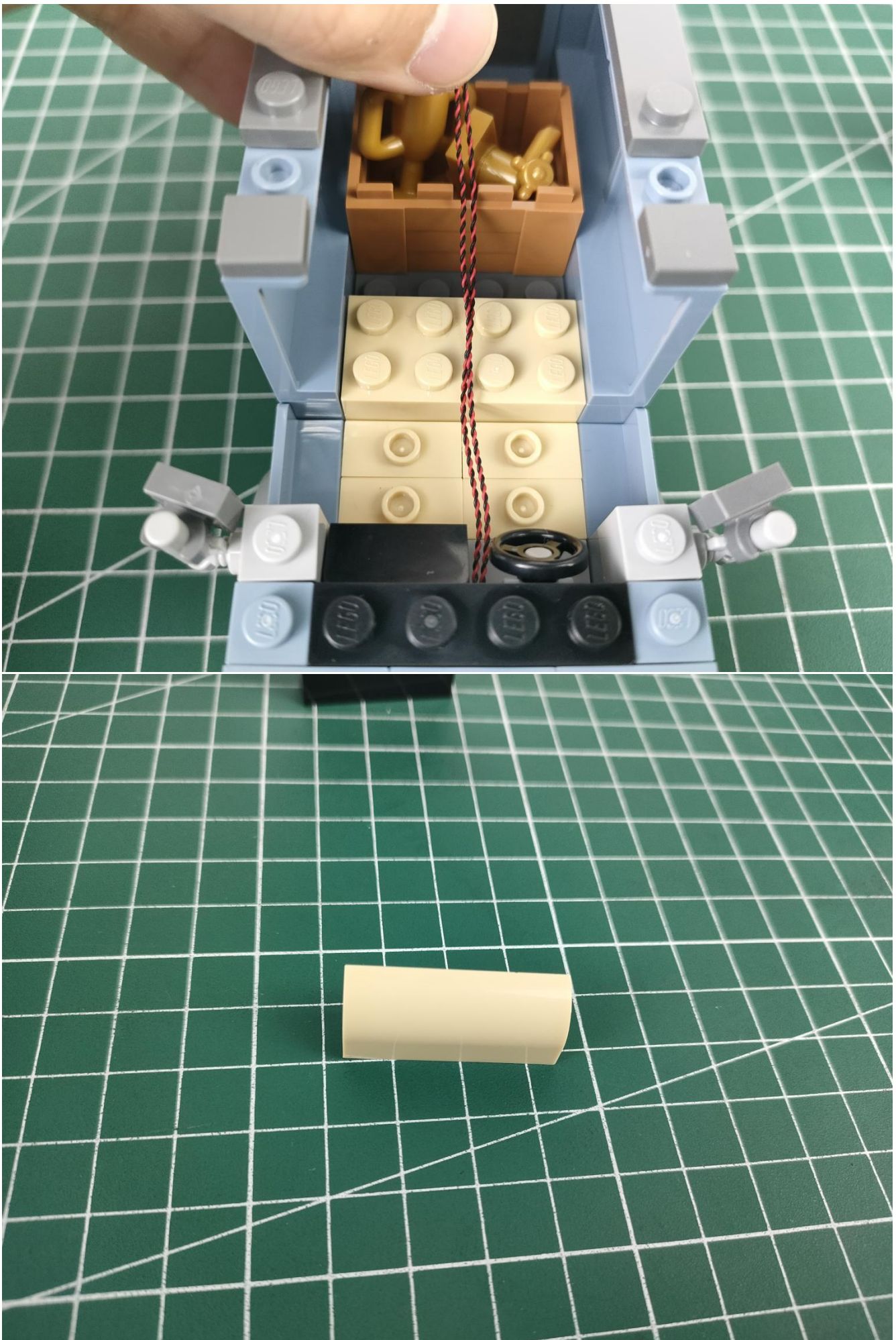




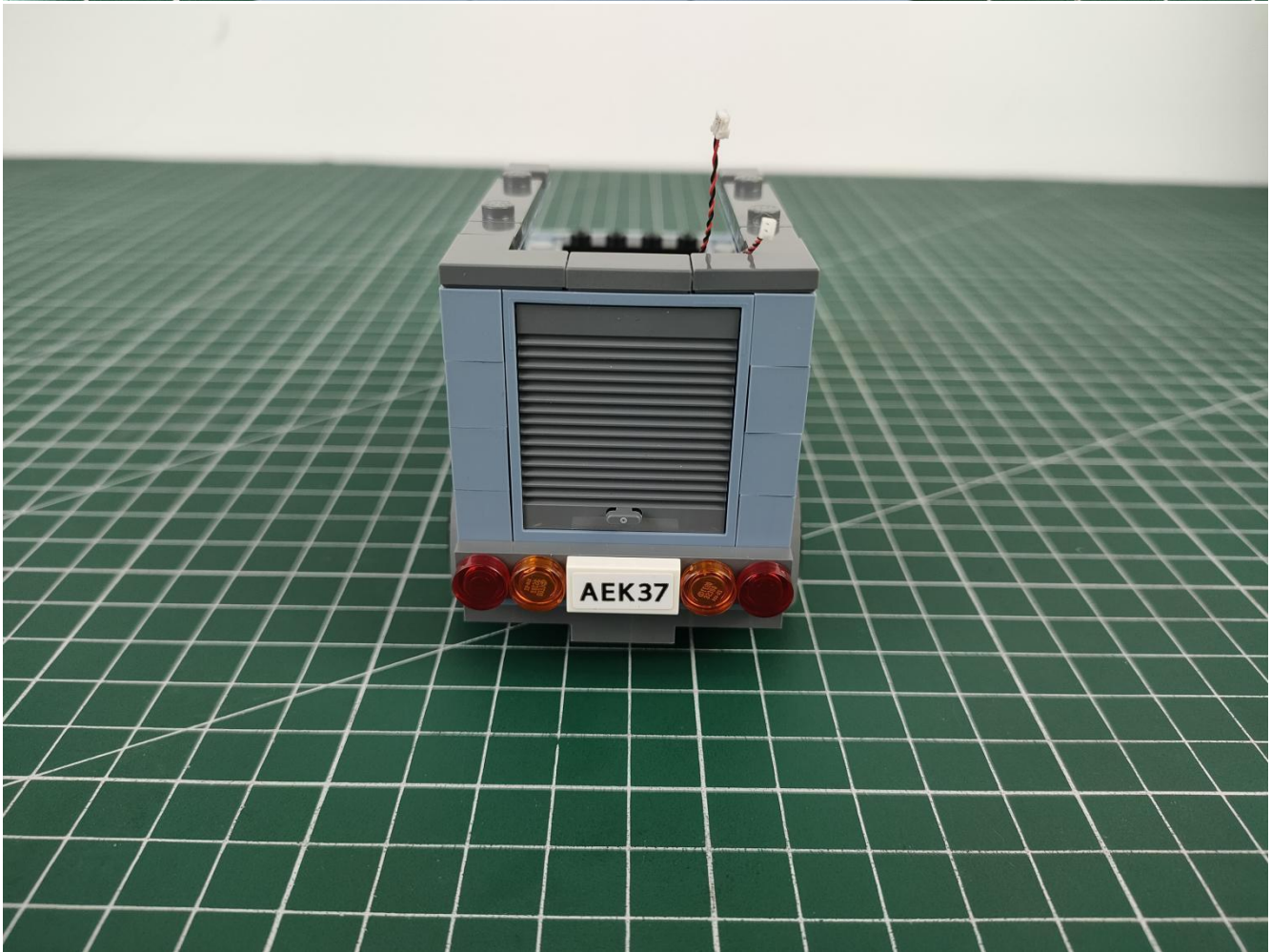
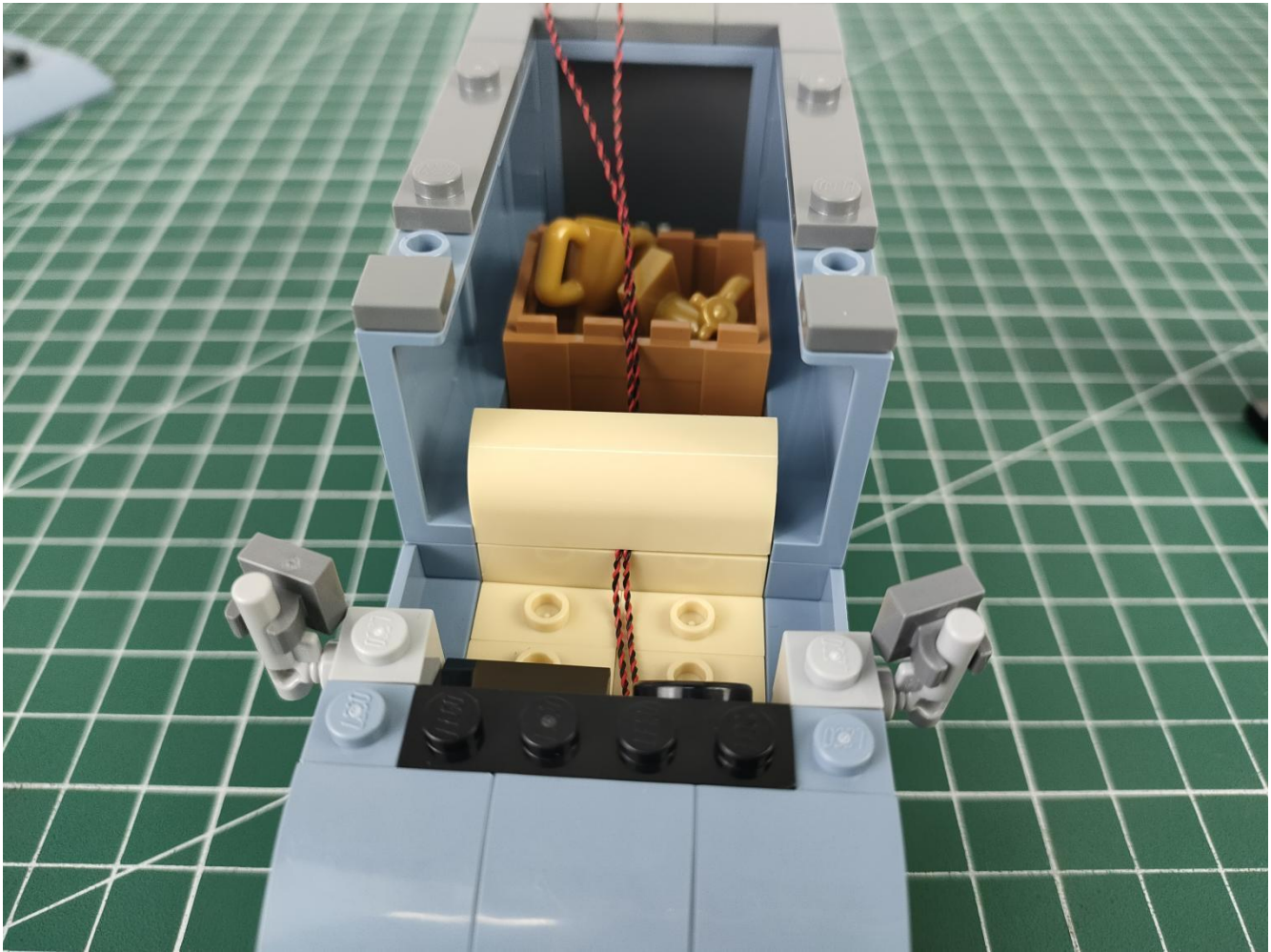




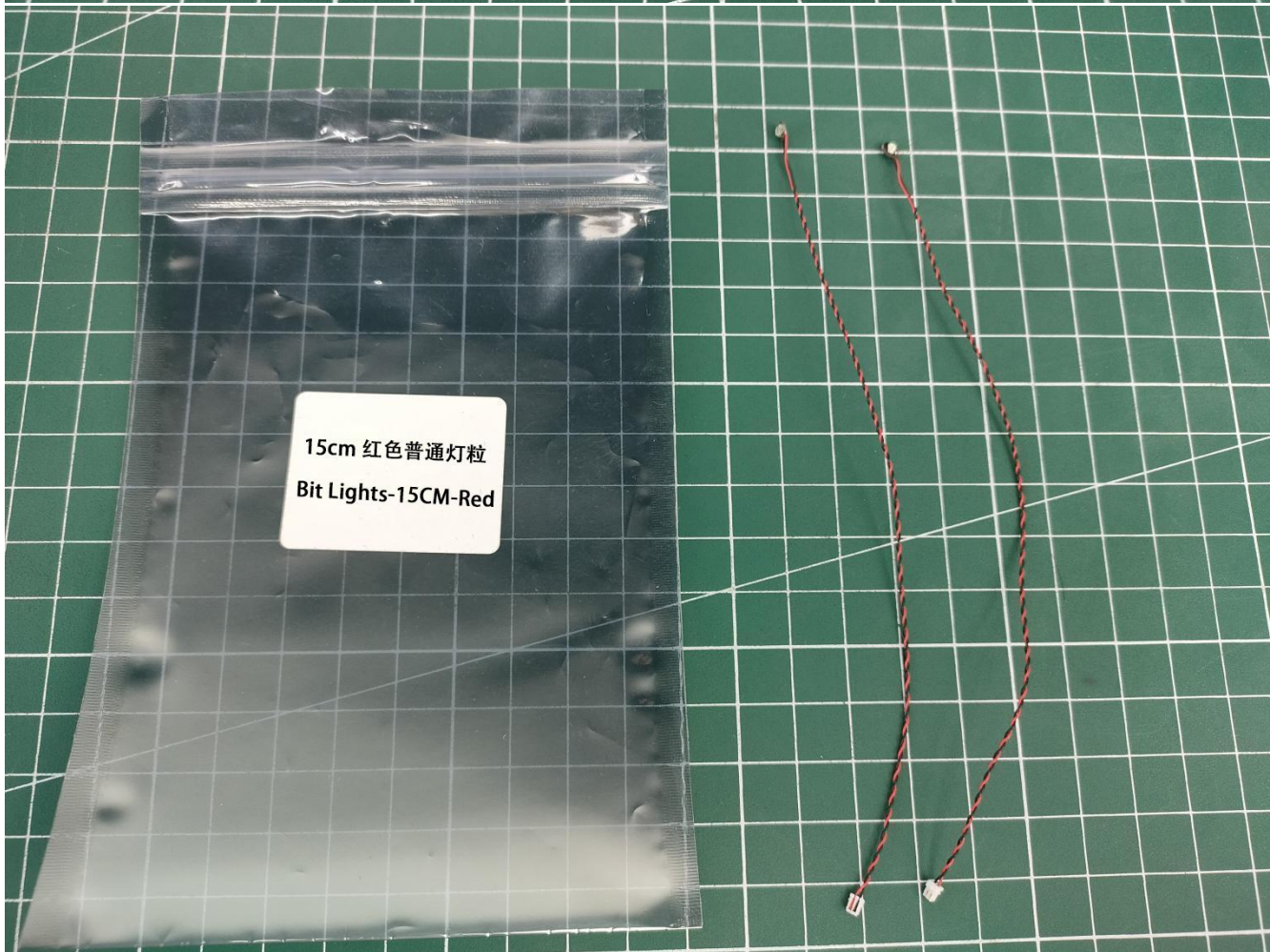
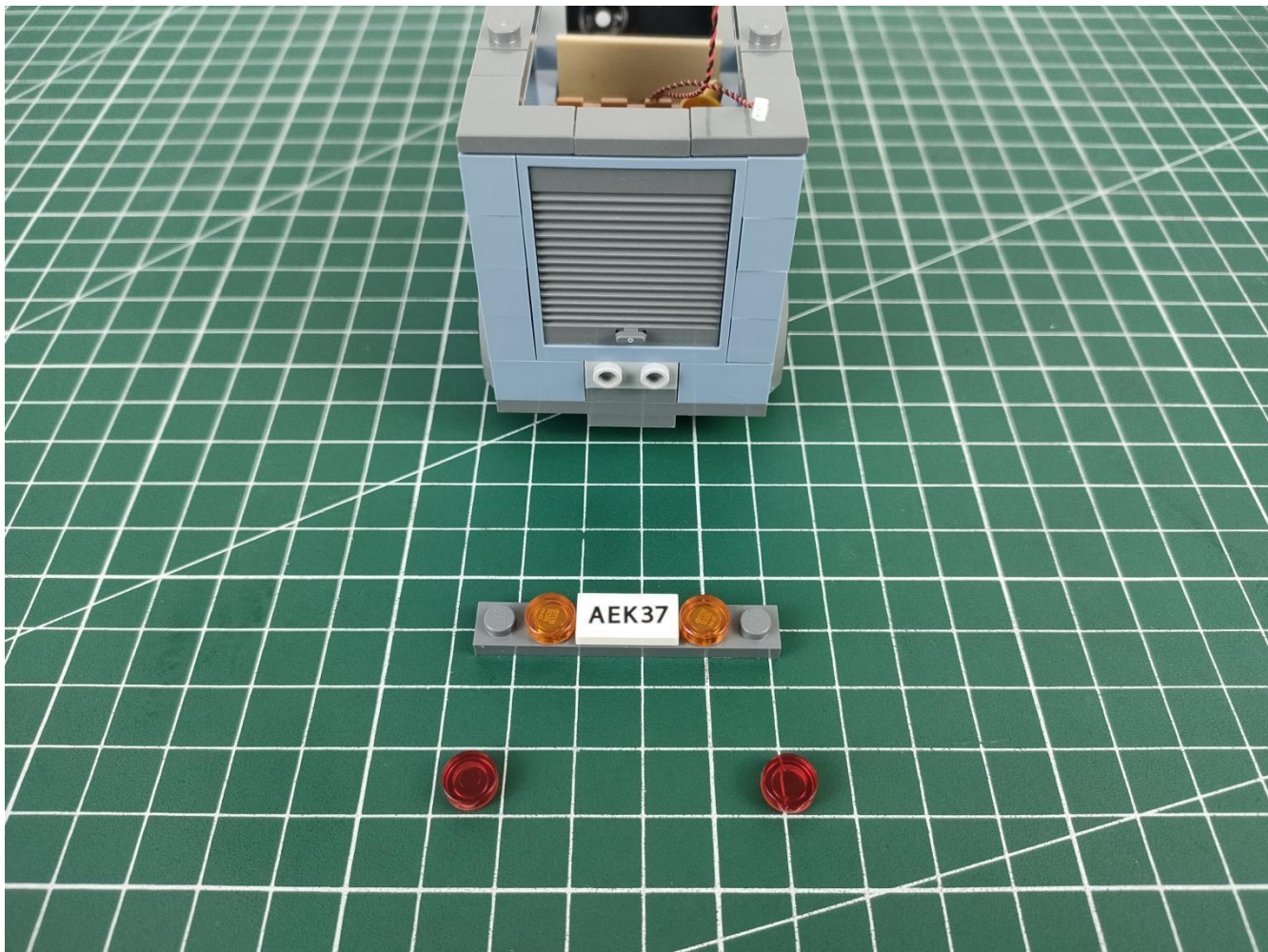




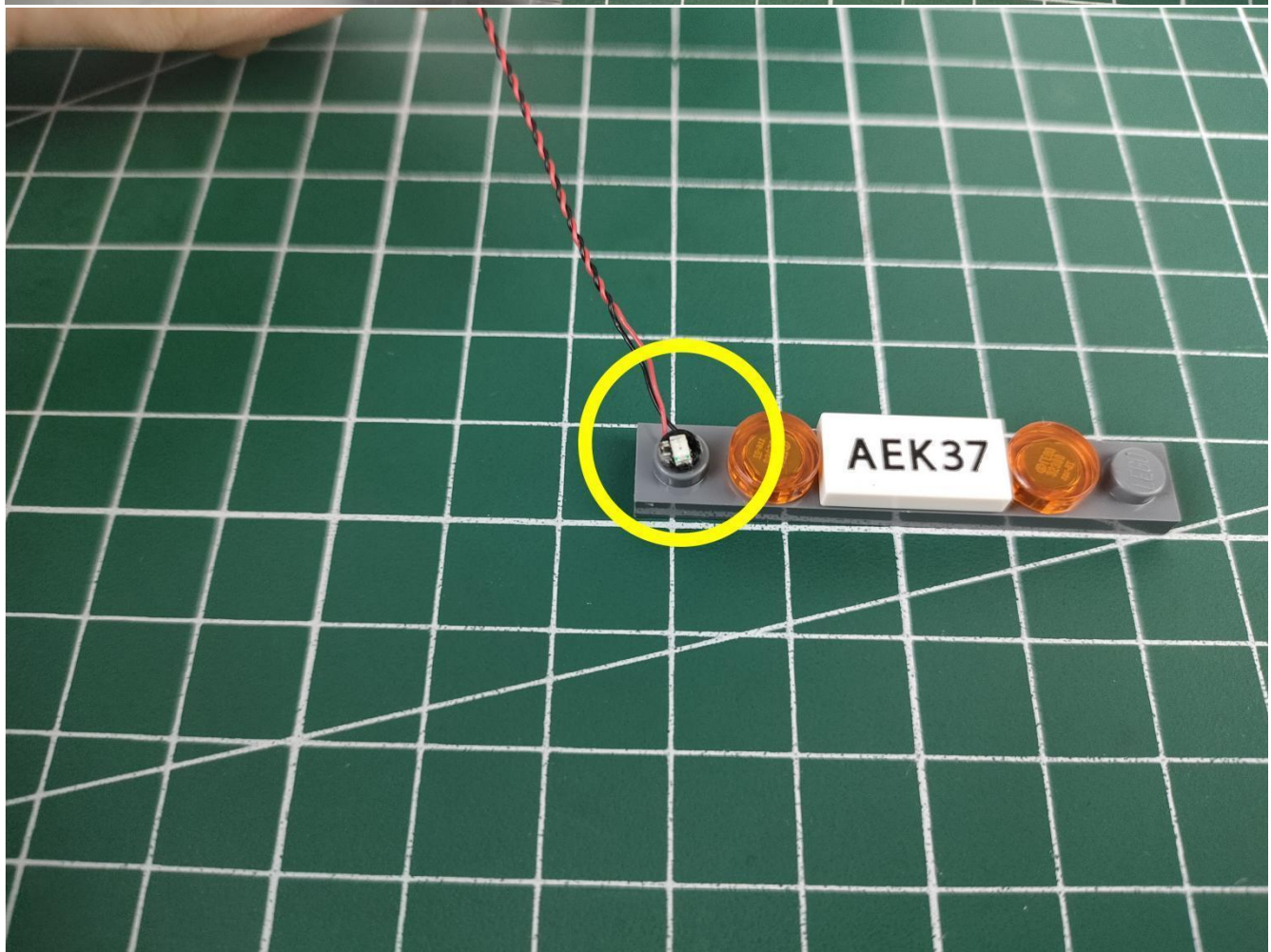














# Tips

The plate without slit:

## The plate without slit:

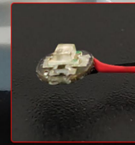
The squeeze causes the protective layer of the wire to be torn apart, the positive and negative wires touch together, and the set is short-circuited and the hot or wire is crushed, the wire to be disconnected and don't work.



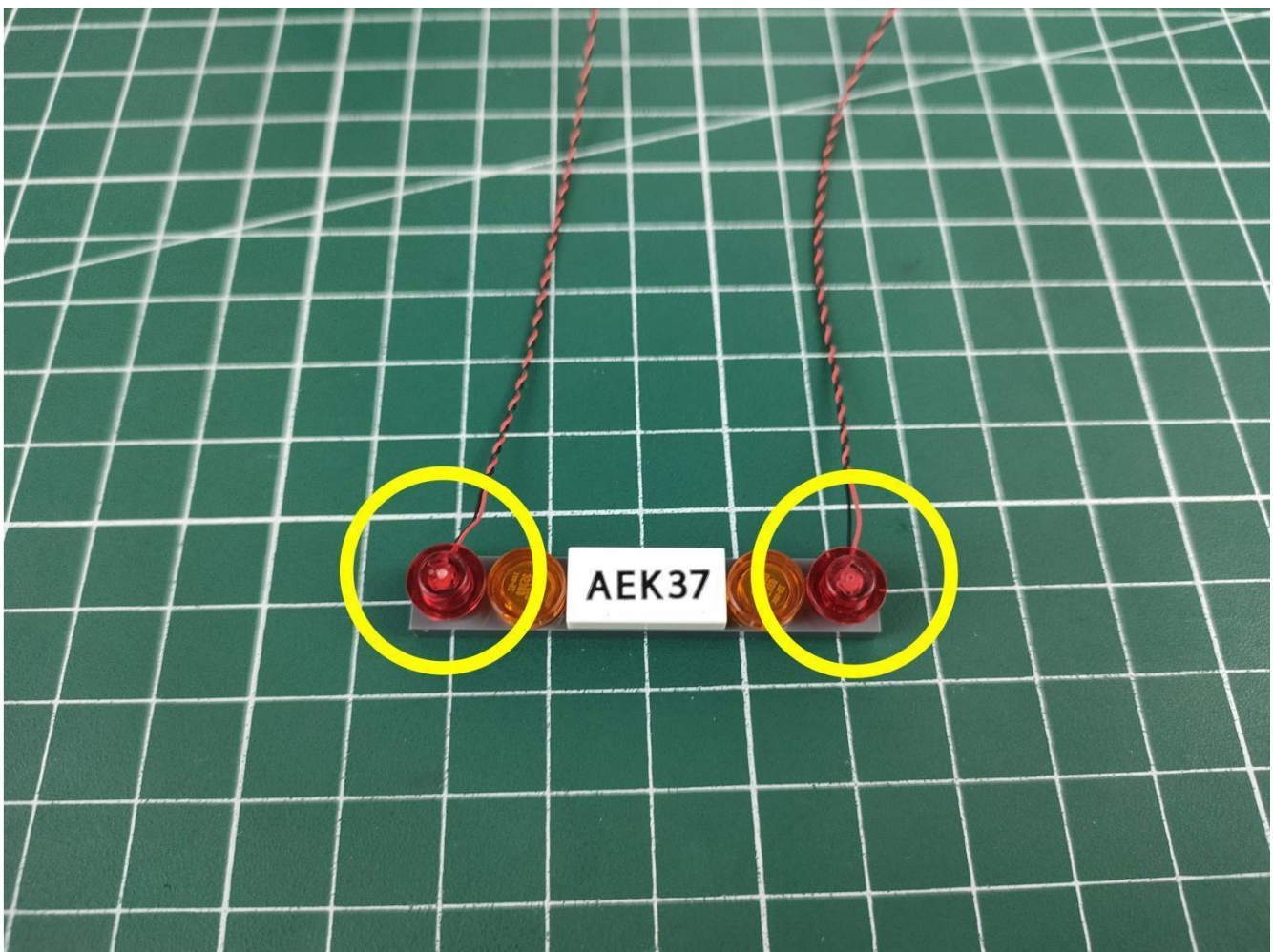
The plate with slit:

## The plate with slit:

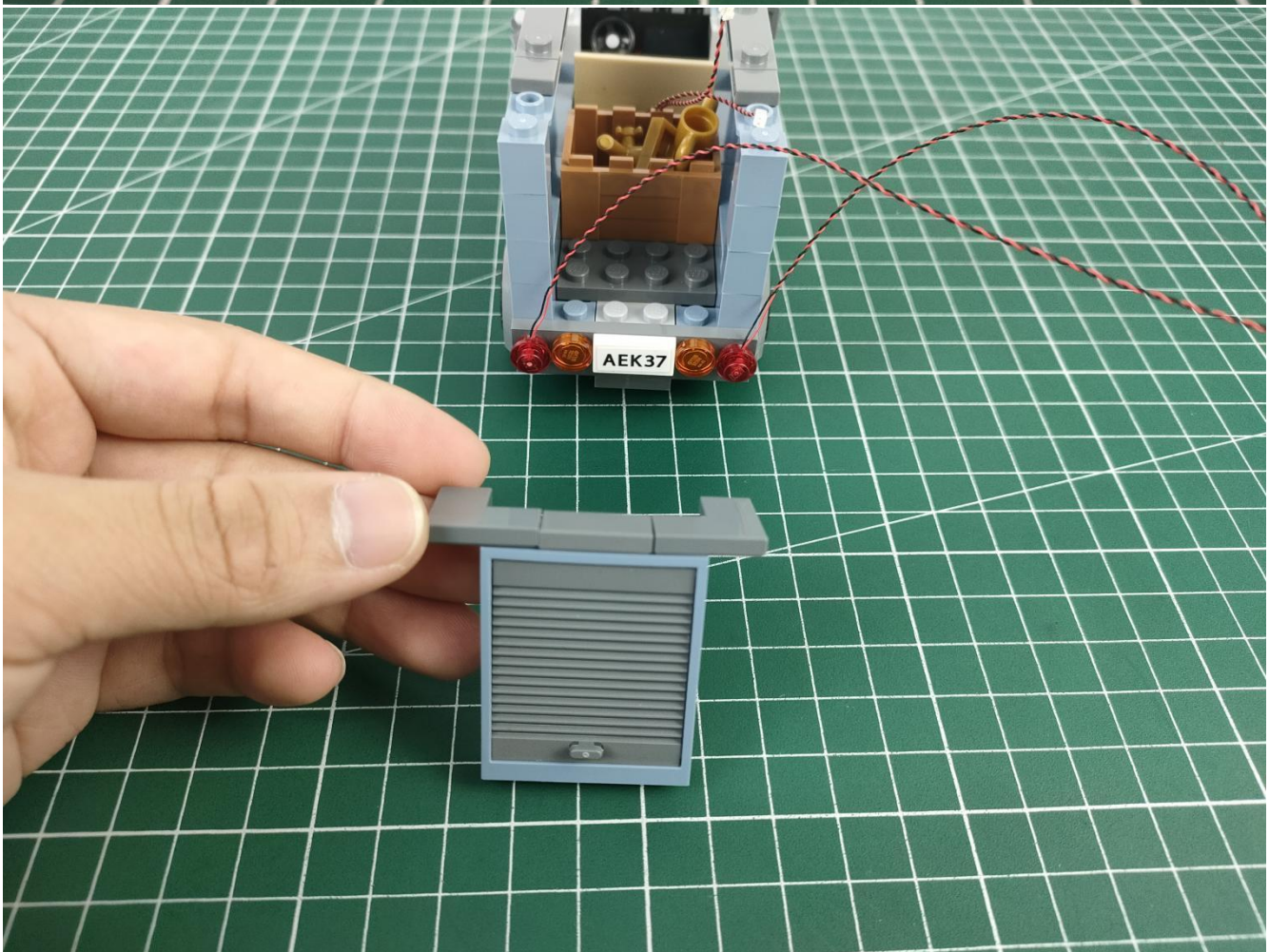
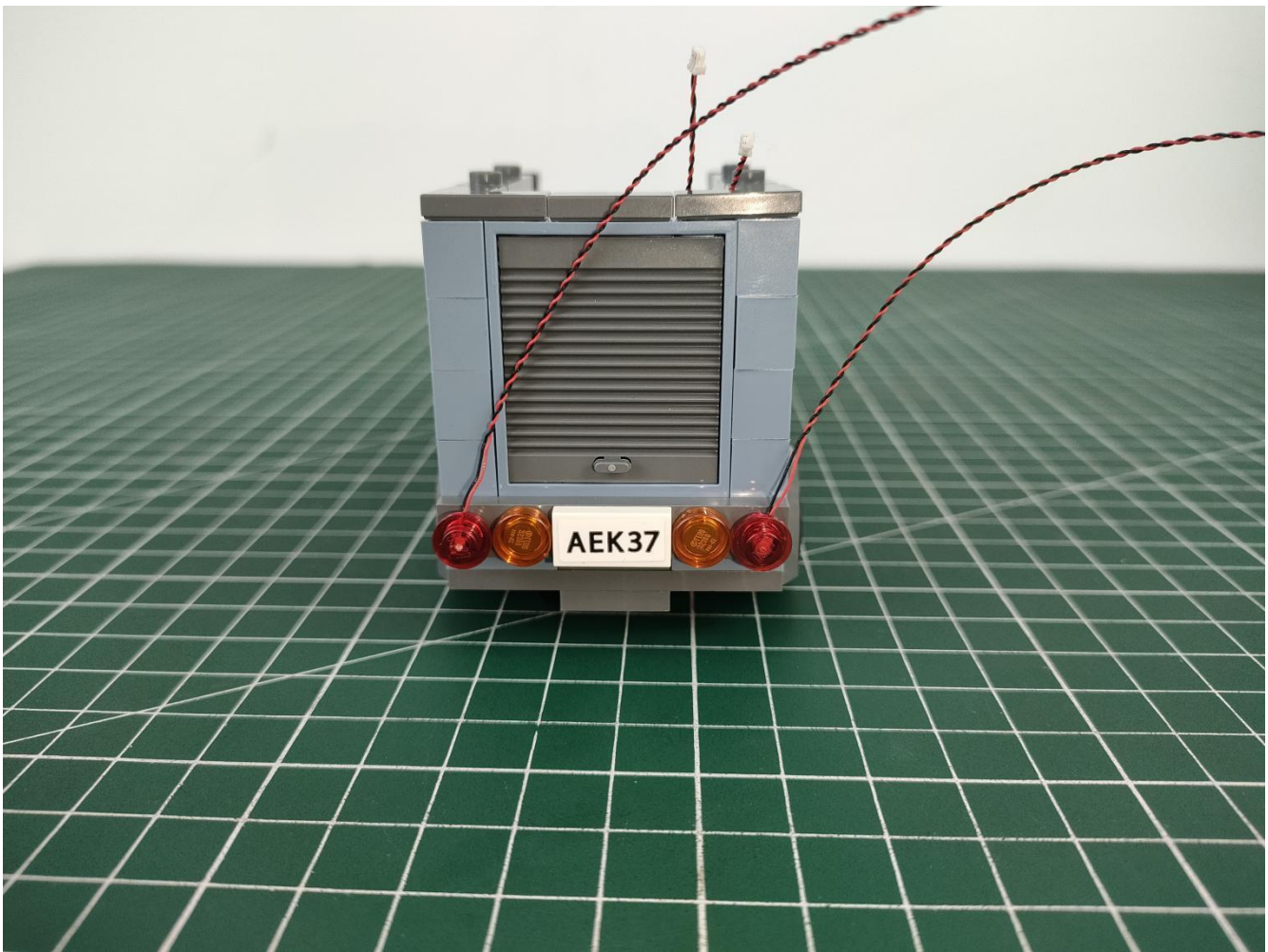
The wire has enough space to avoid being squeezed endowed with longer service life and more stable effect.



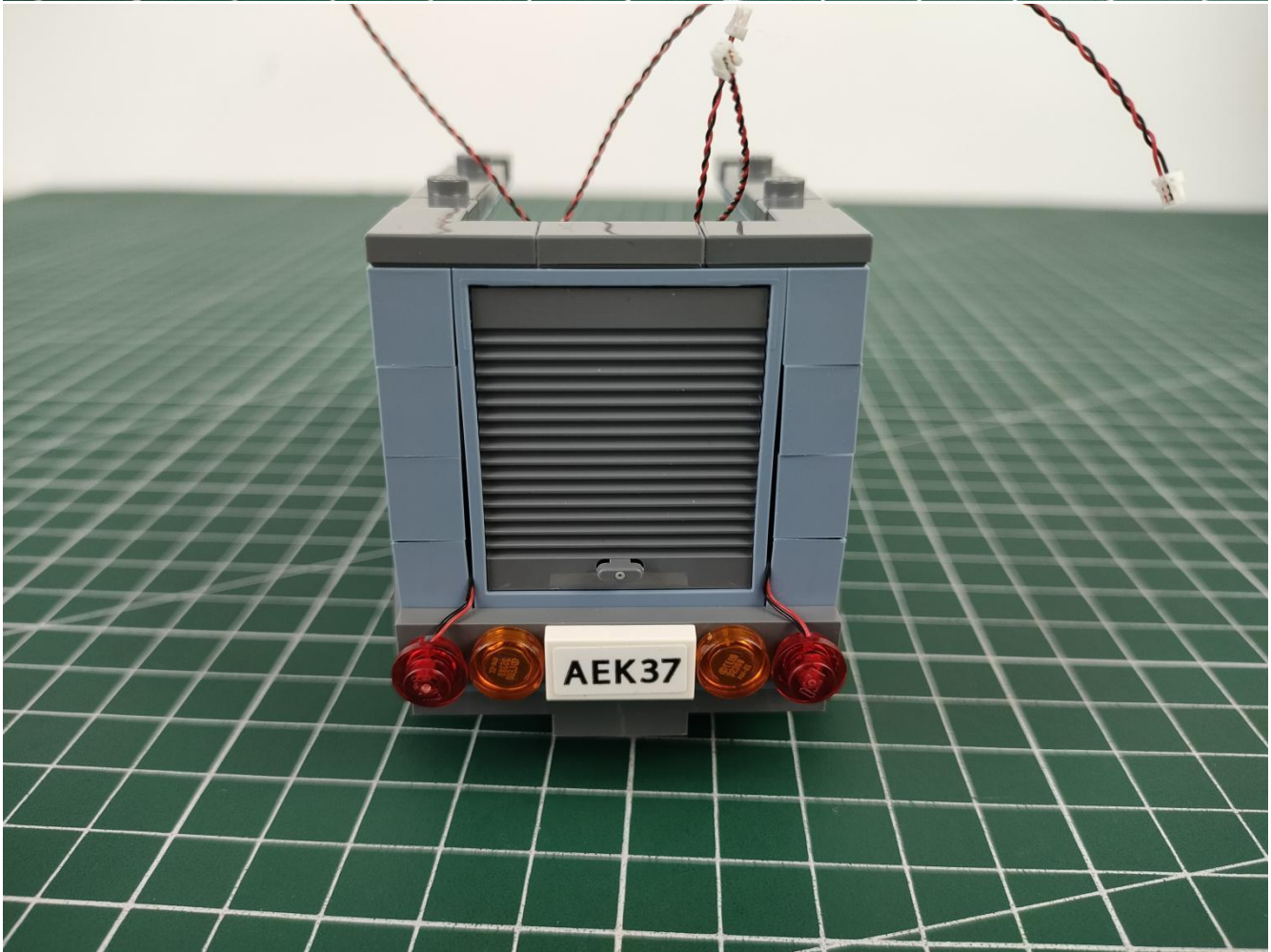
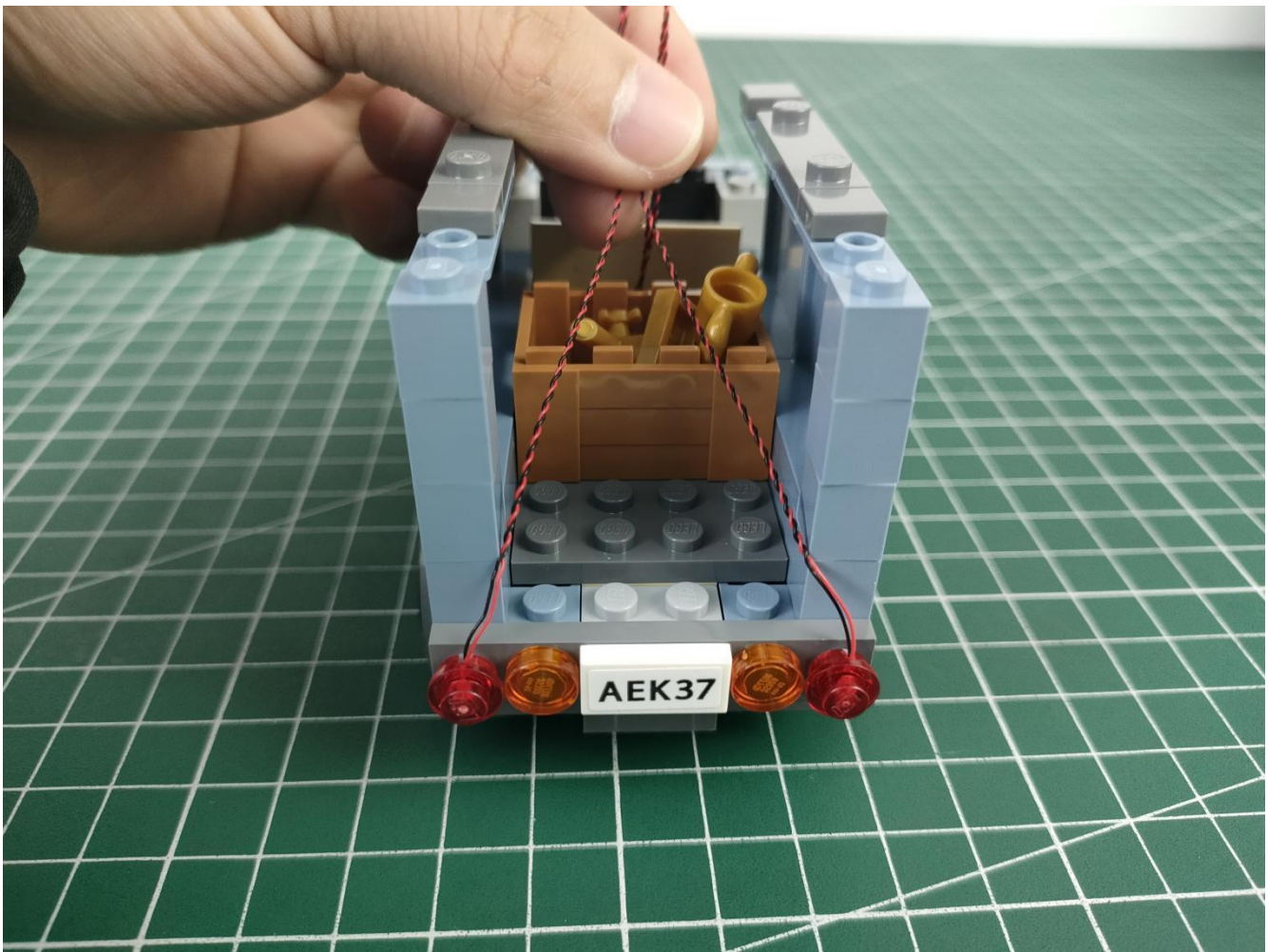
The slit on the the plate round 1X1 are hand-made to avoid squeeze the wire and cause short circuit and abnormal heat during installation.



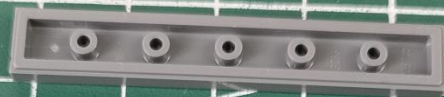




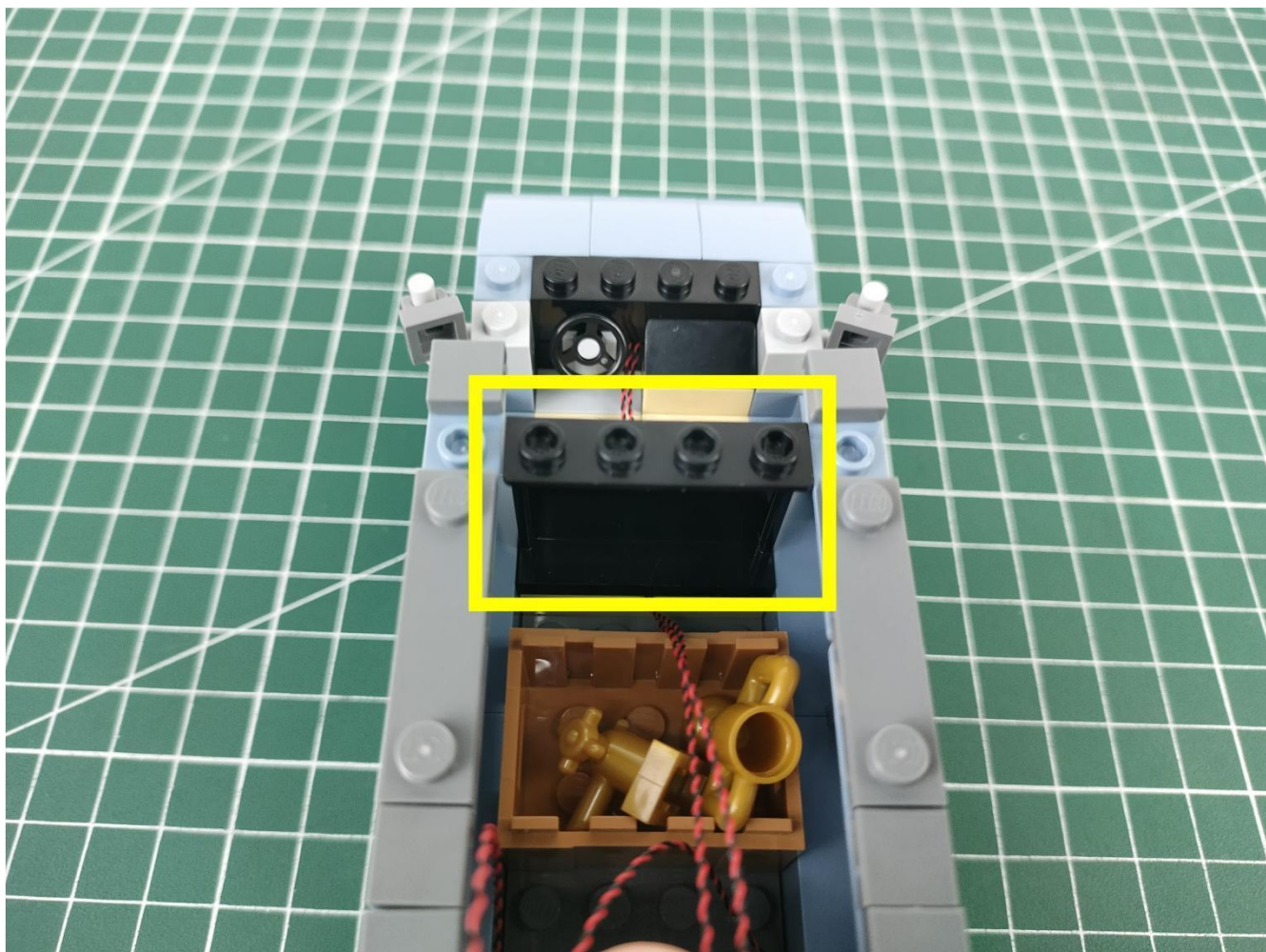




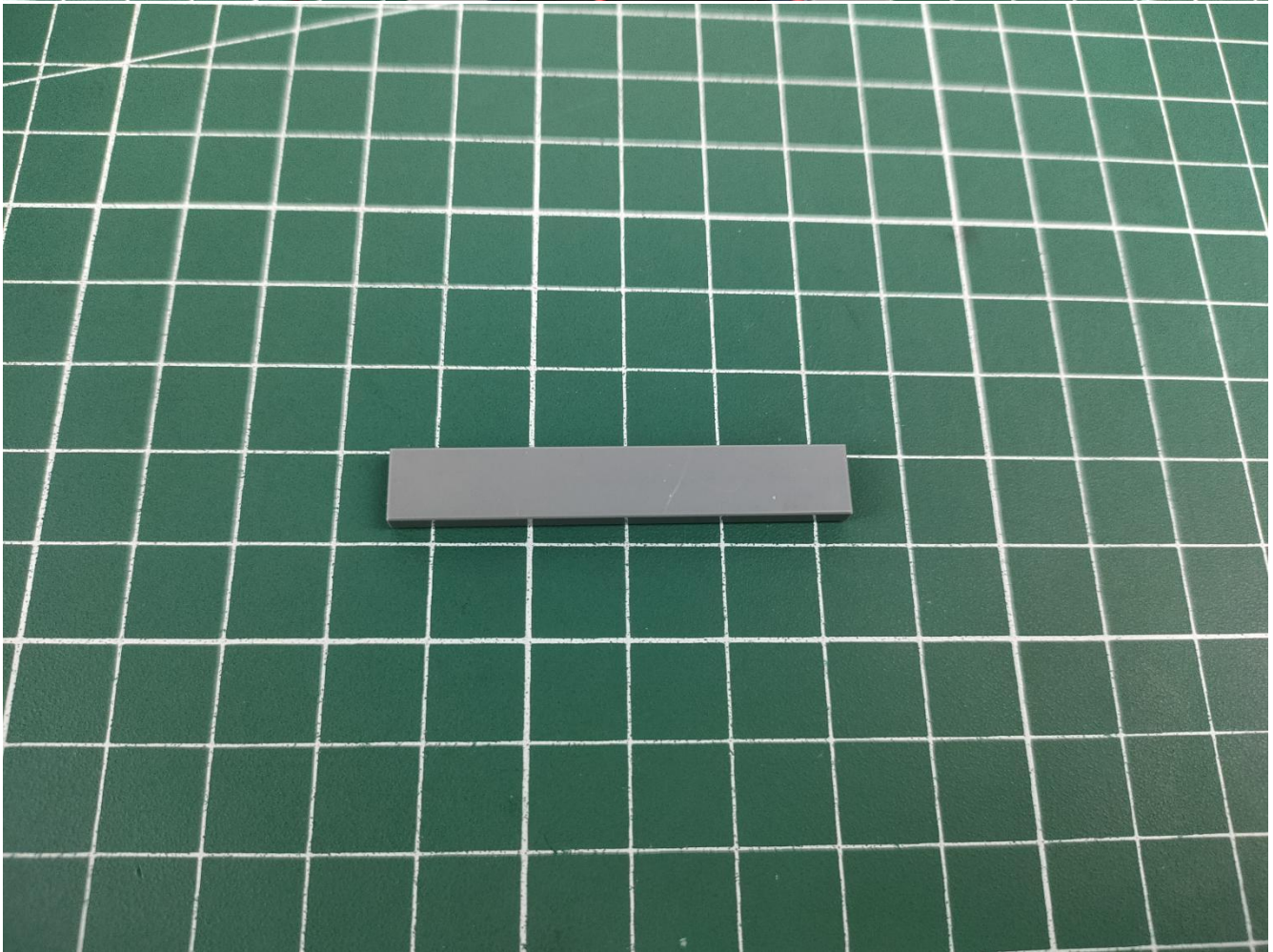
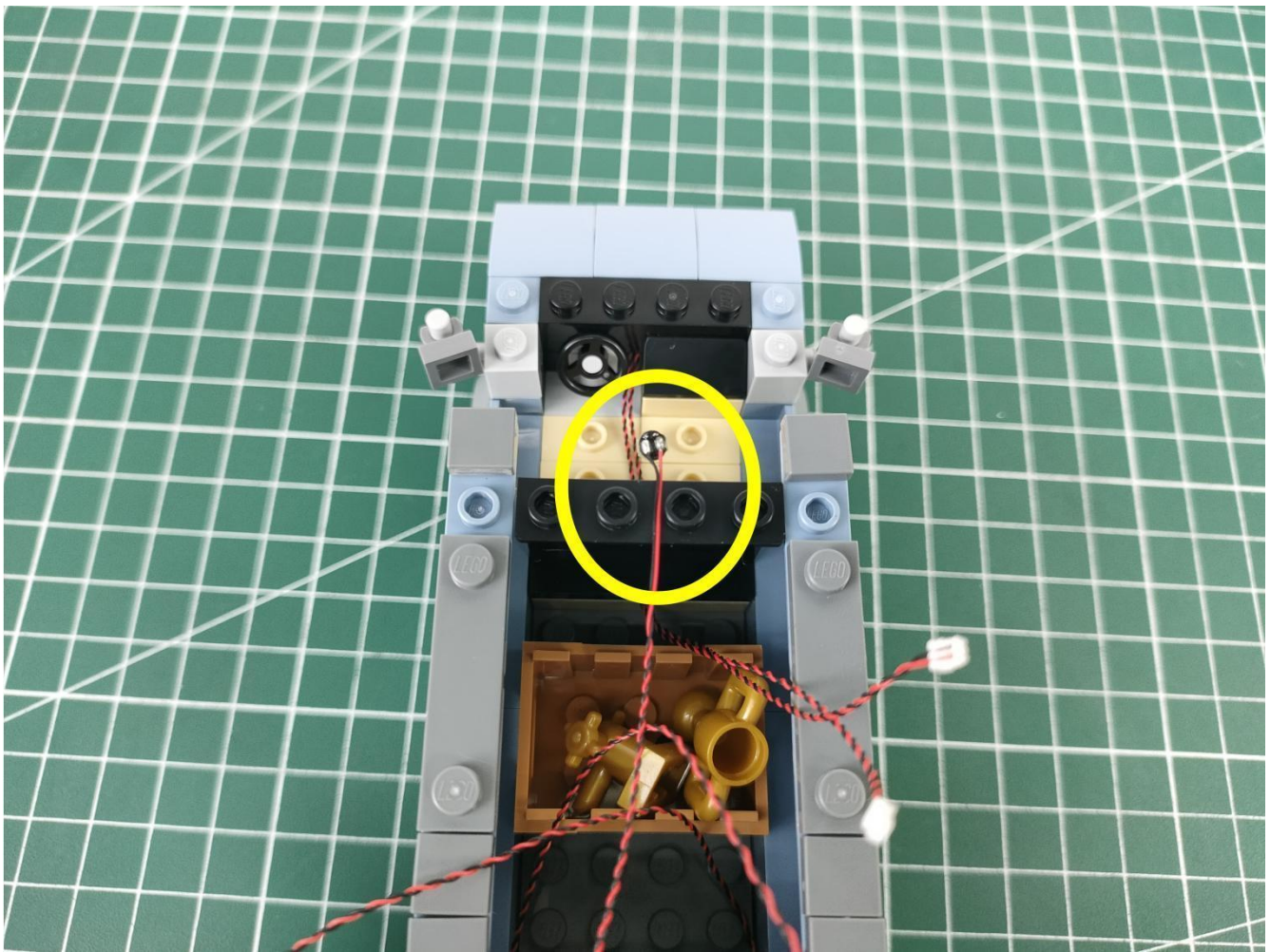




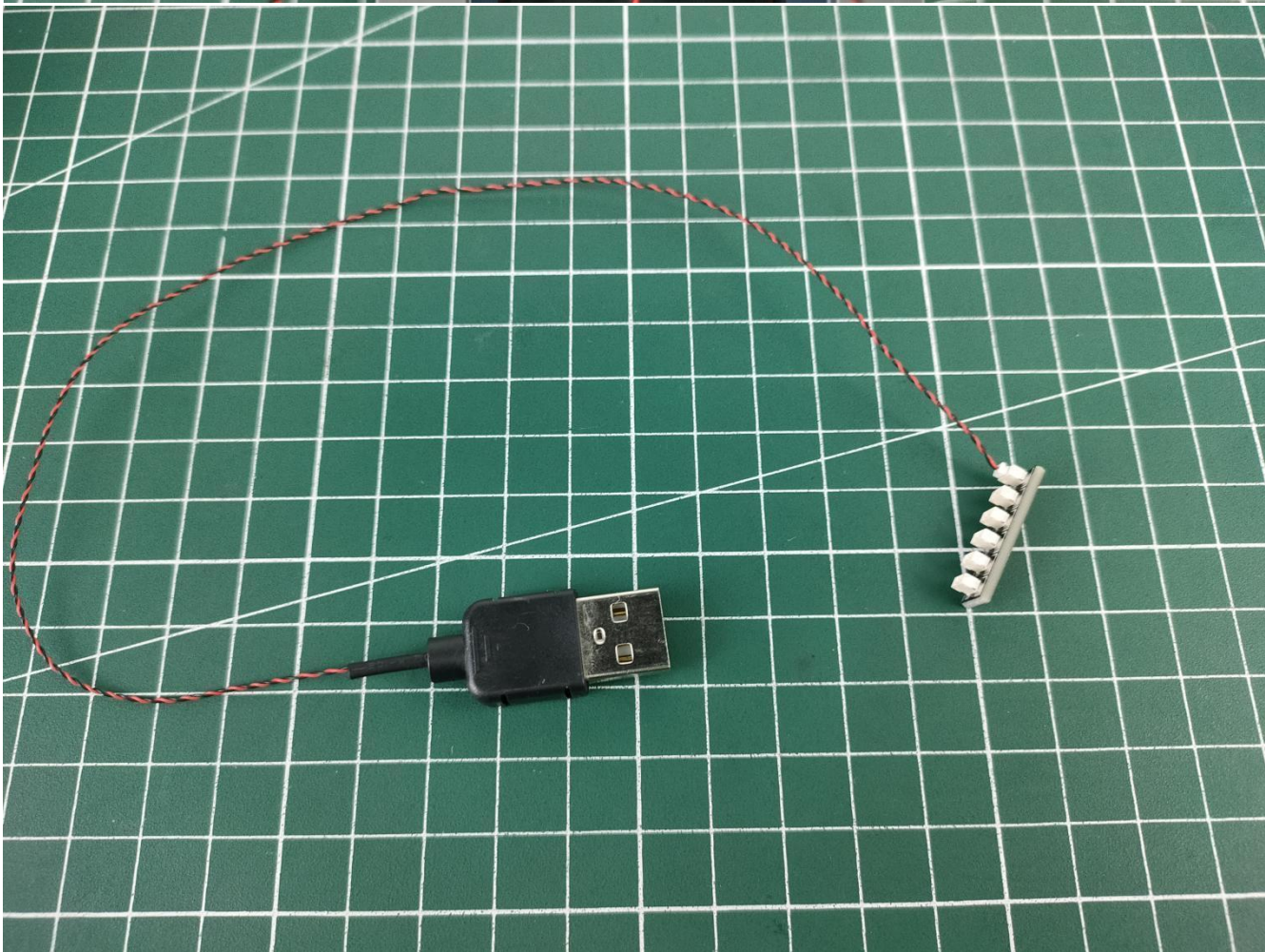
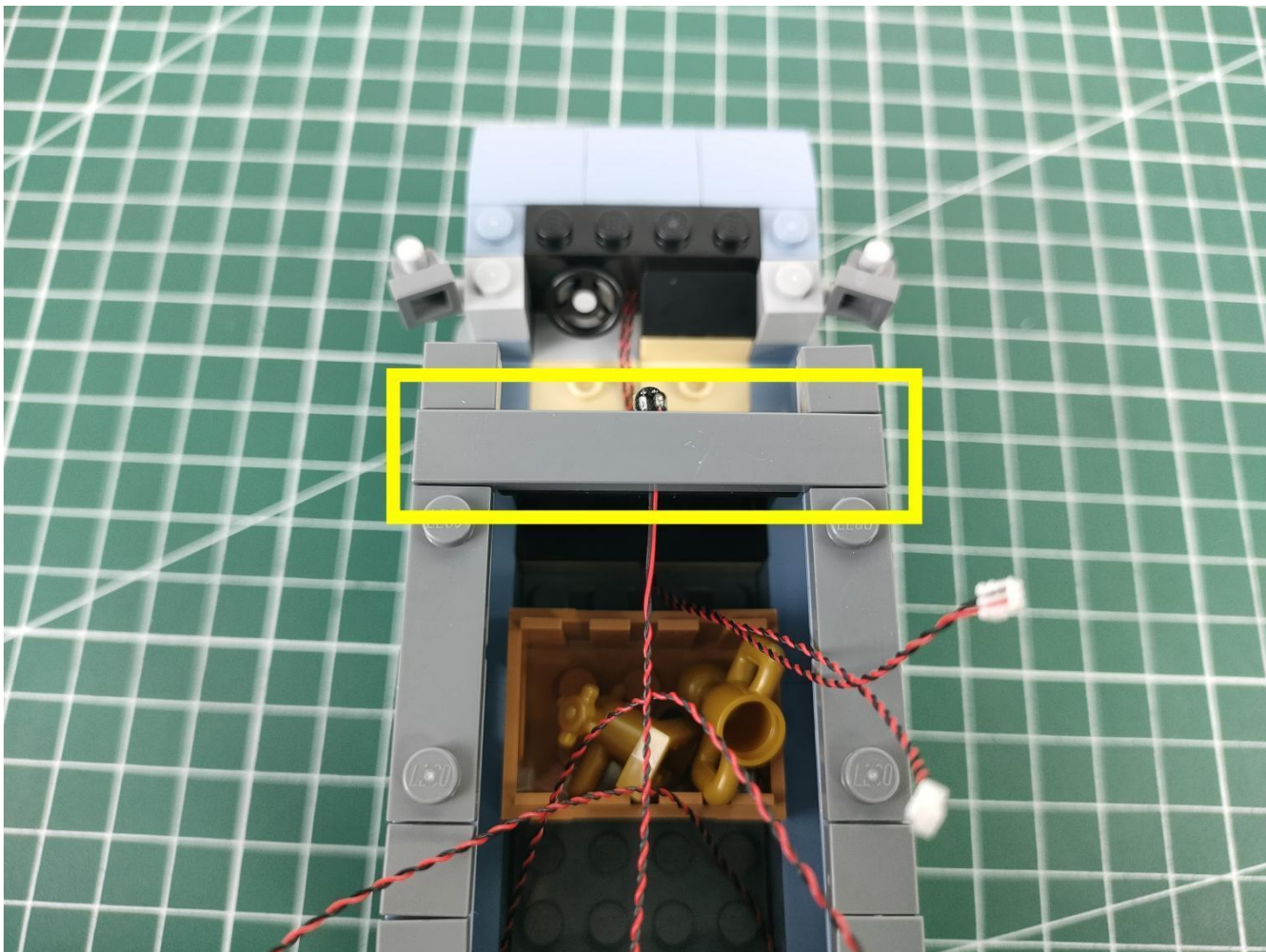




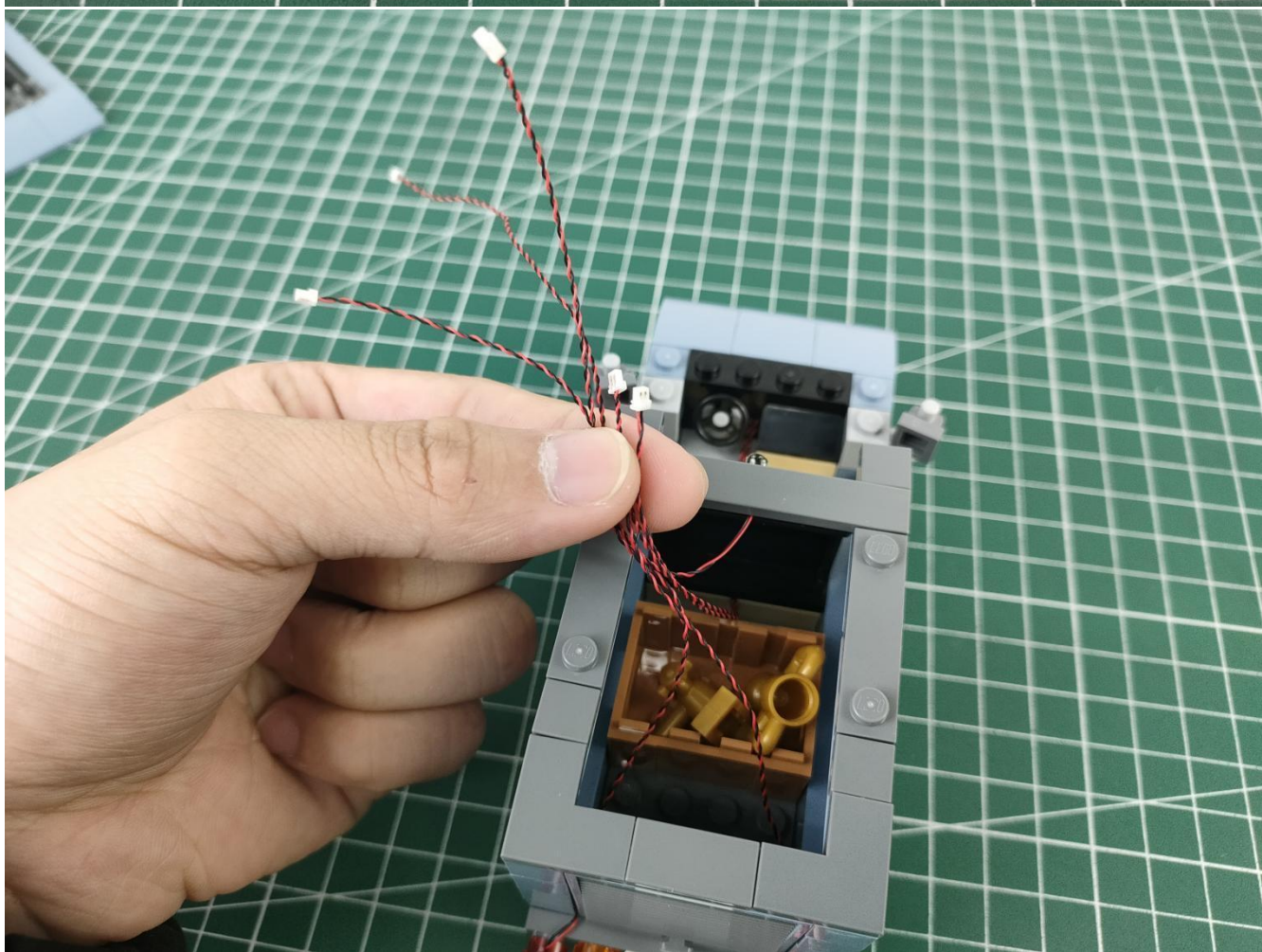
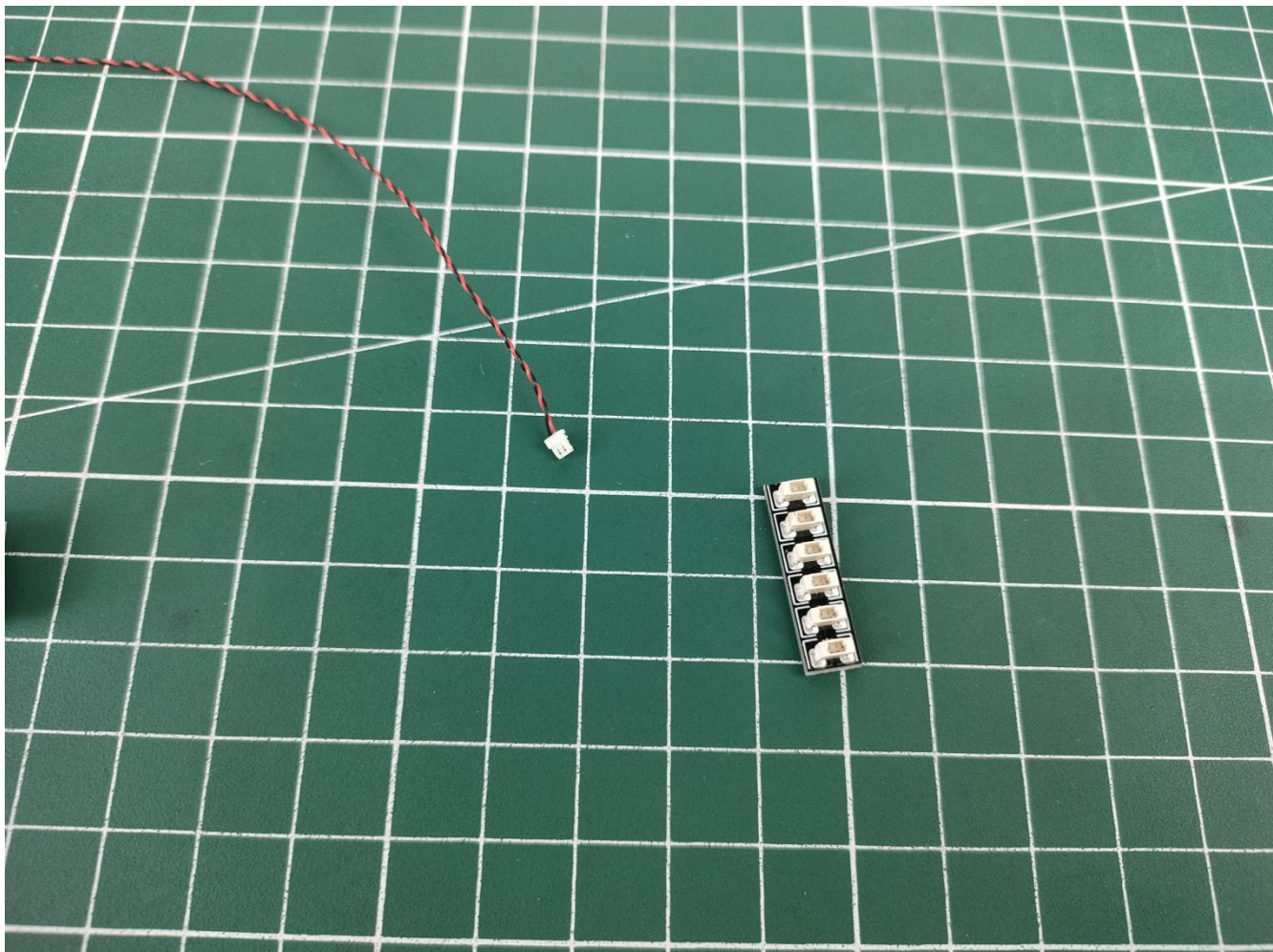




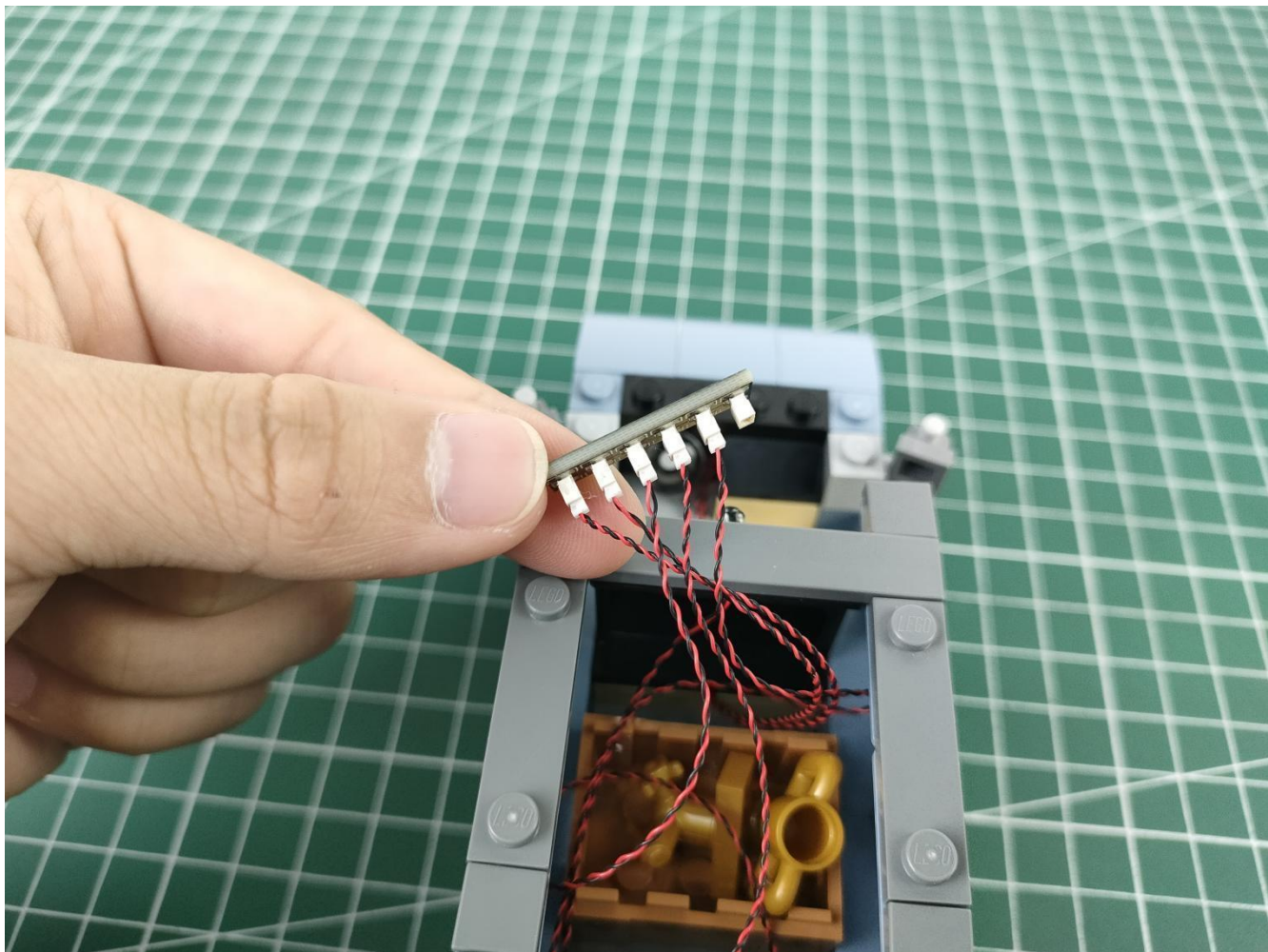




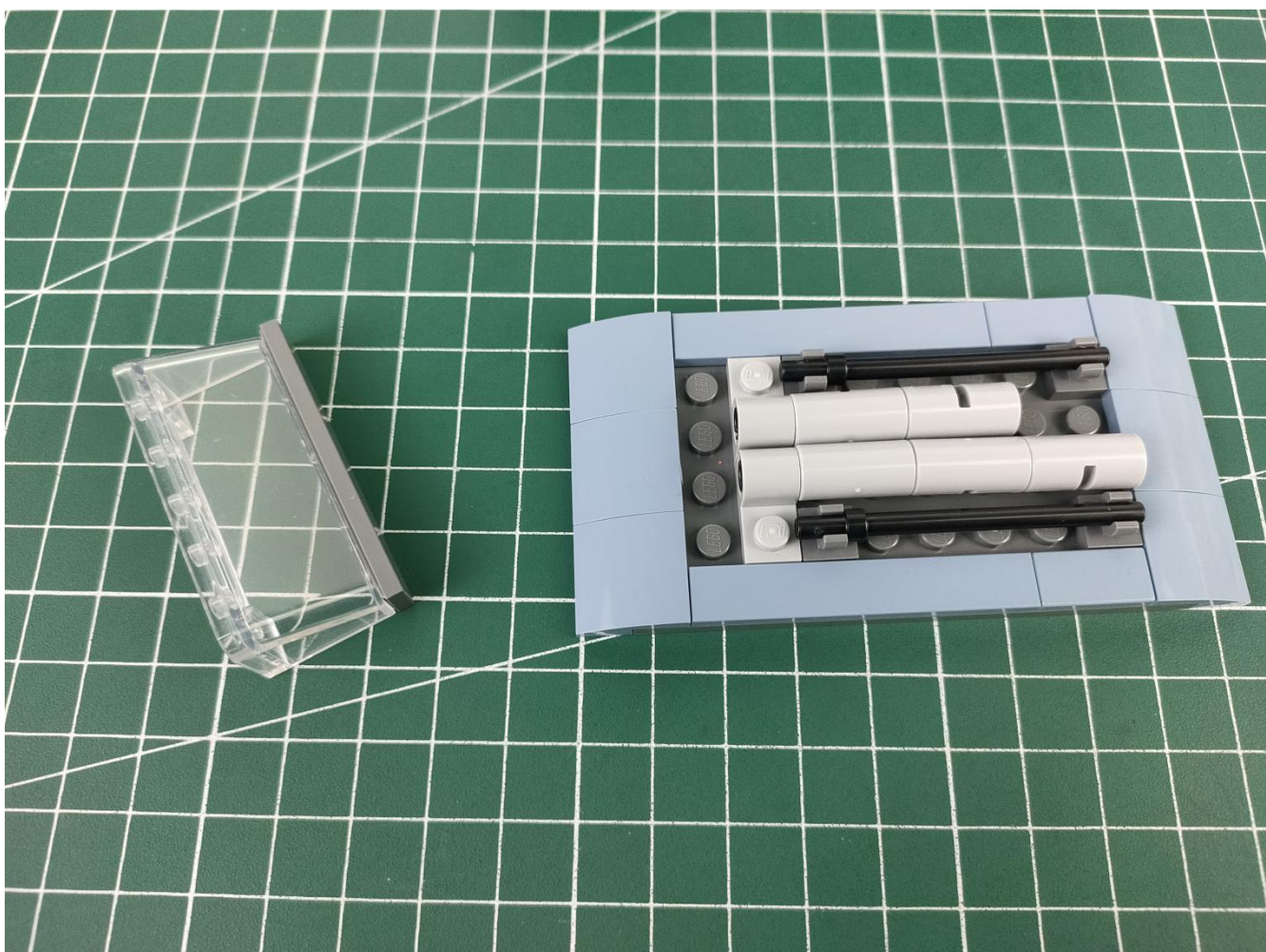
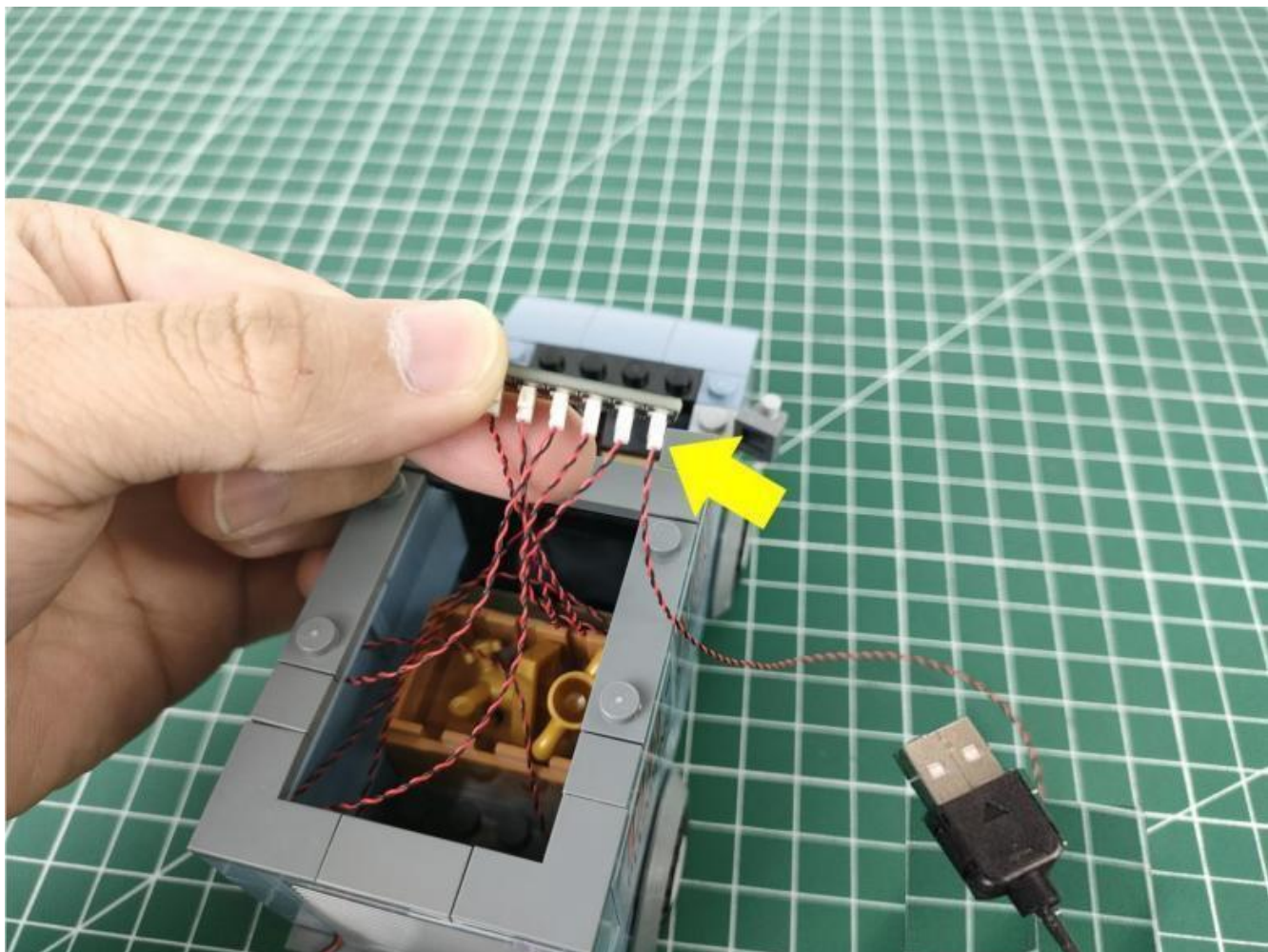








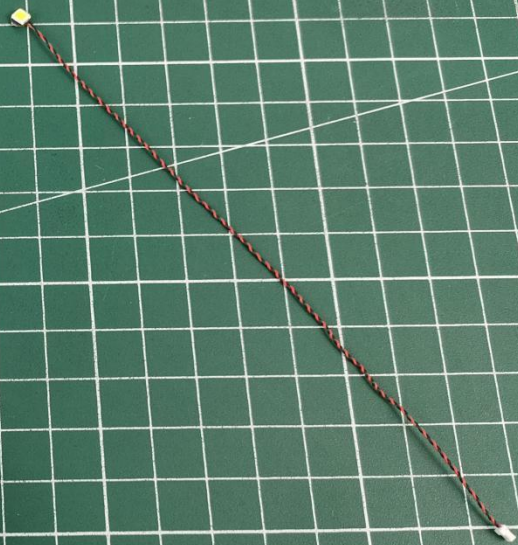






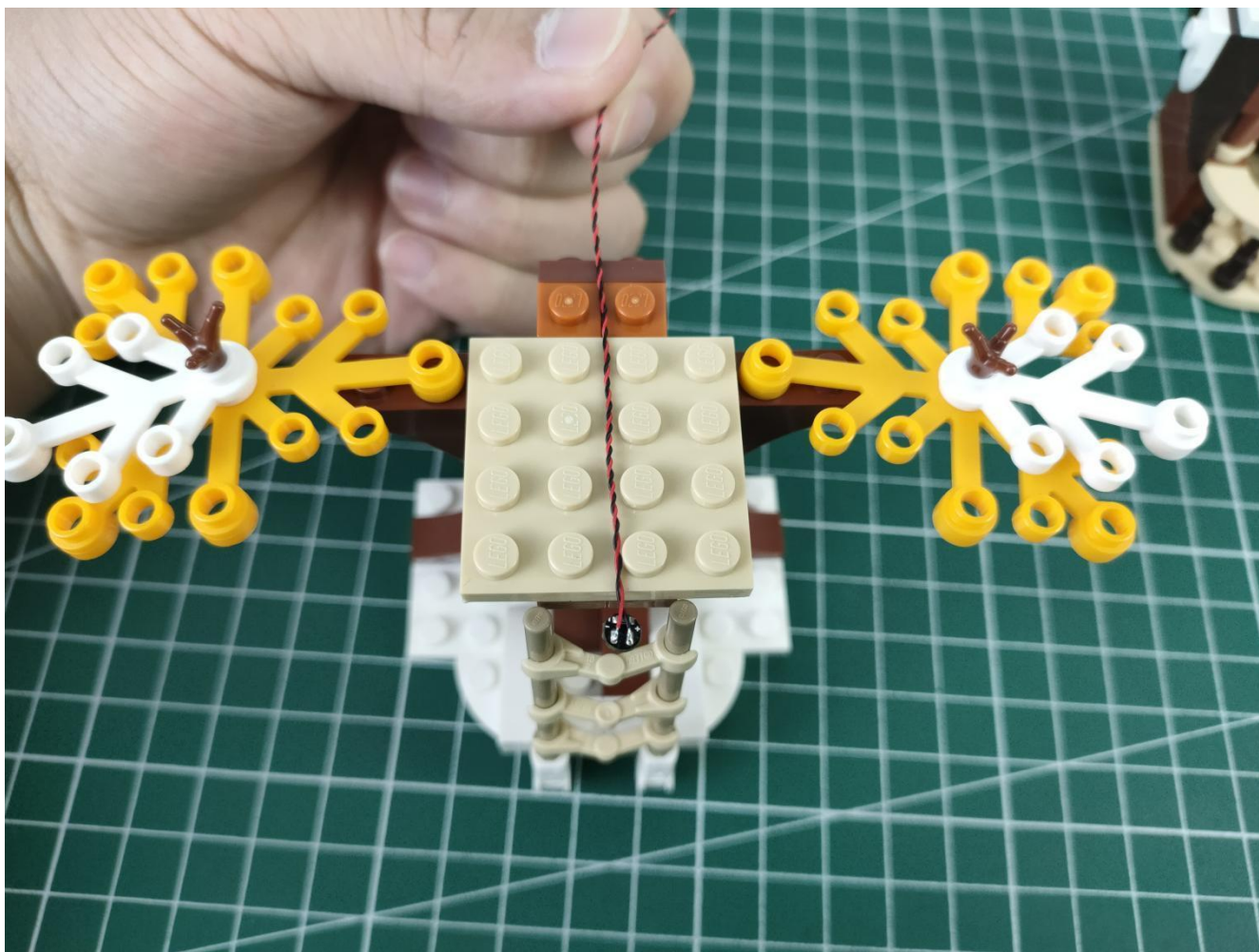








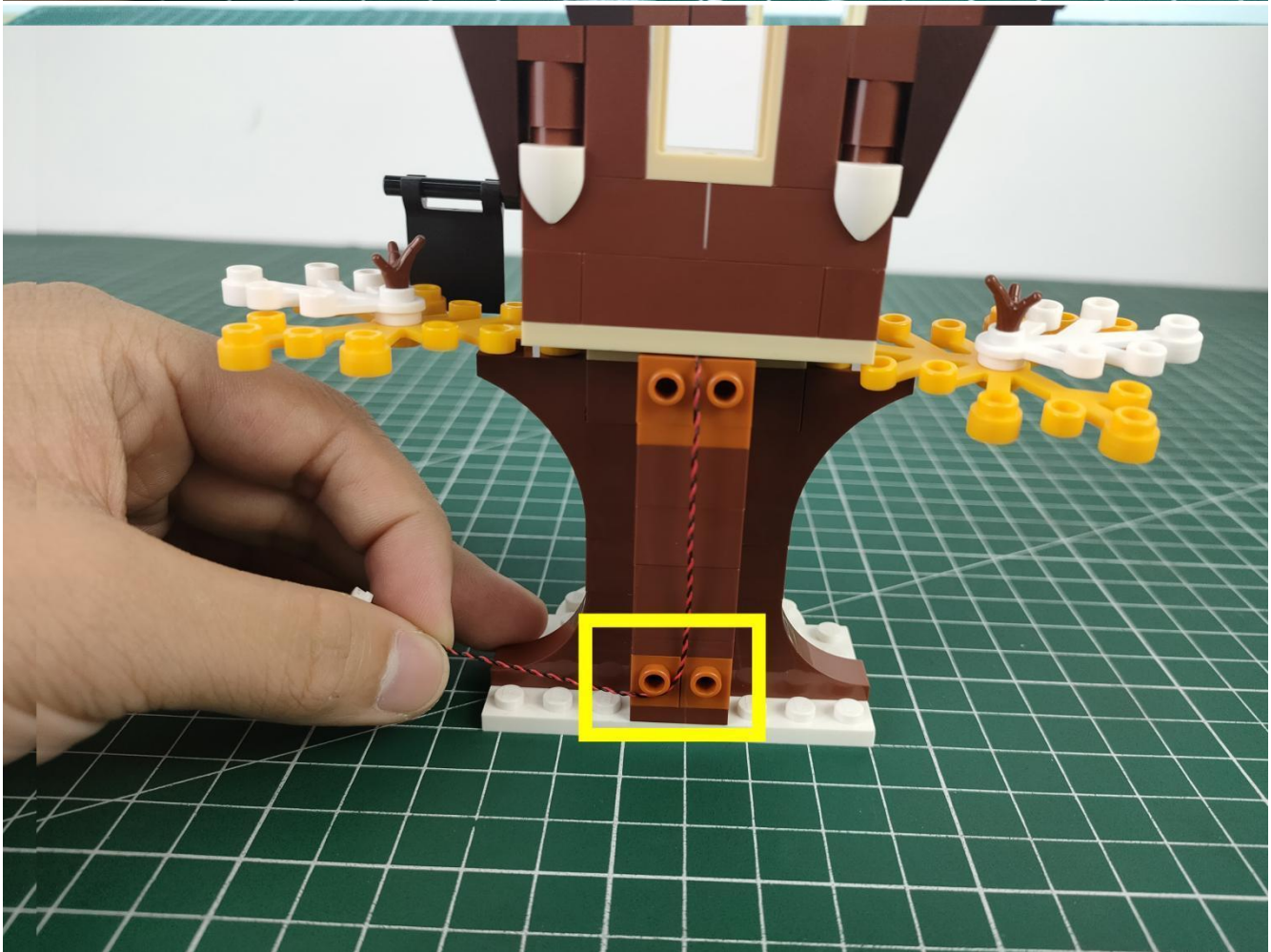
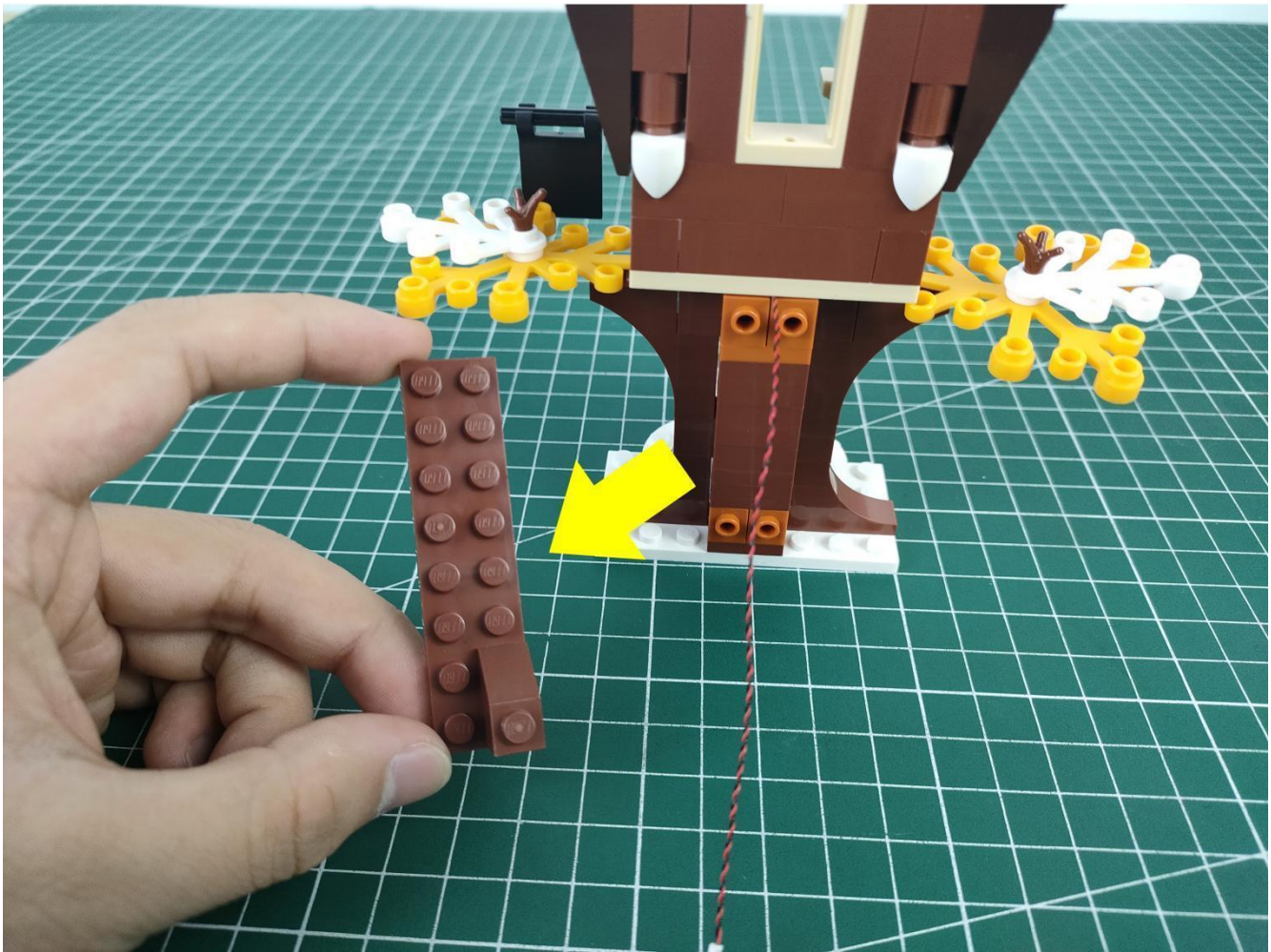
**The solder joints of the lamp pellets face upwards.**



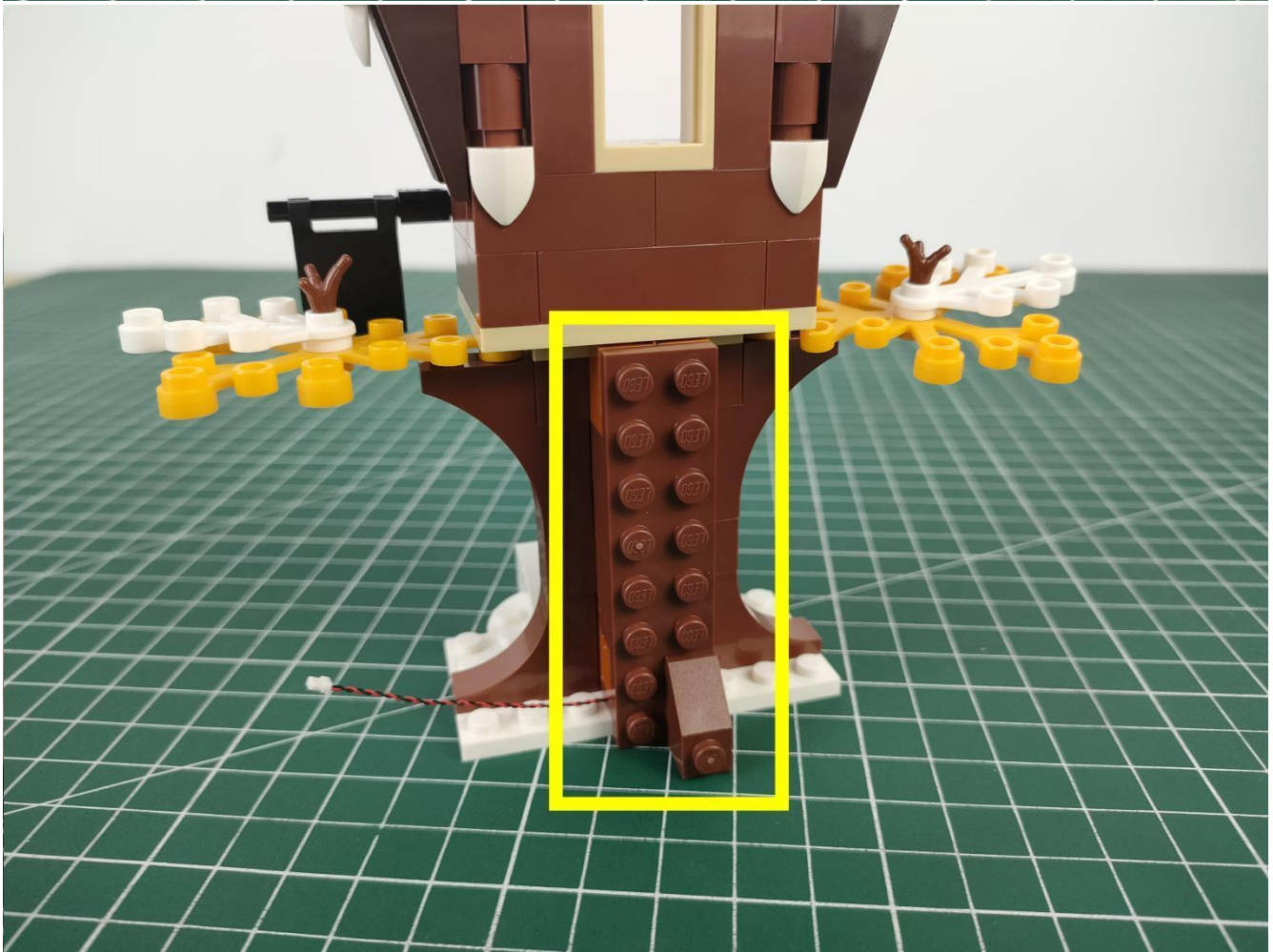
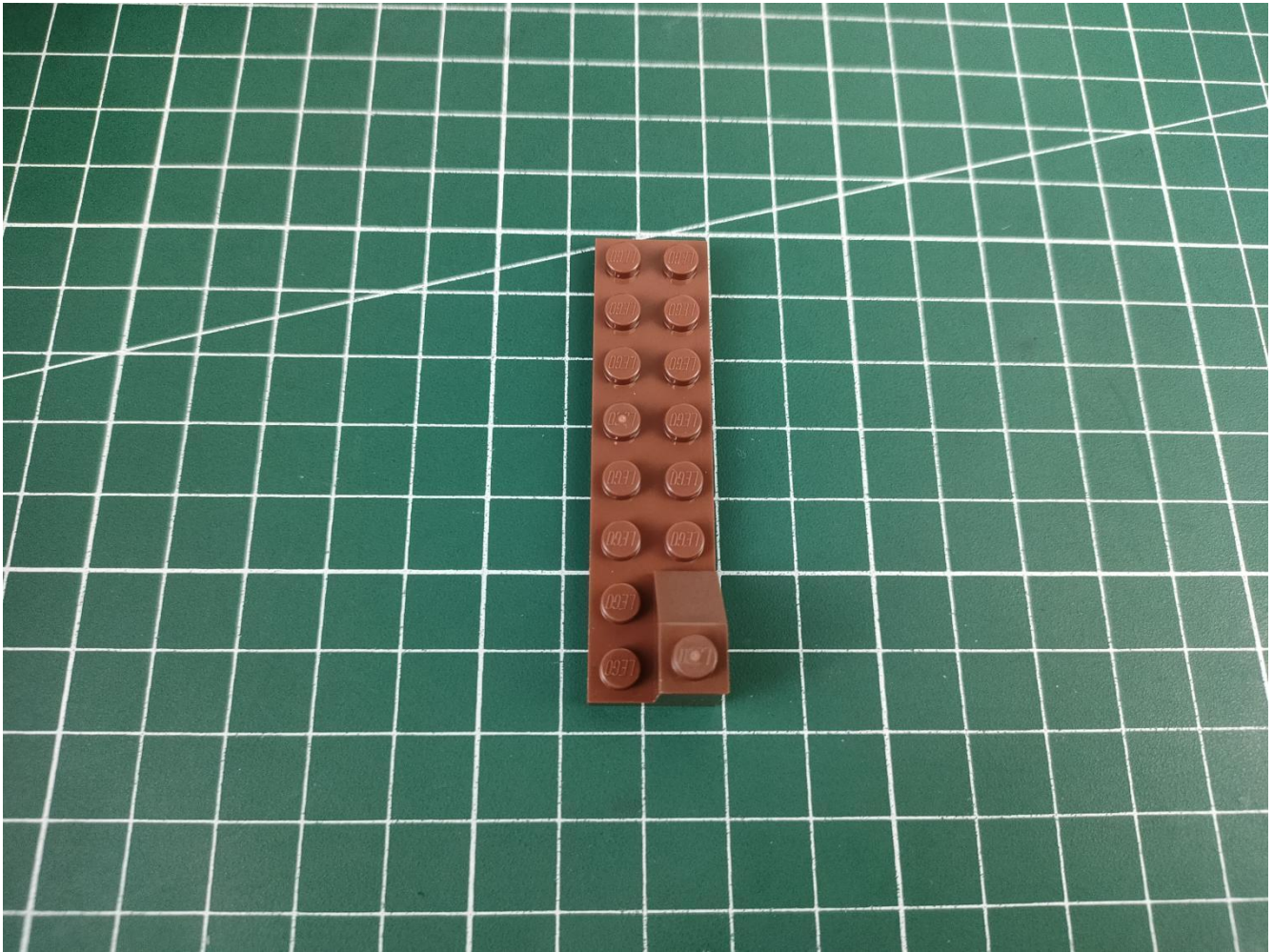




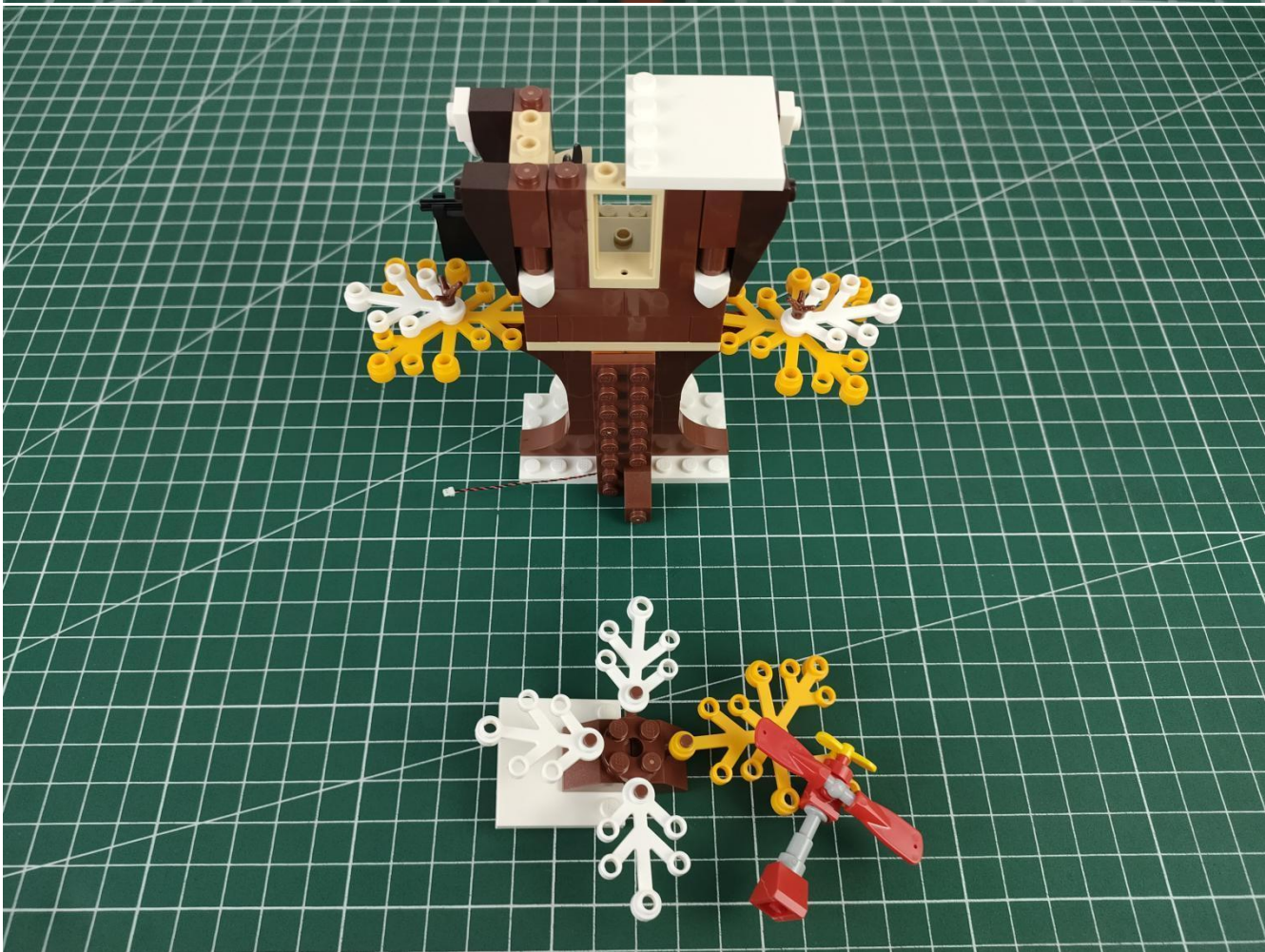




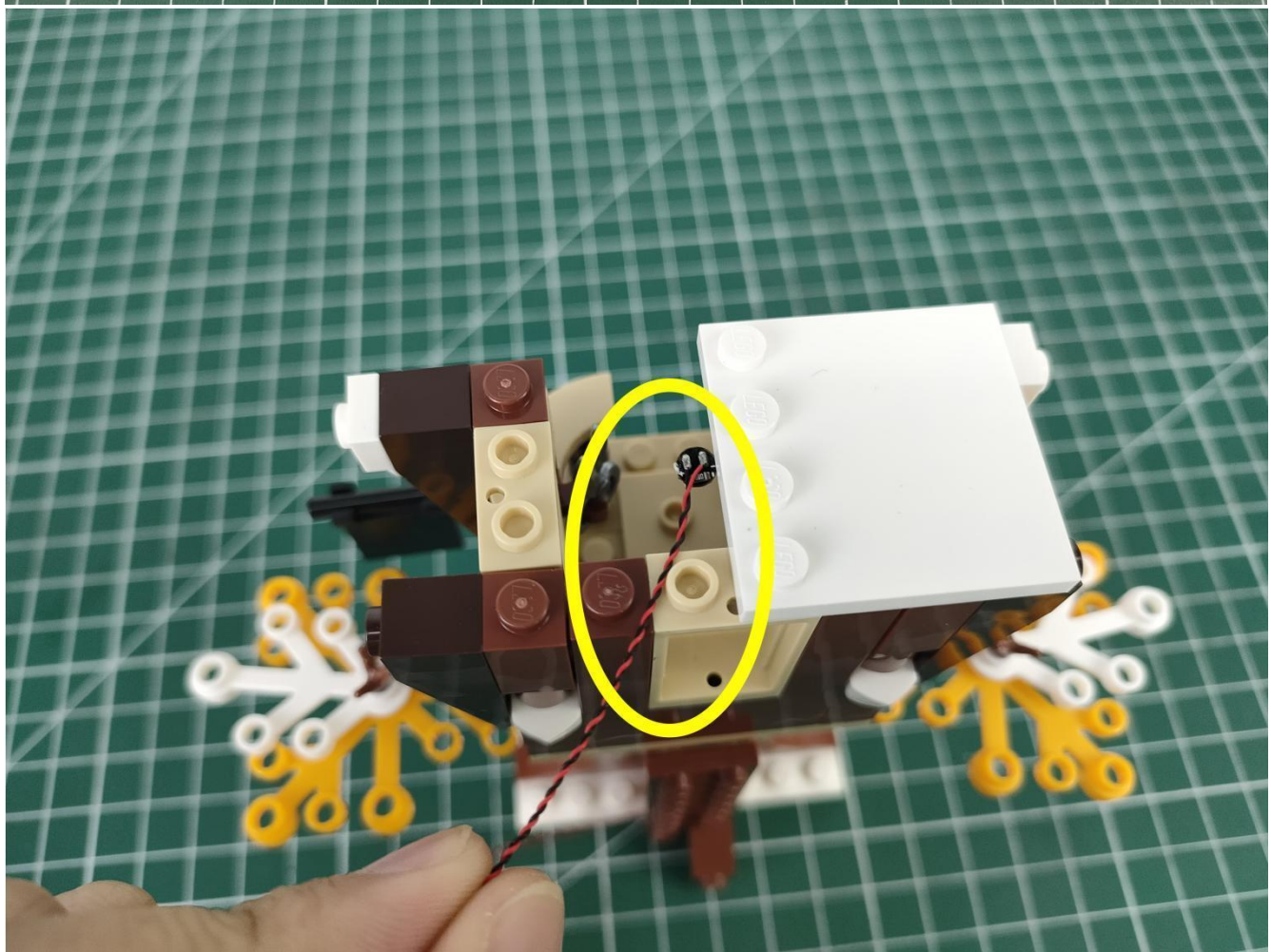














**Restore the top blocks to fix the lamp pellets.**





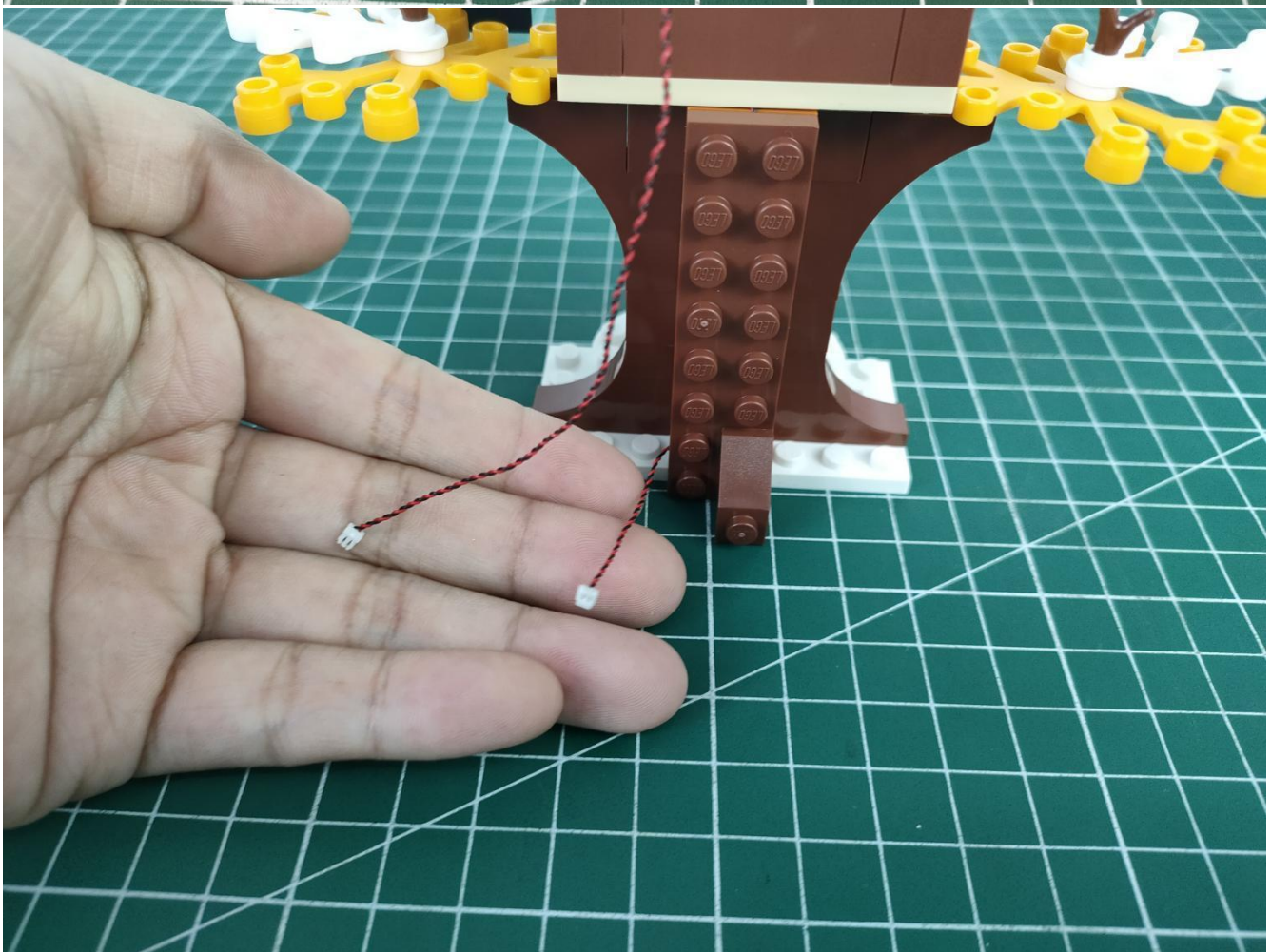
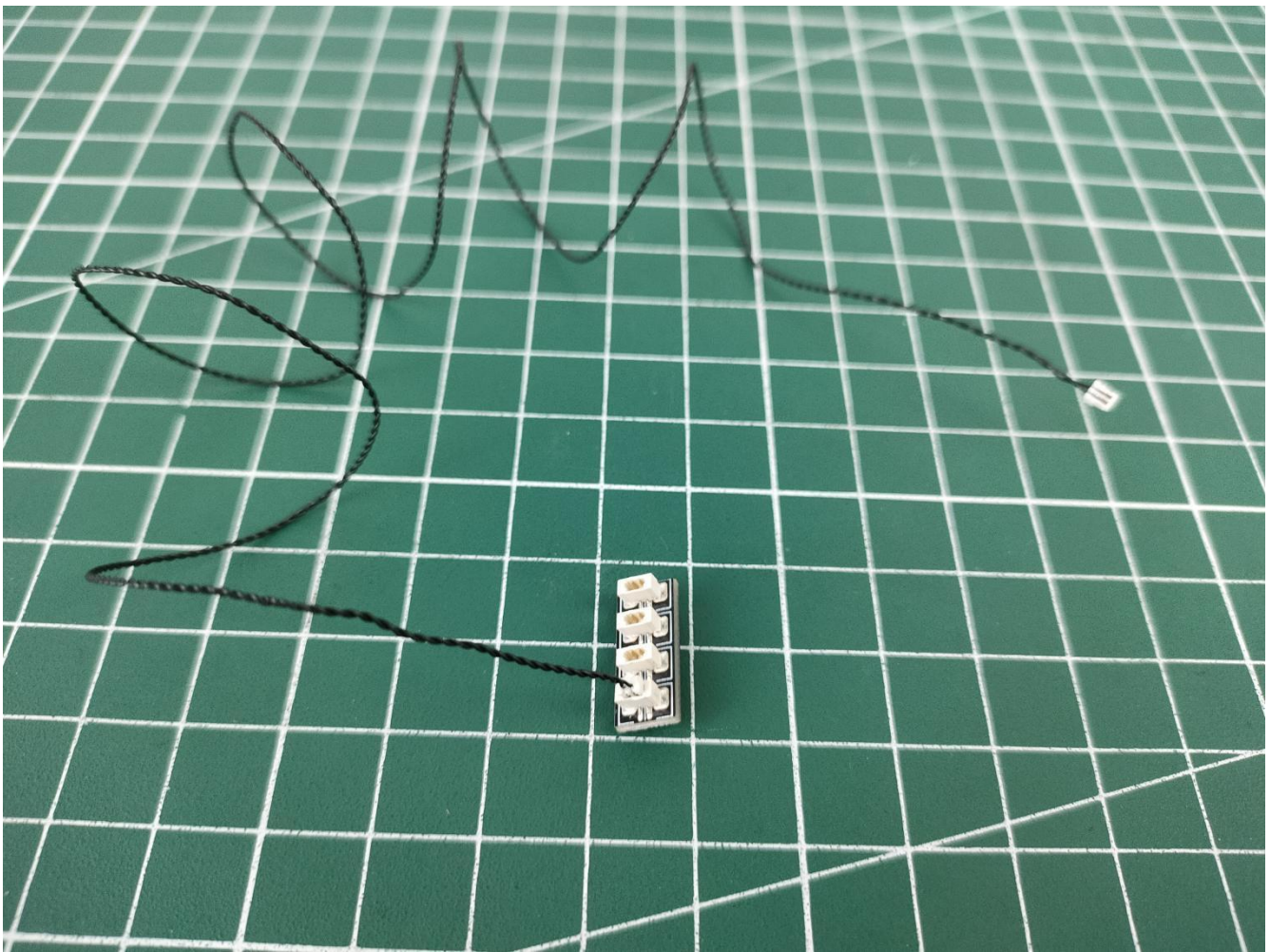
擴充板  
Expansion Boards



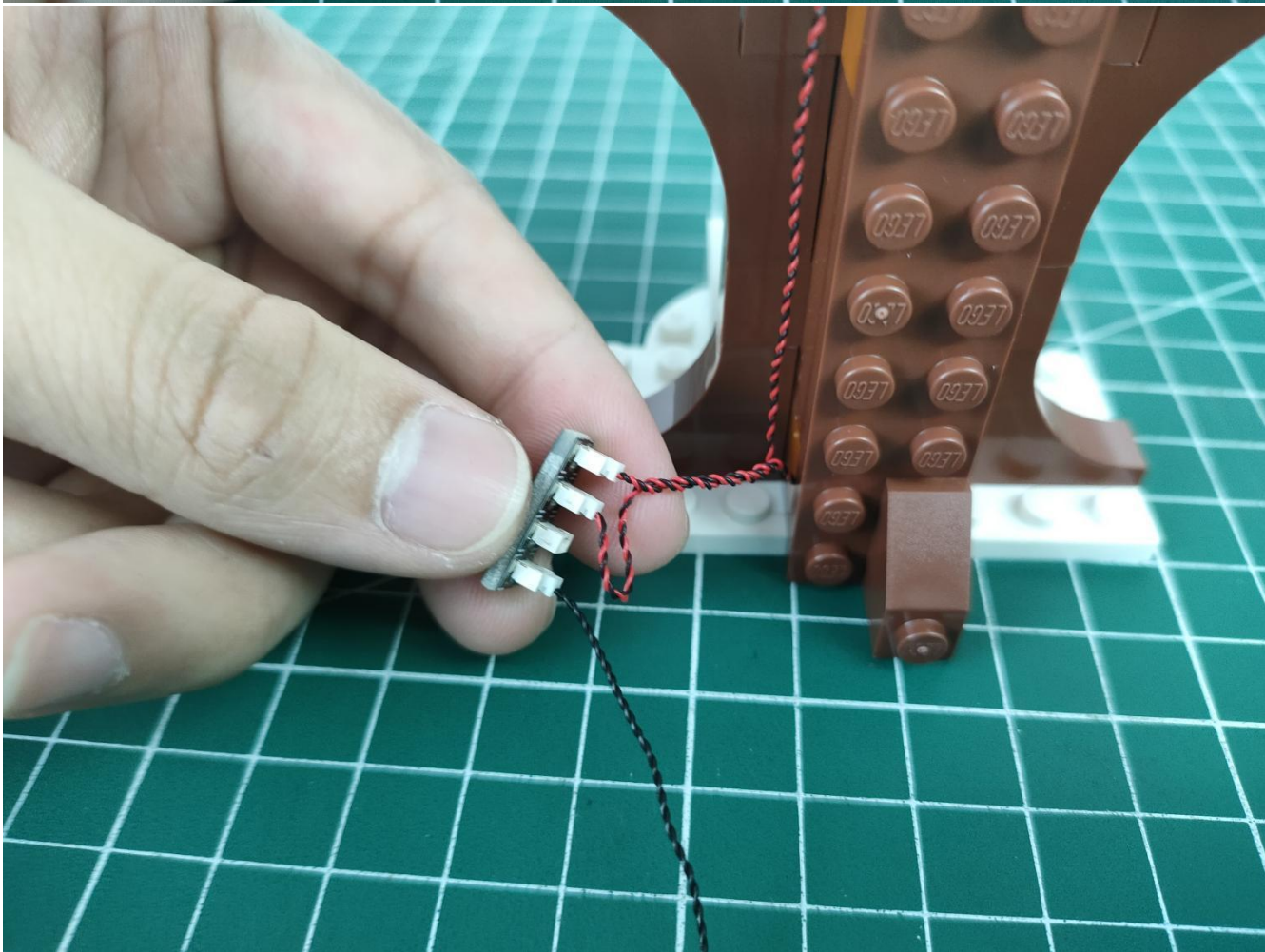
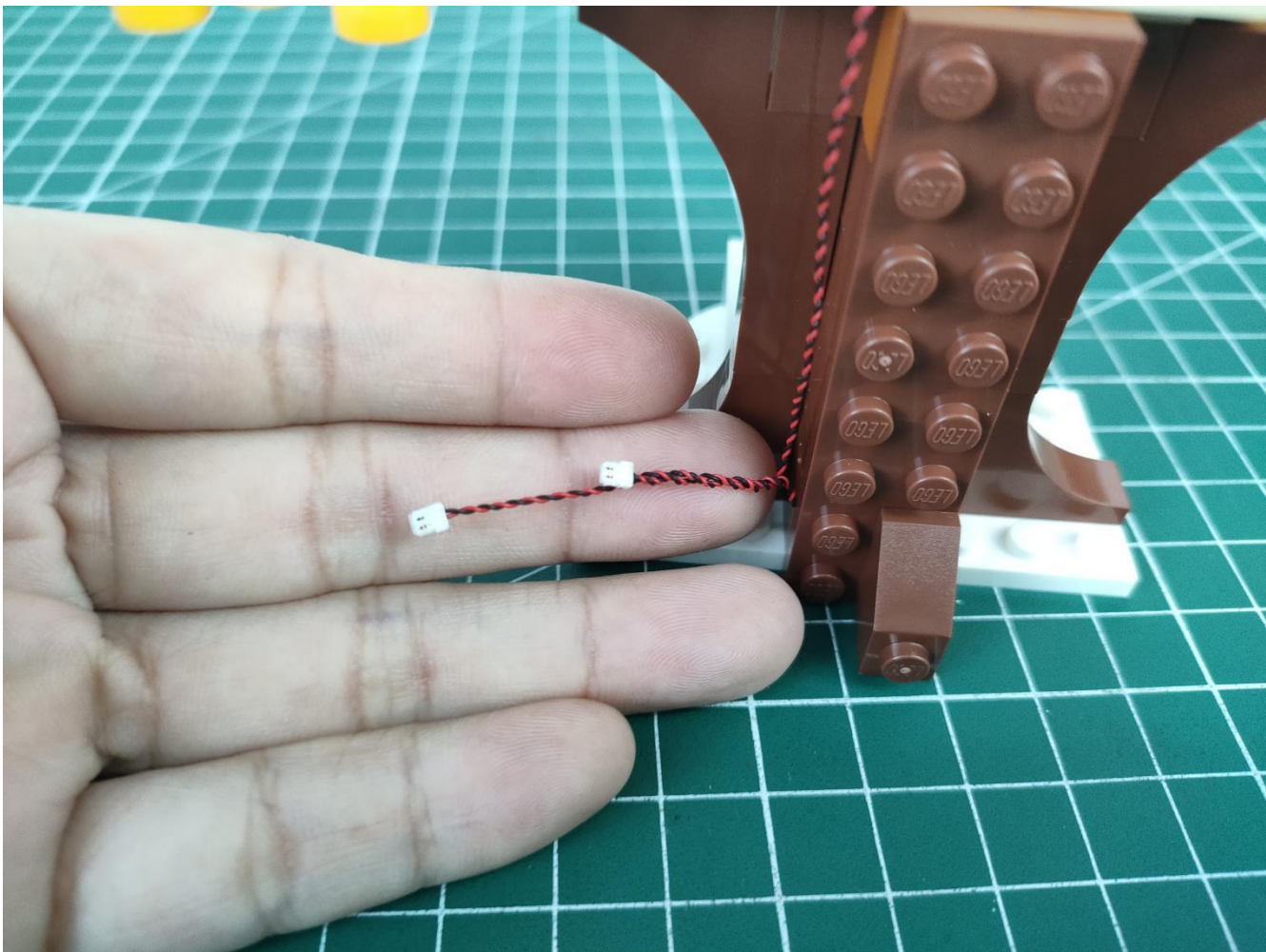
連接線 50CM  
Connecting Cables  
50CM



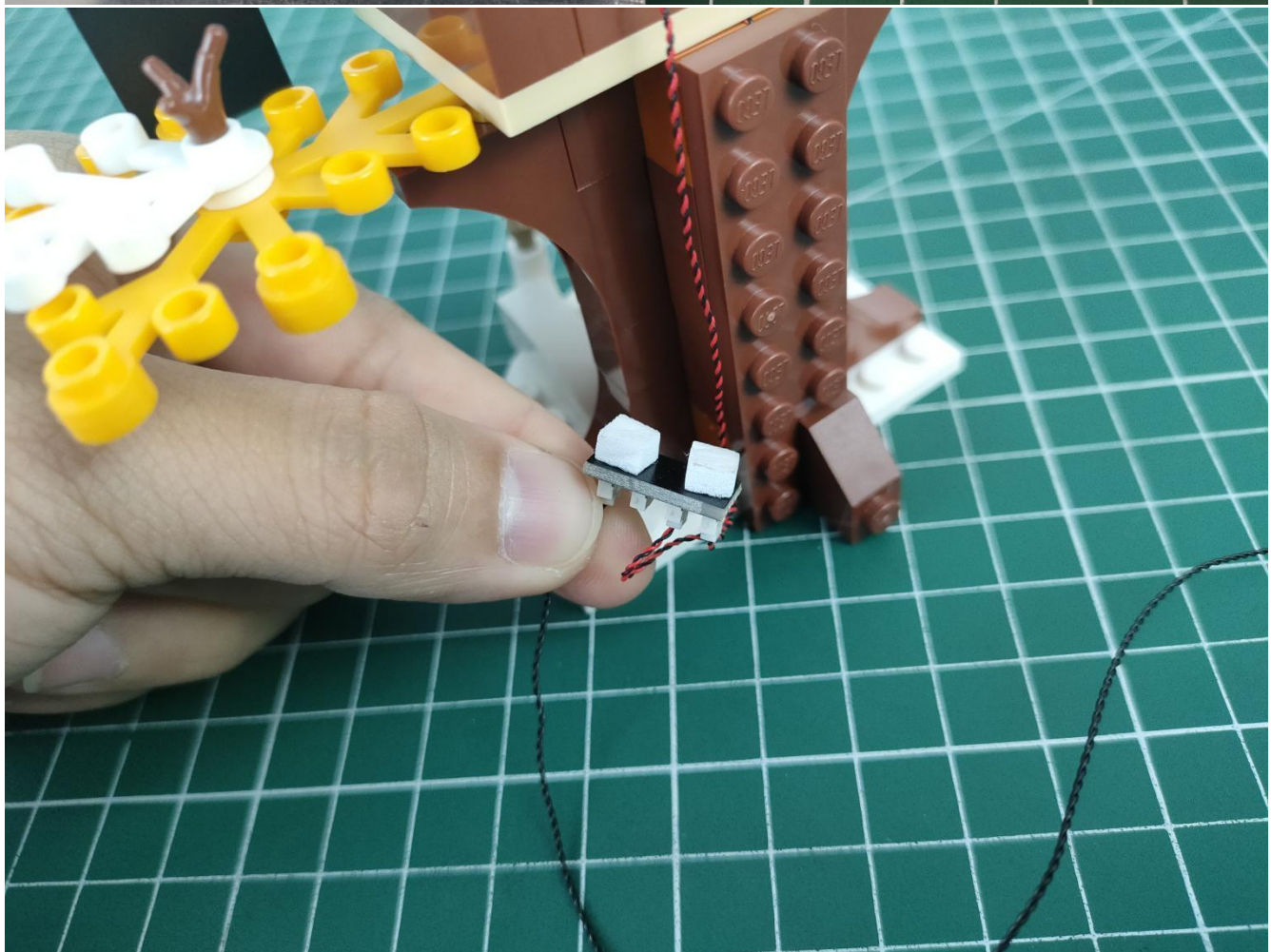




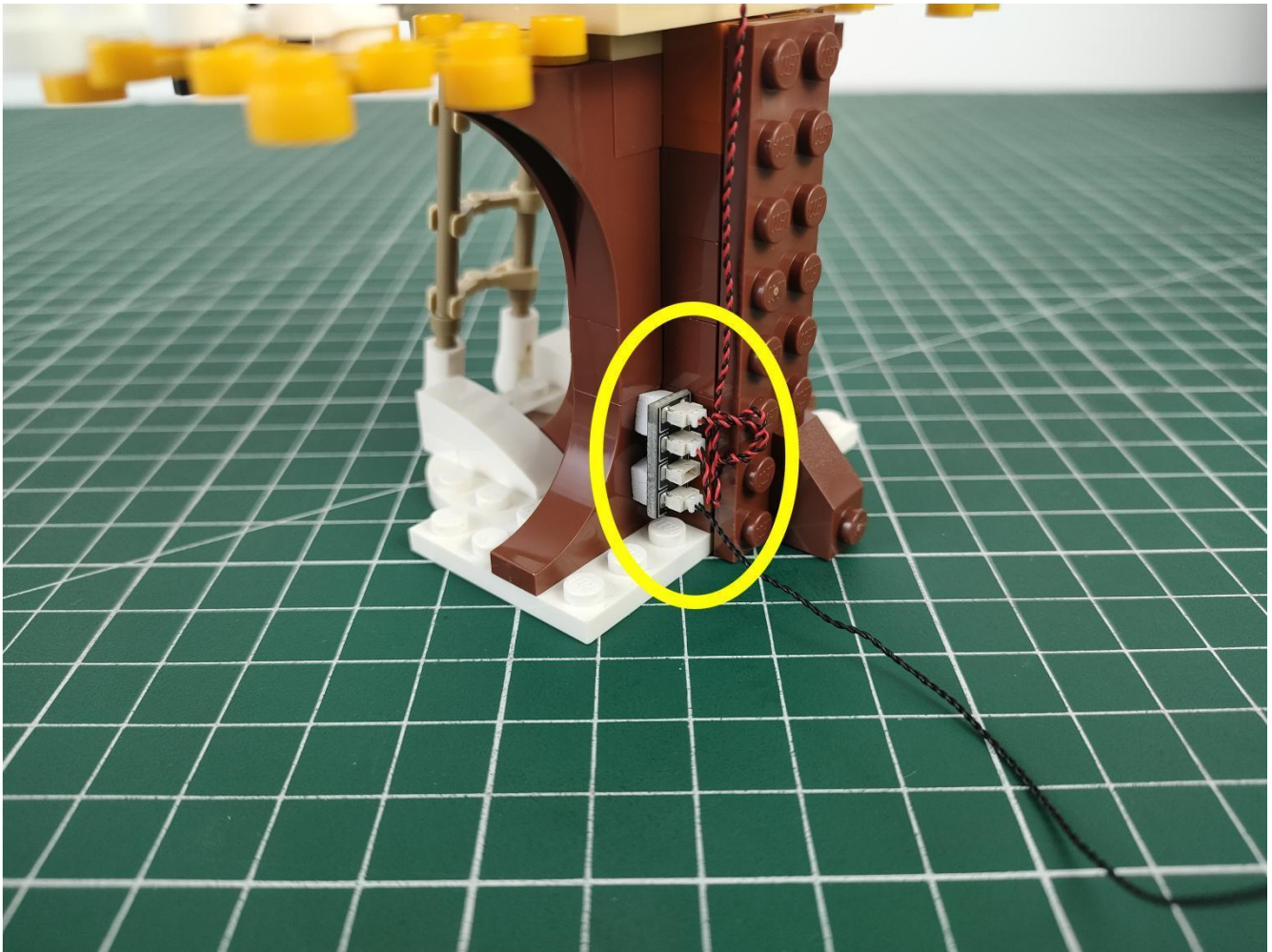




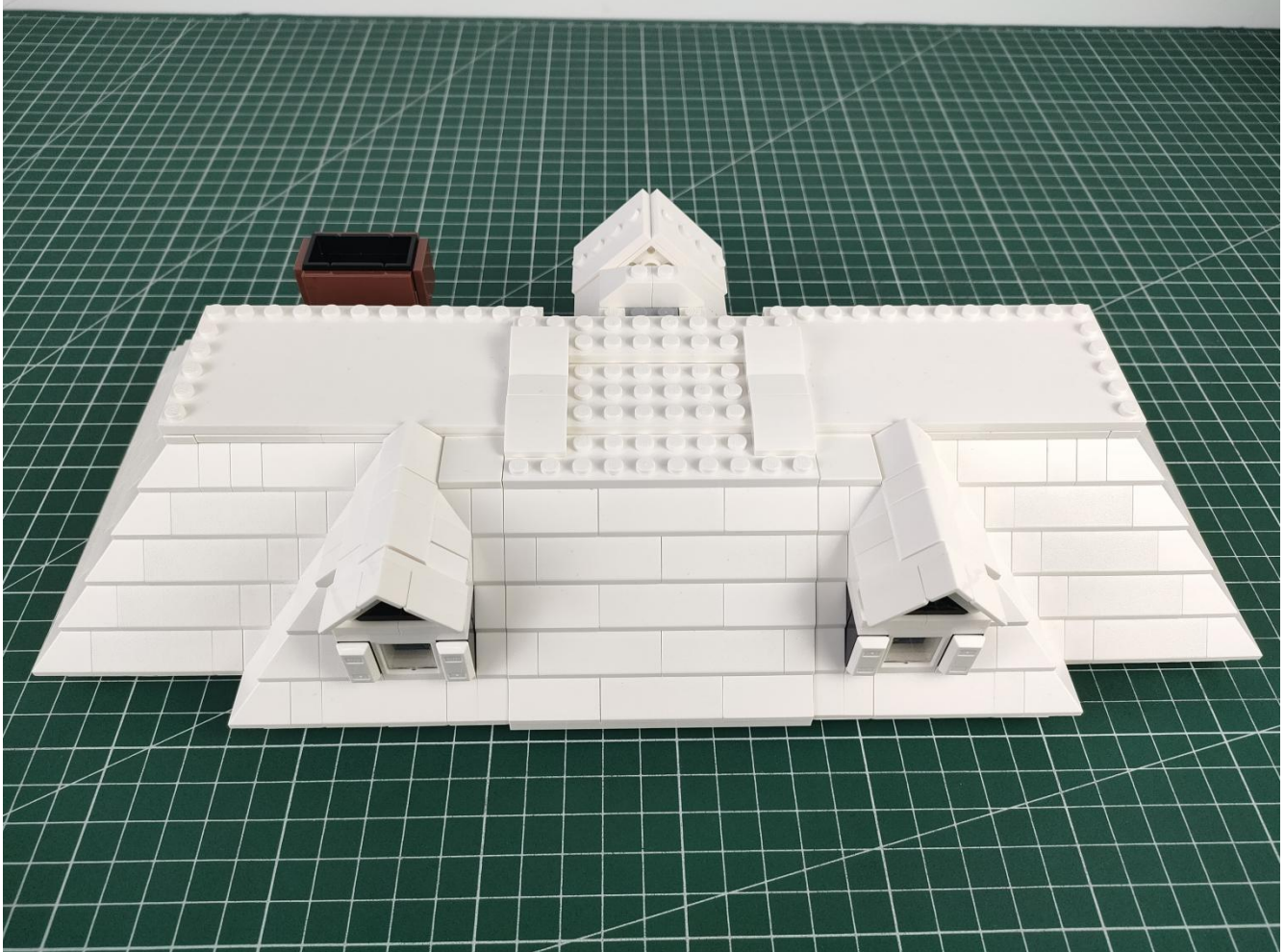




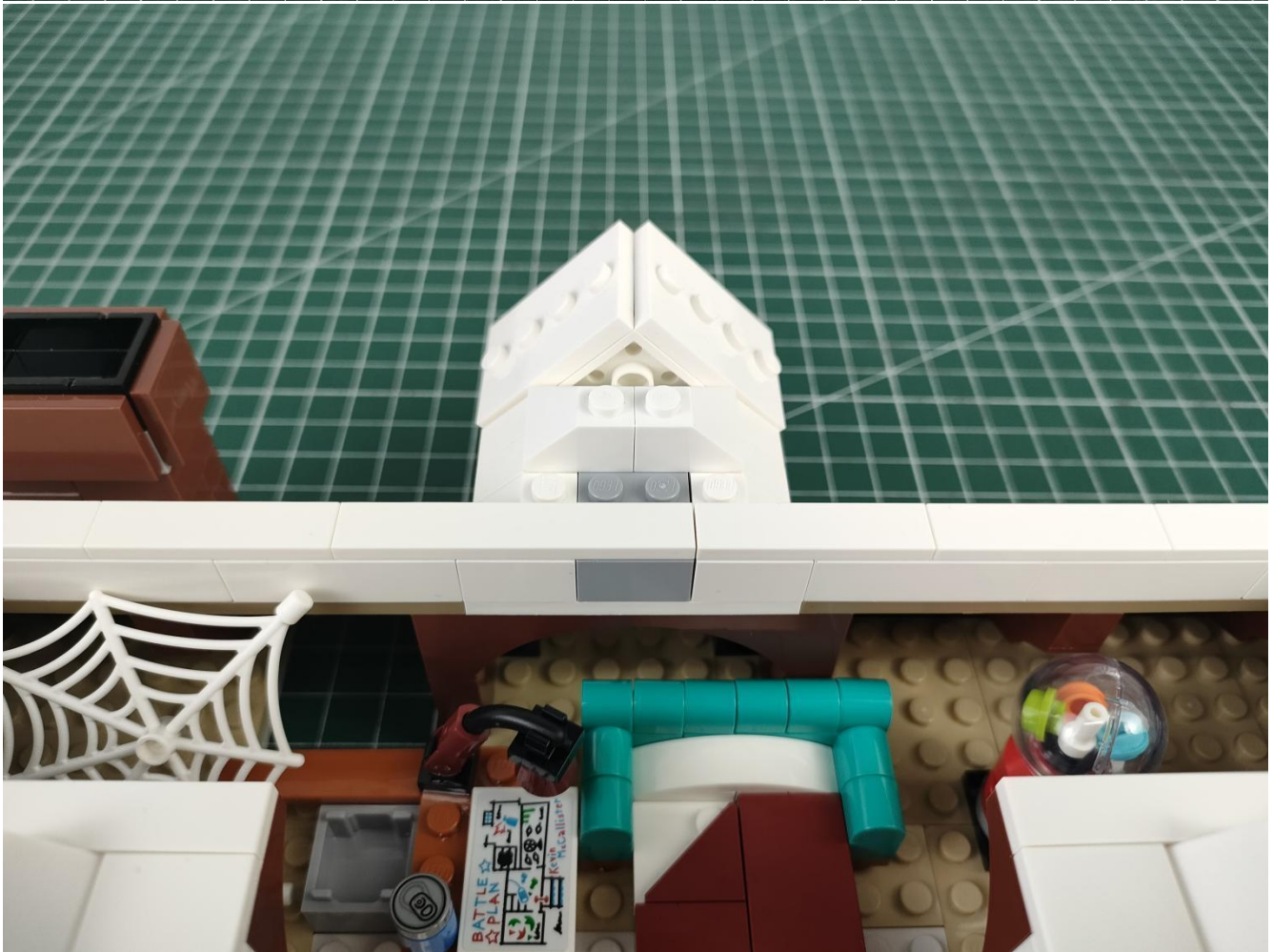
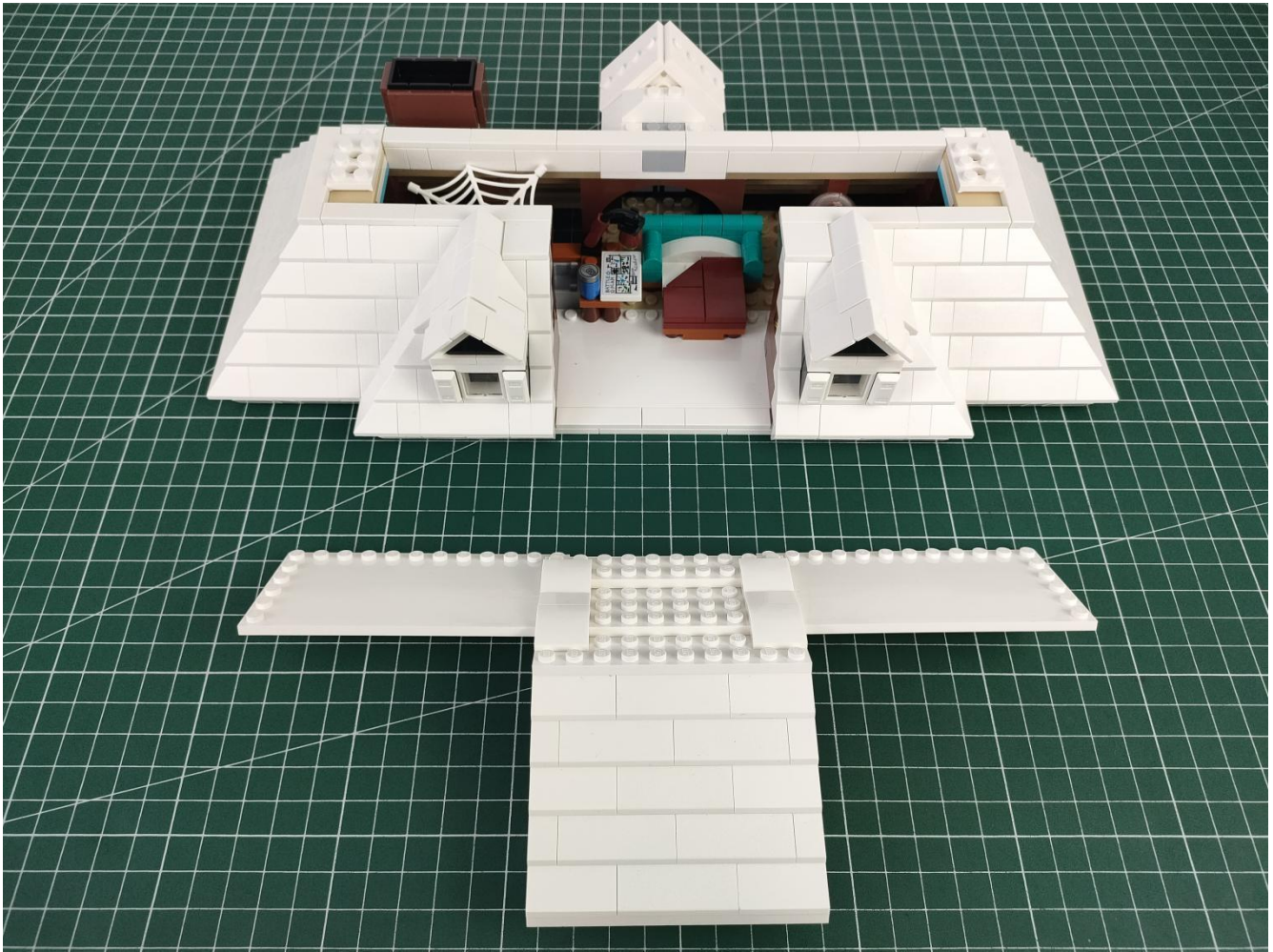




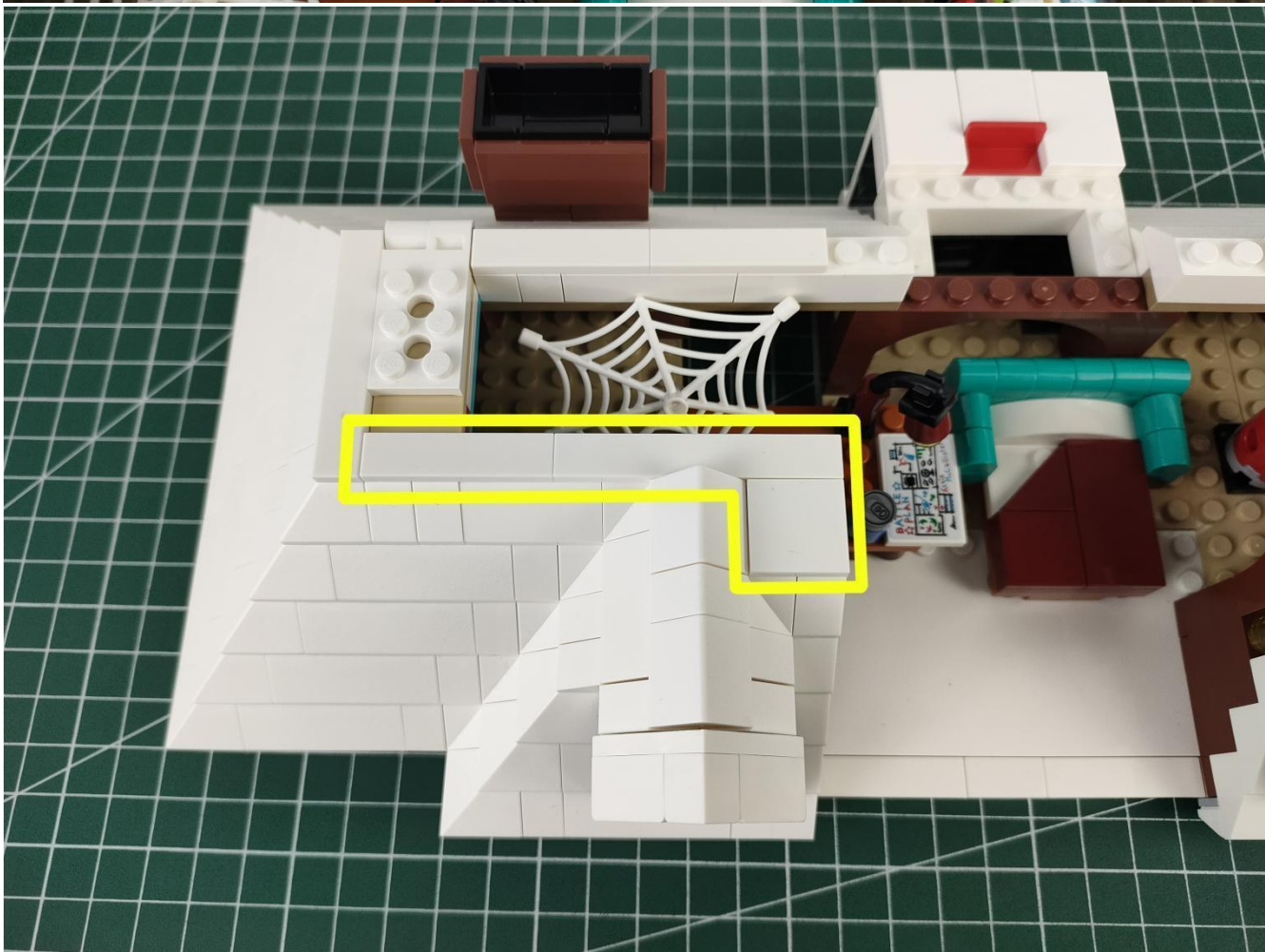




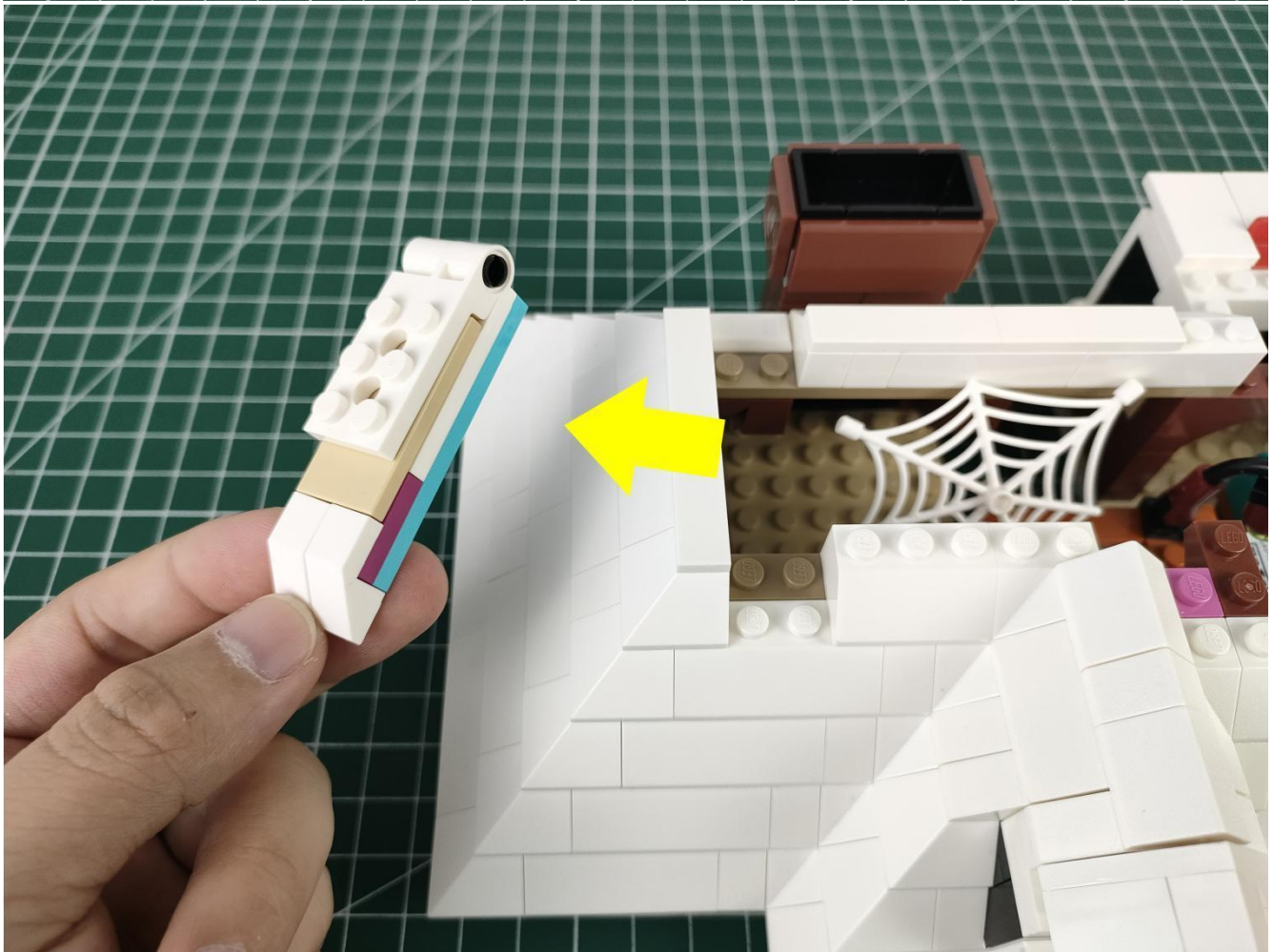
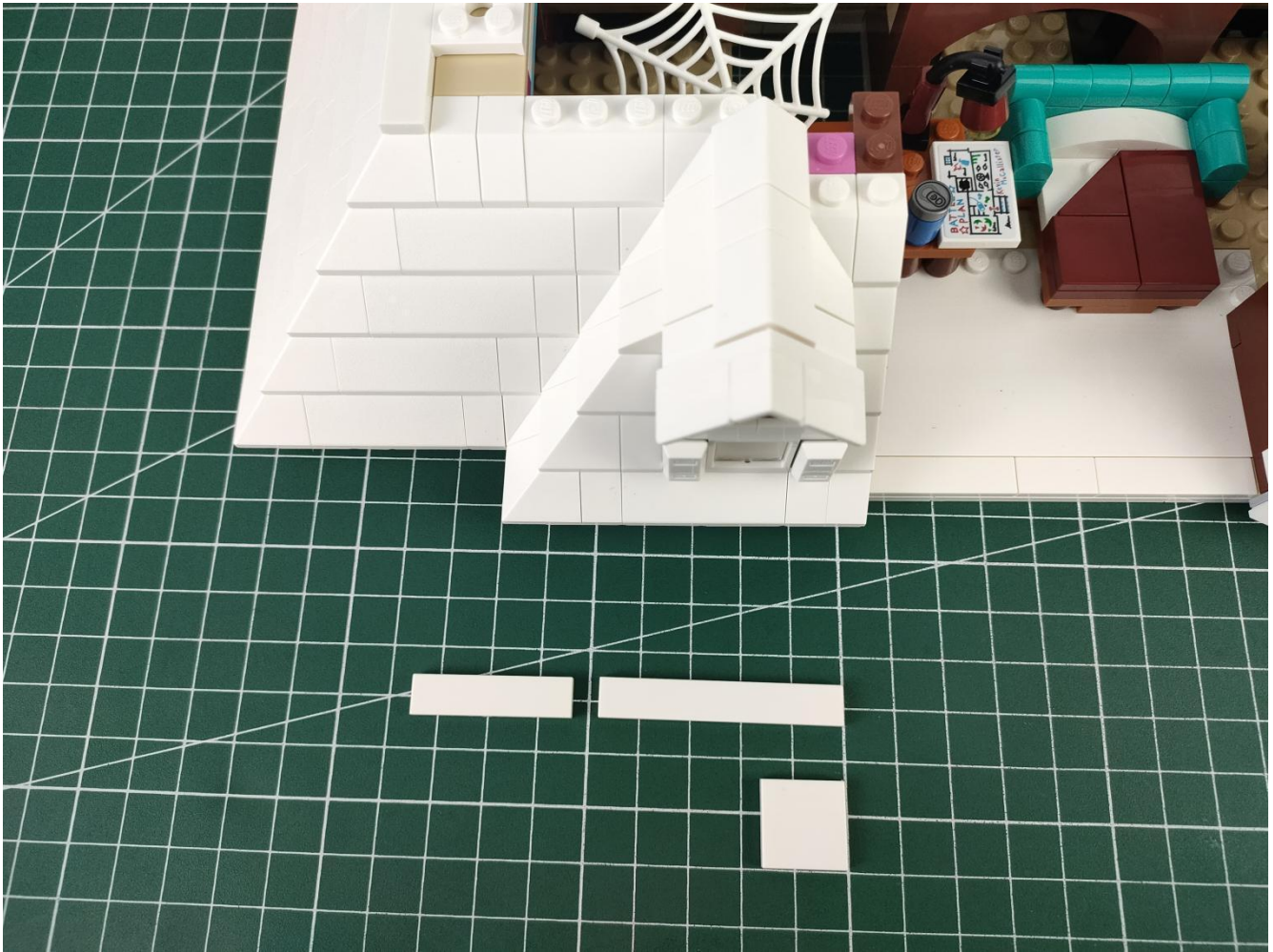




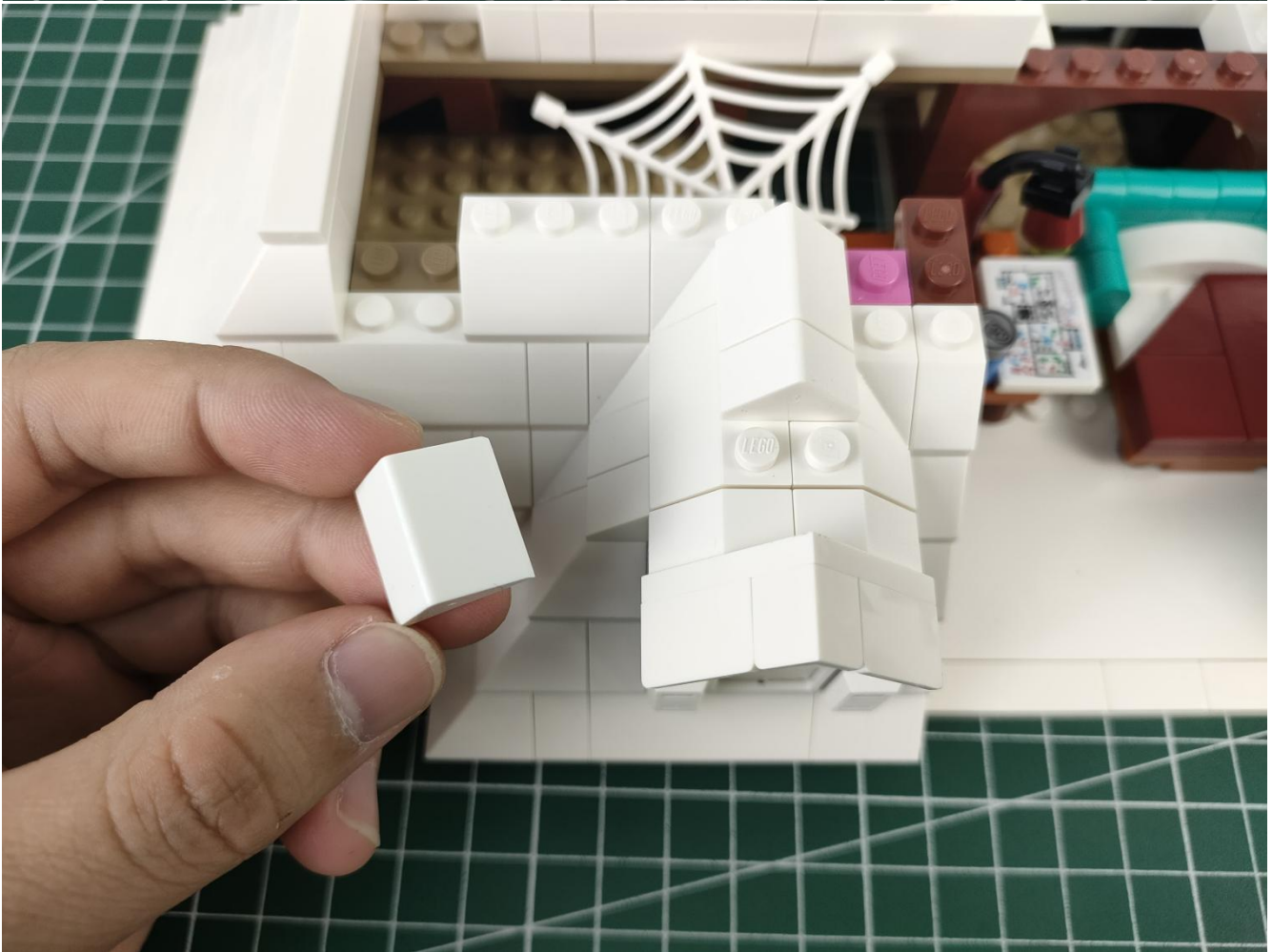
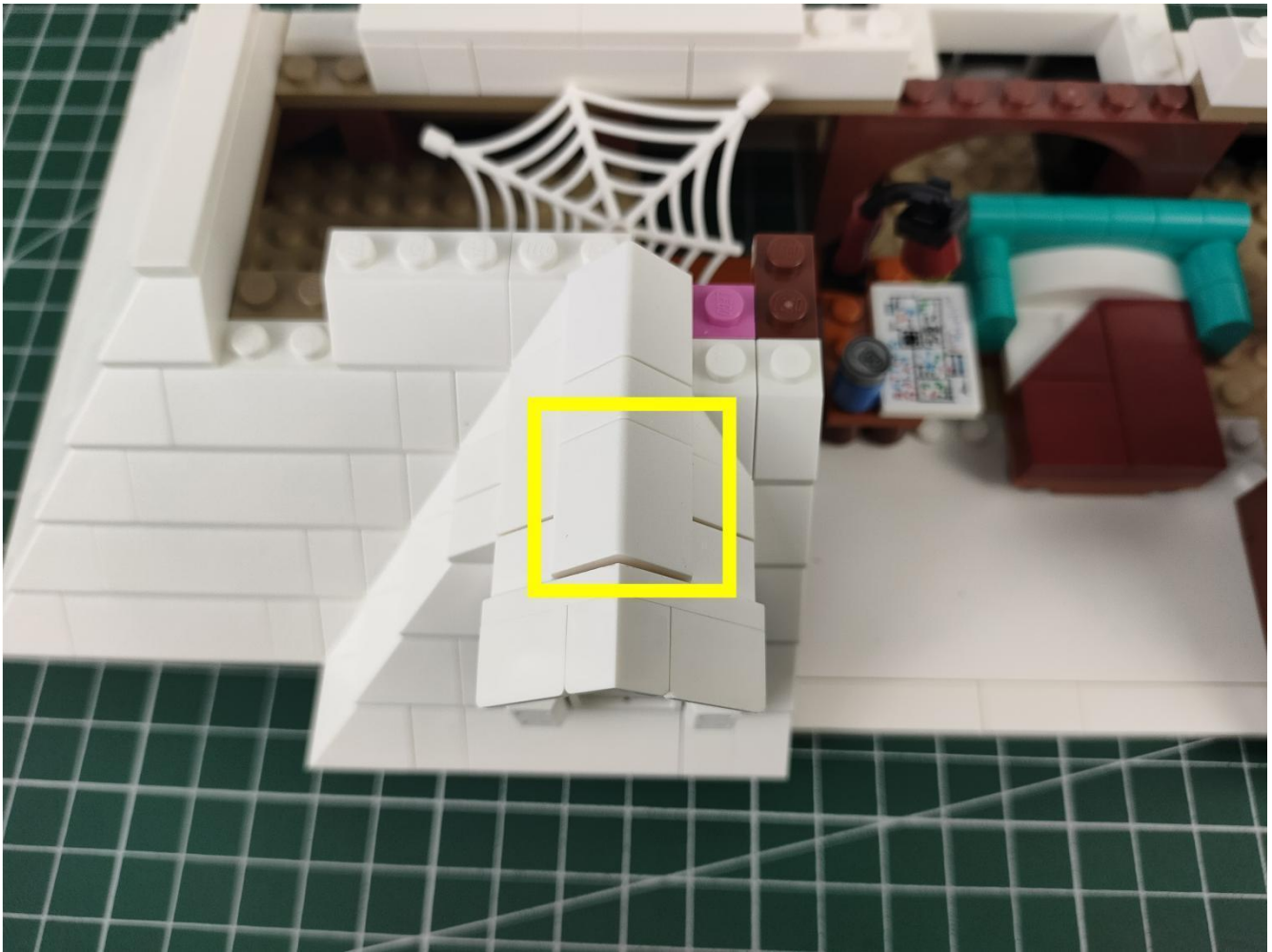




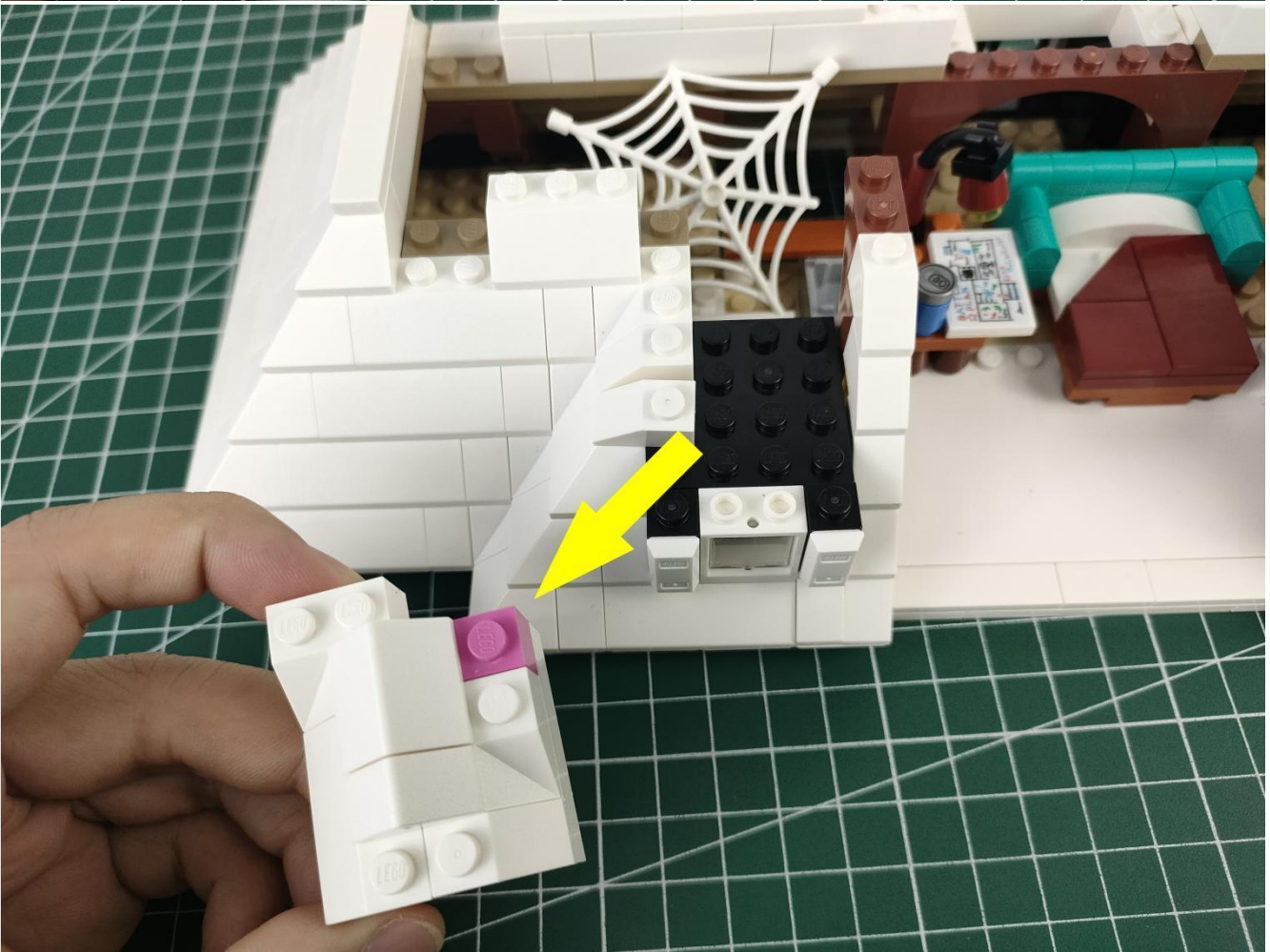
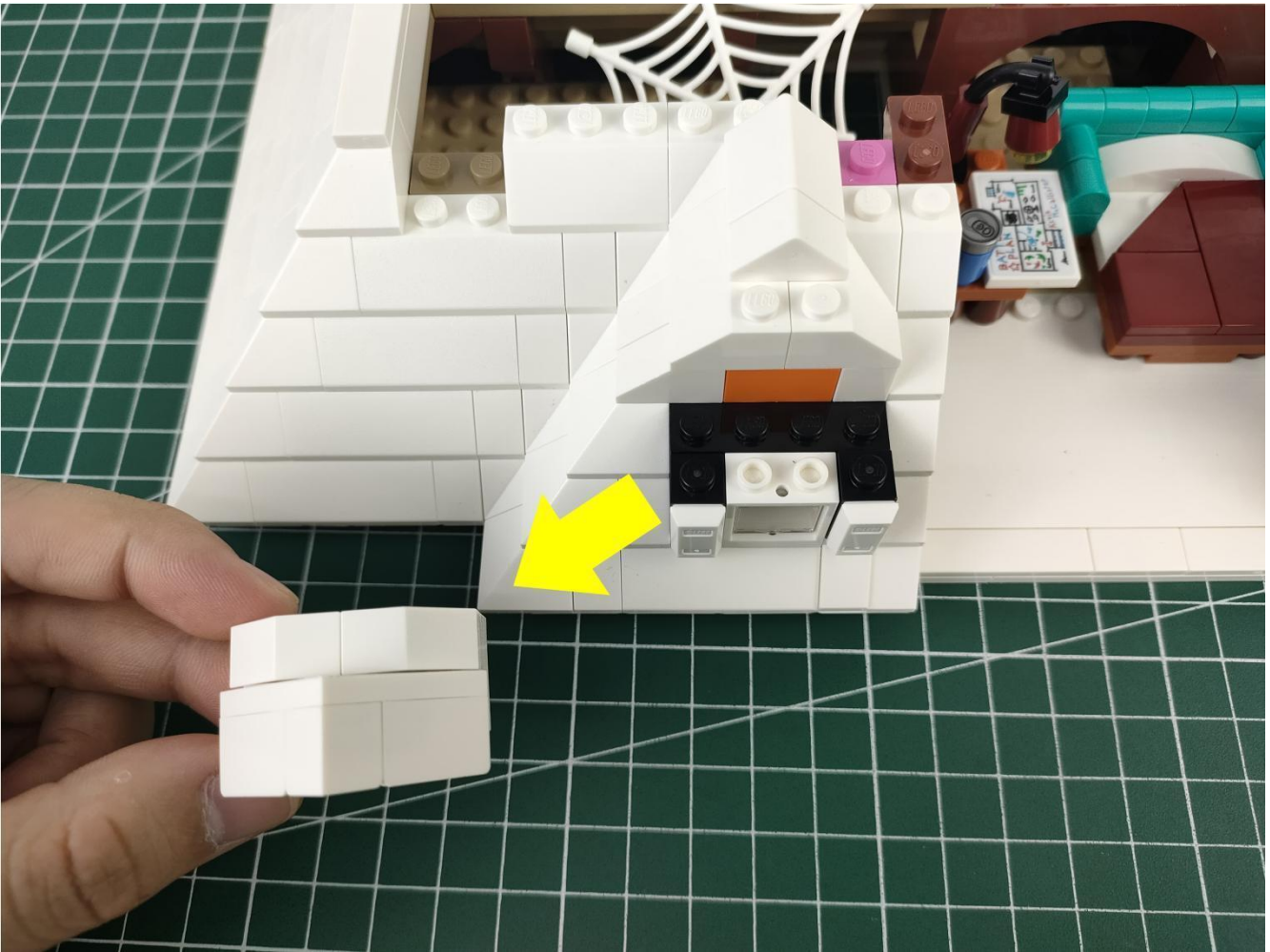




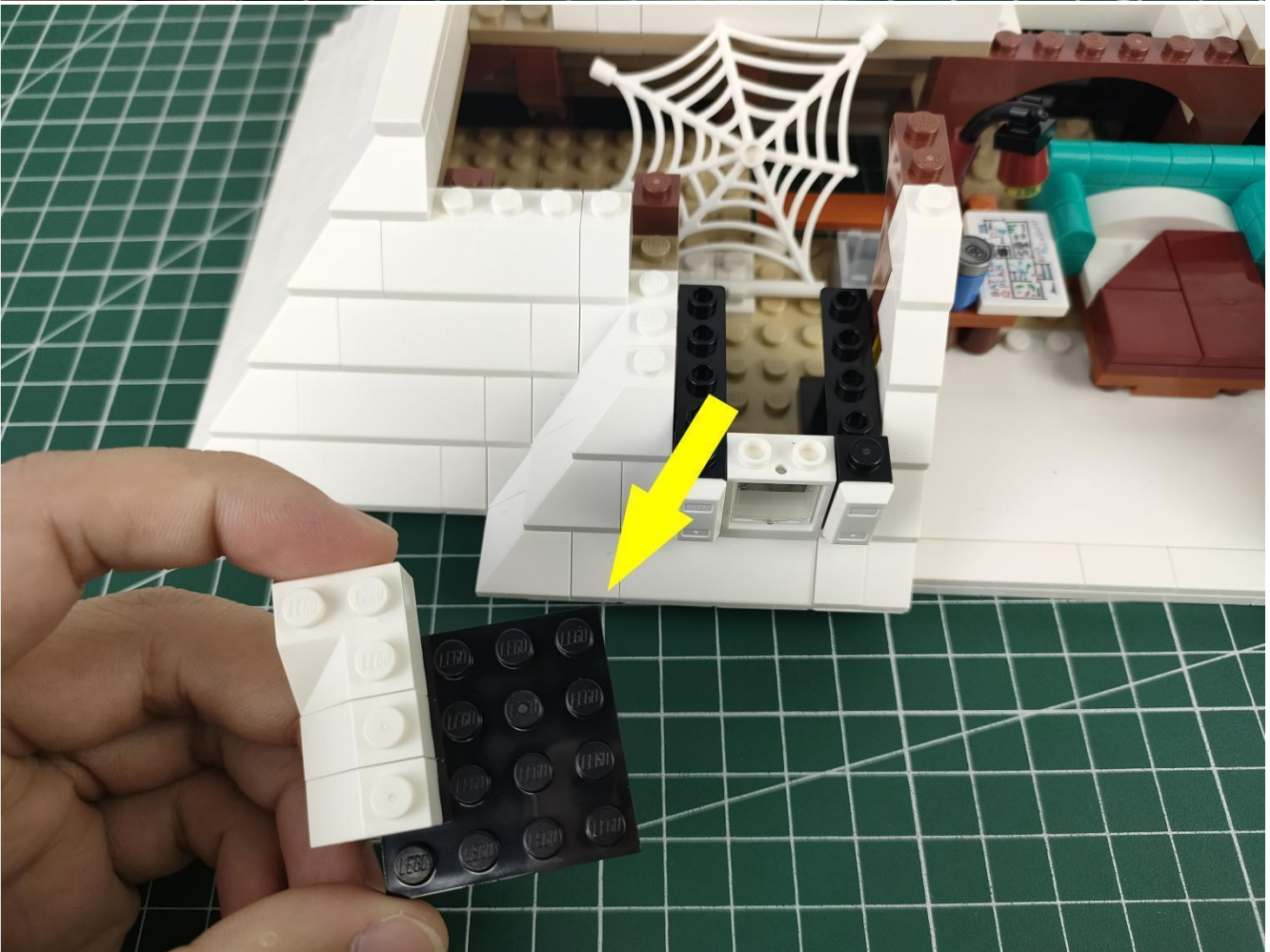
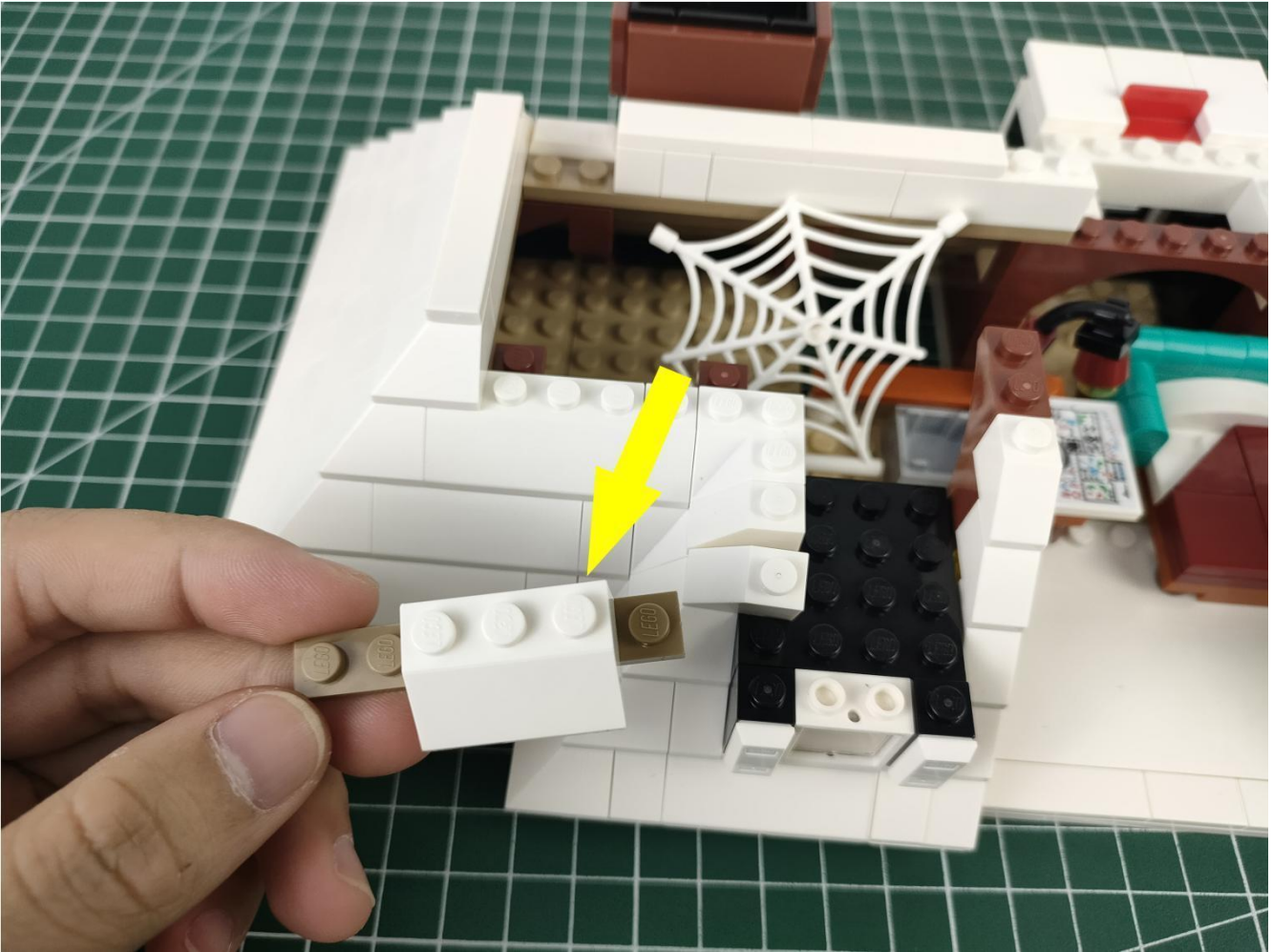
















30CM大灯粒暖白  
Headlights-30CM  
-Warm White

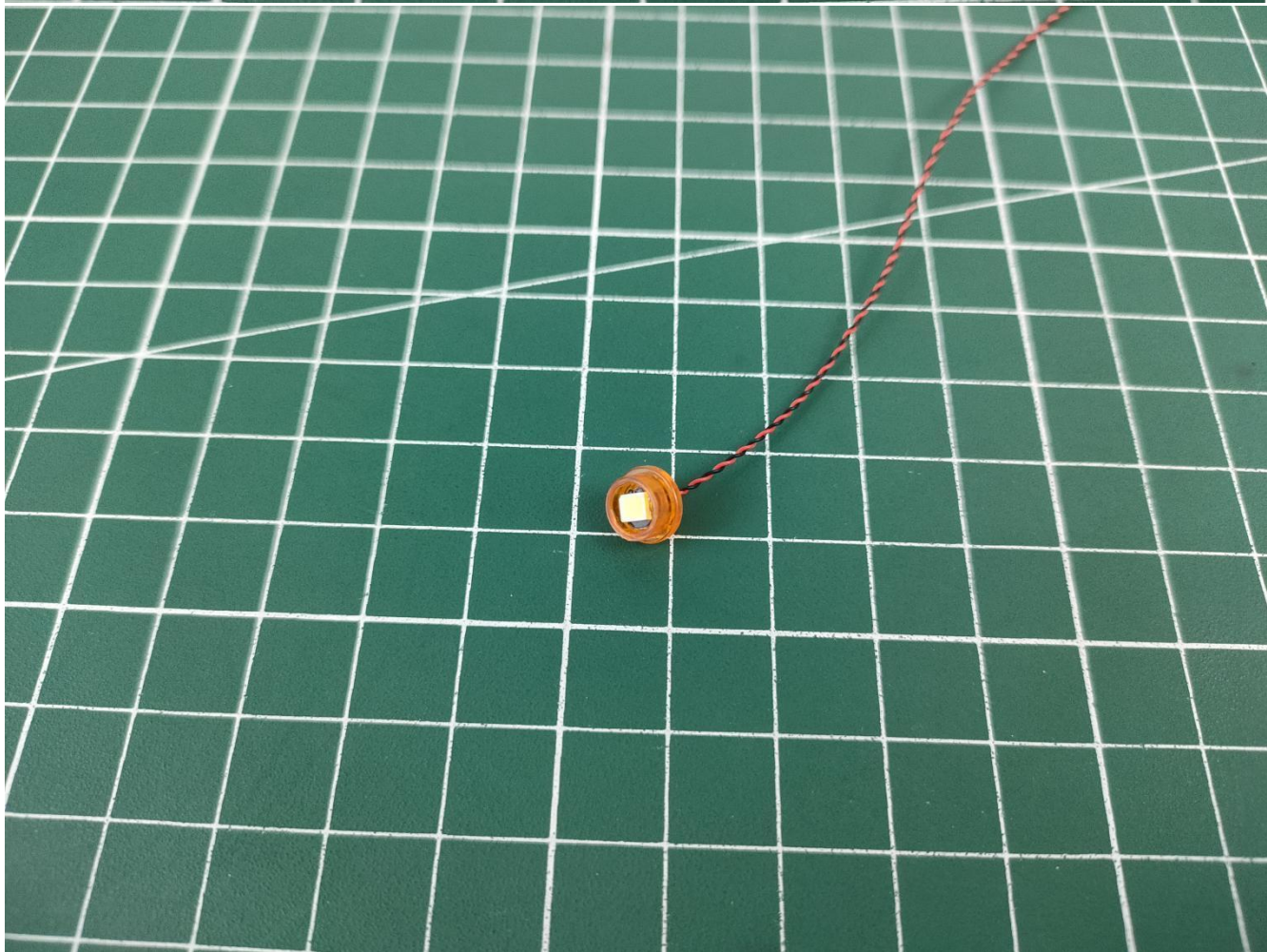
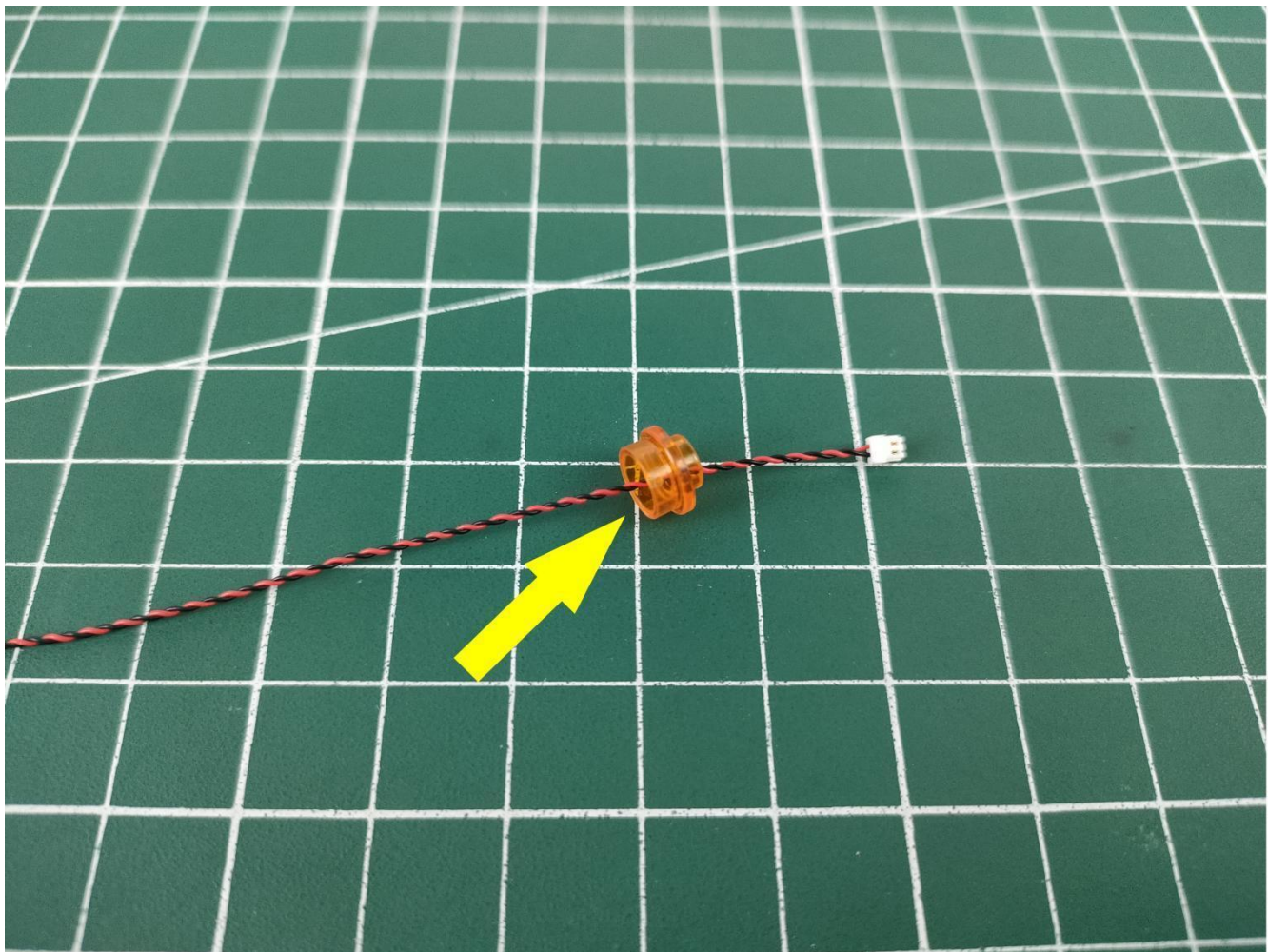




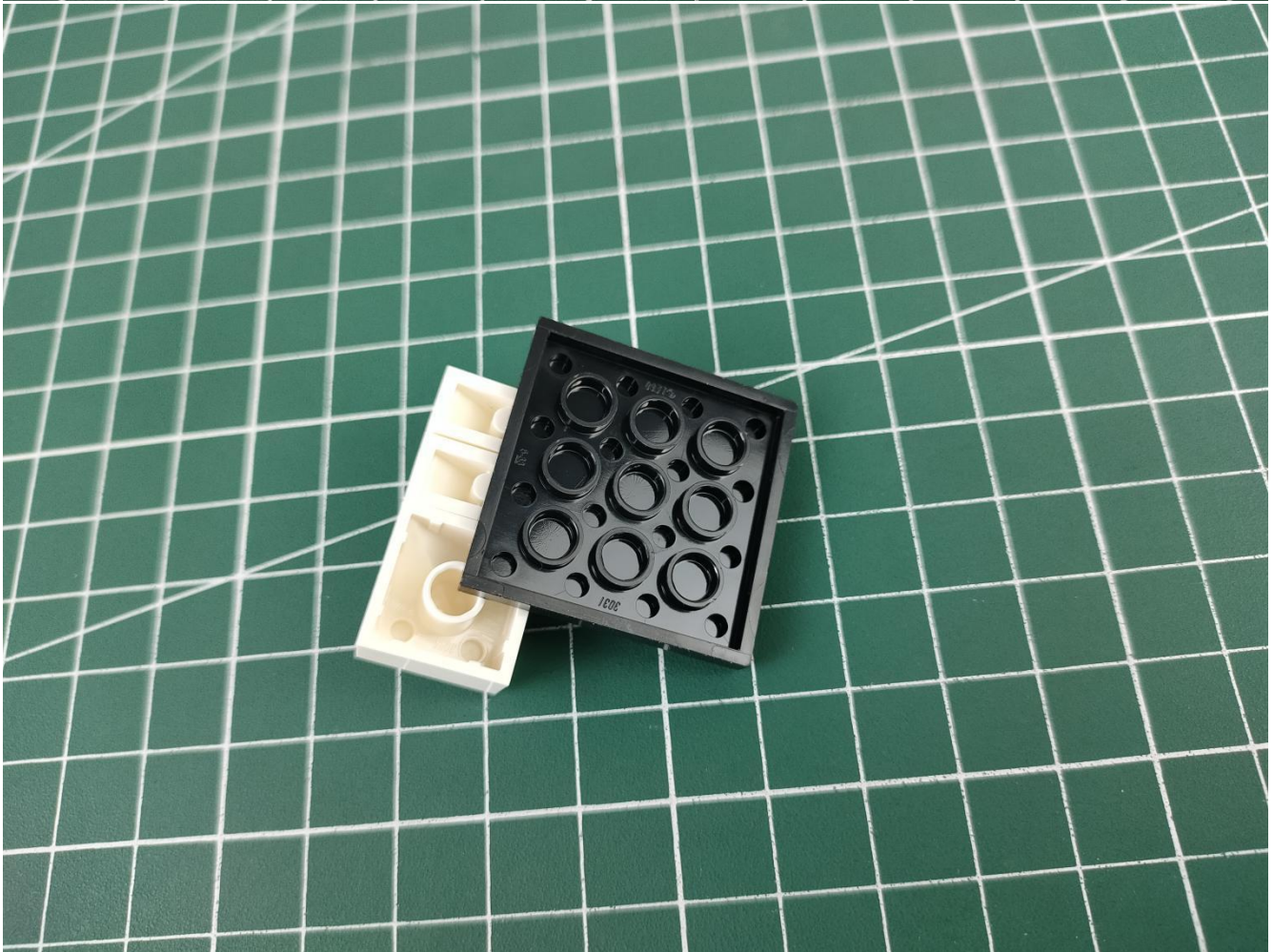
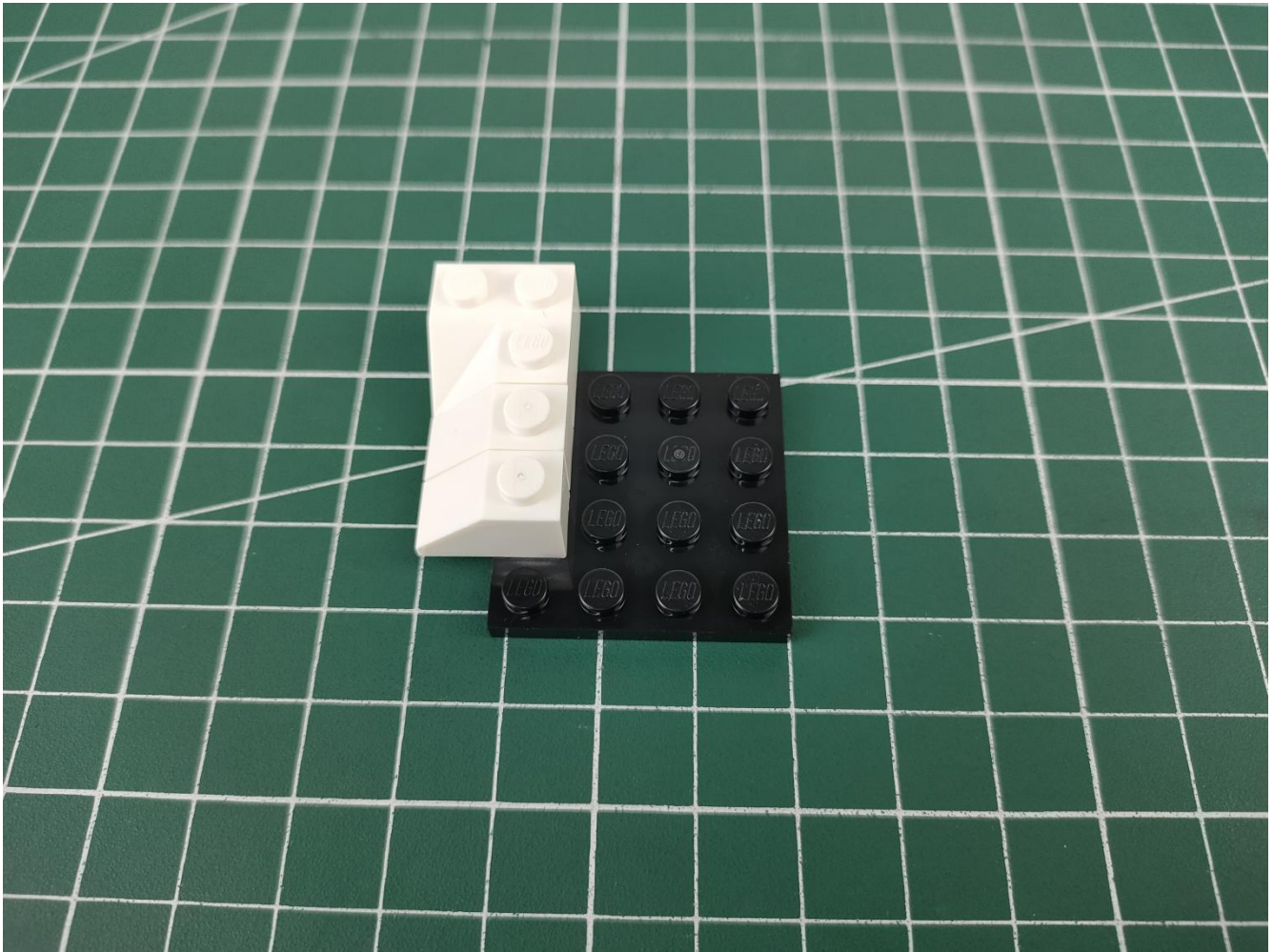
The small orange round plate has no cuts.



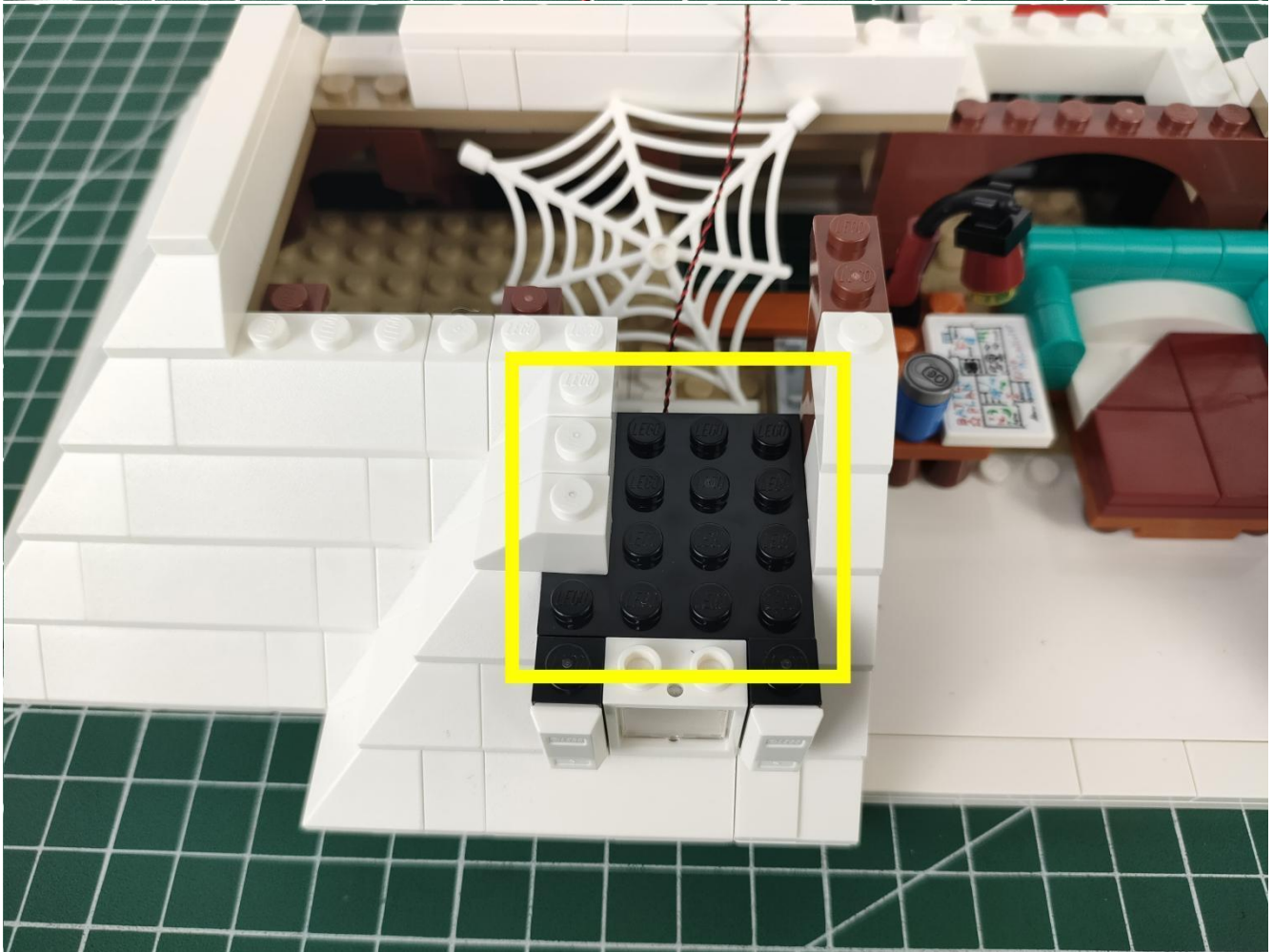
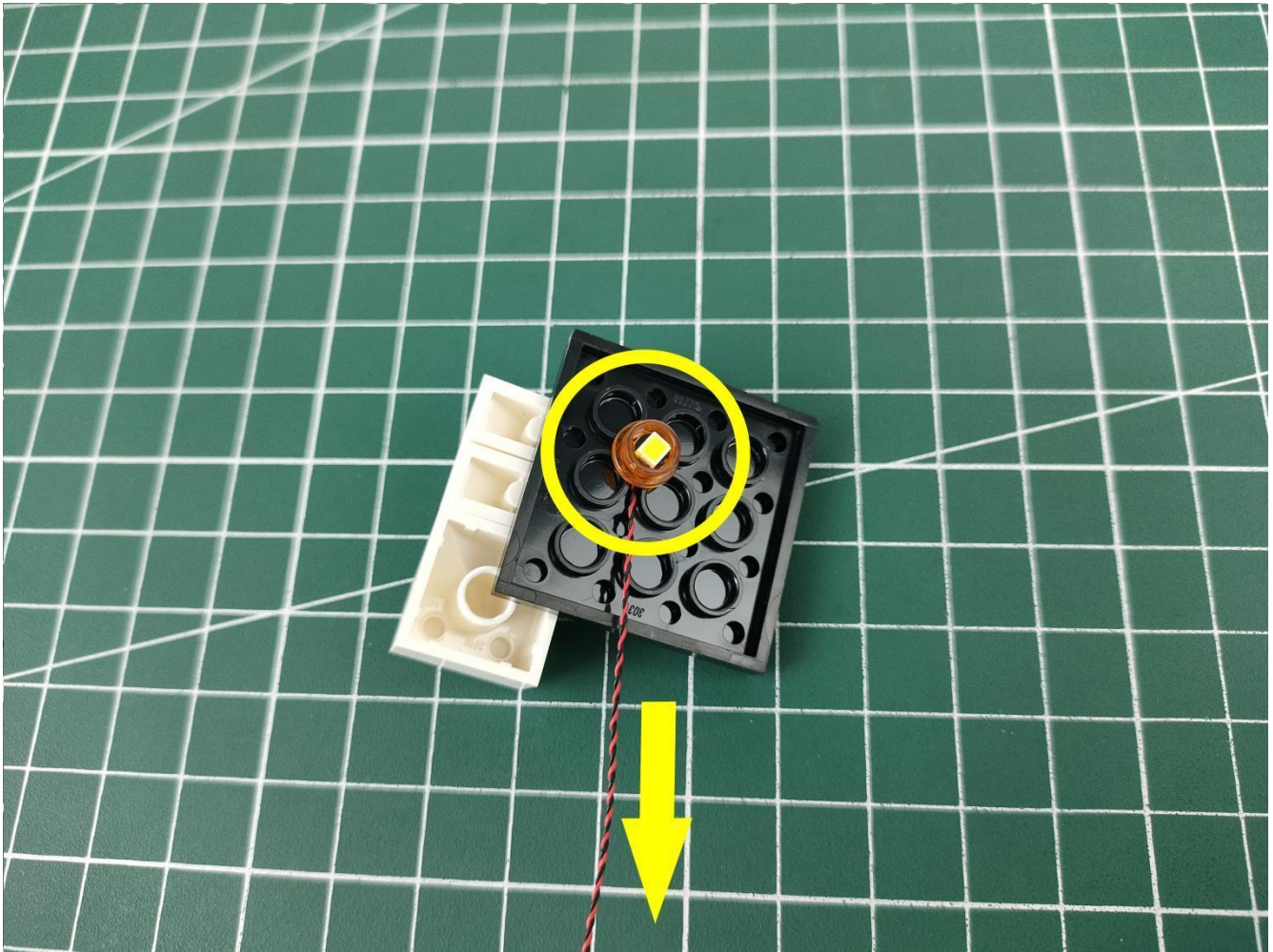




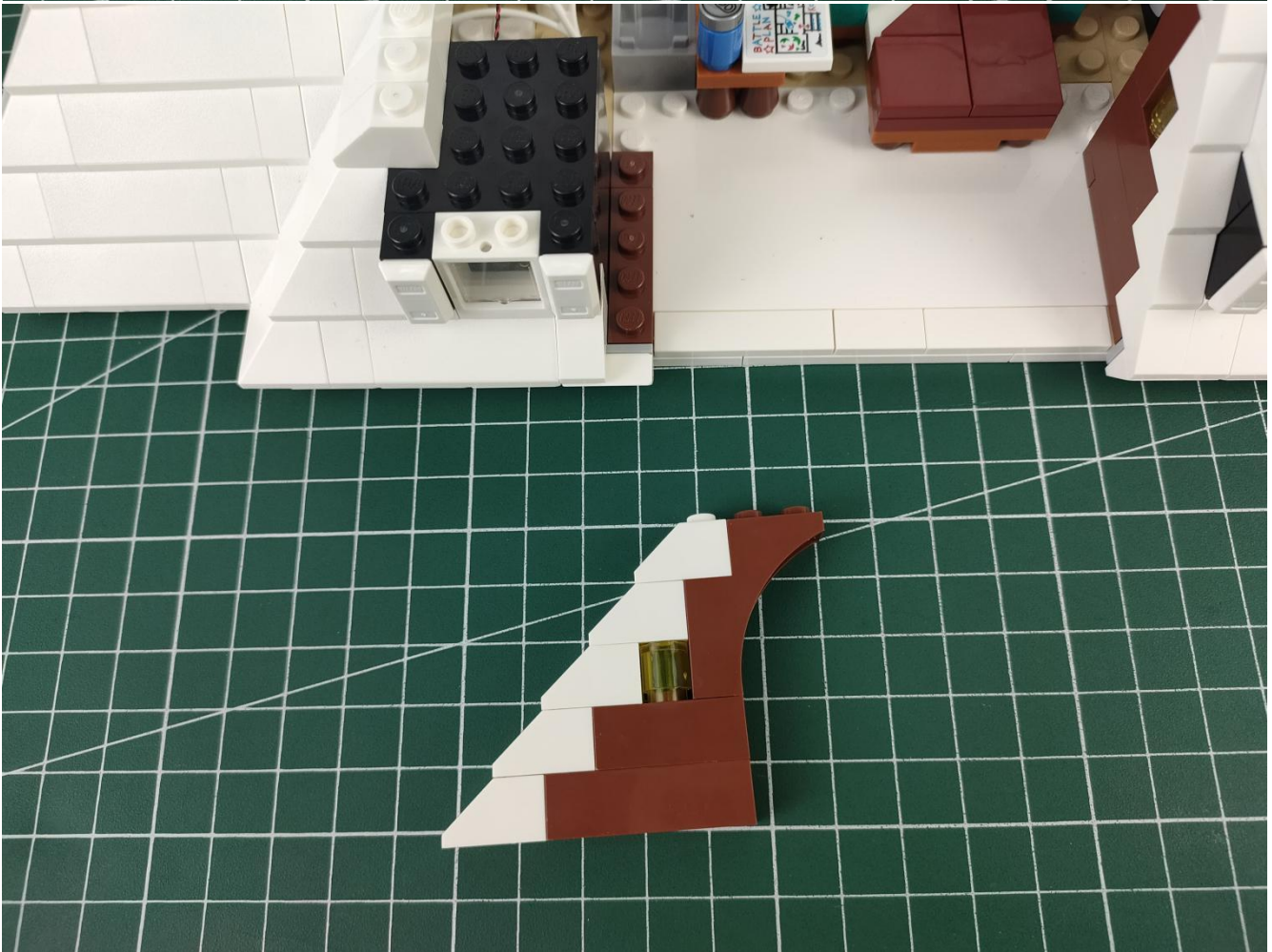
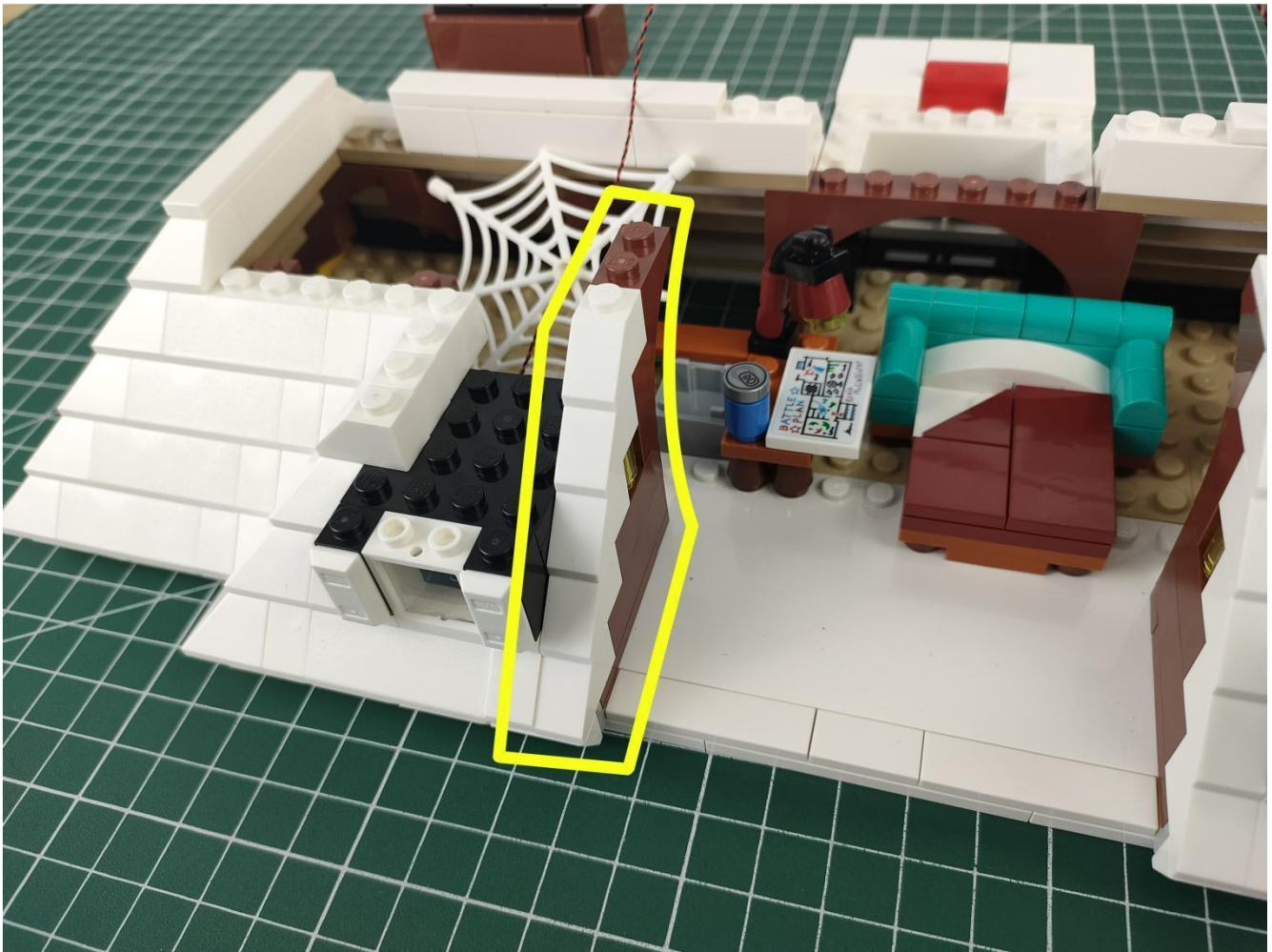




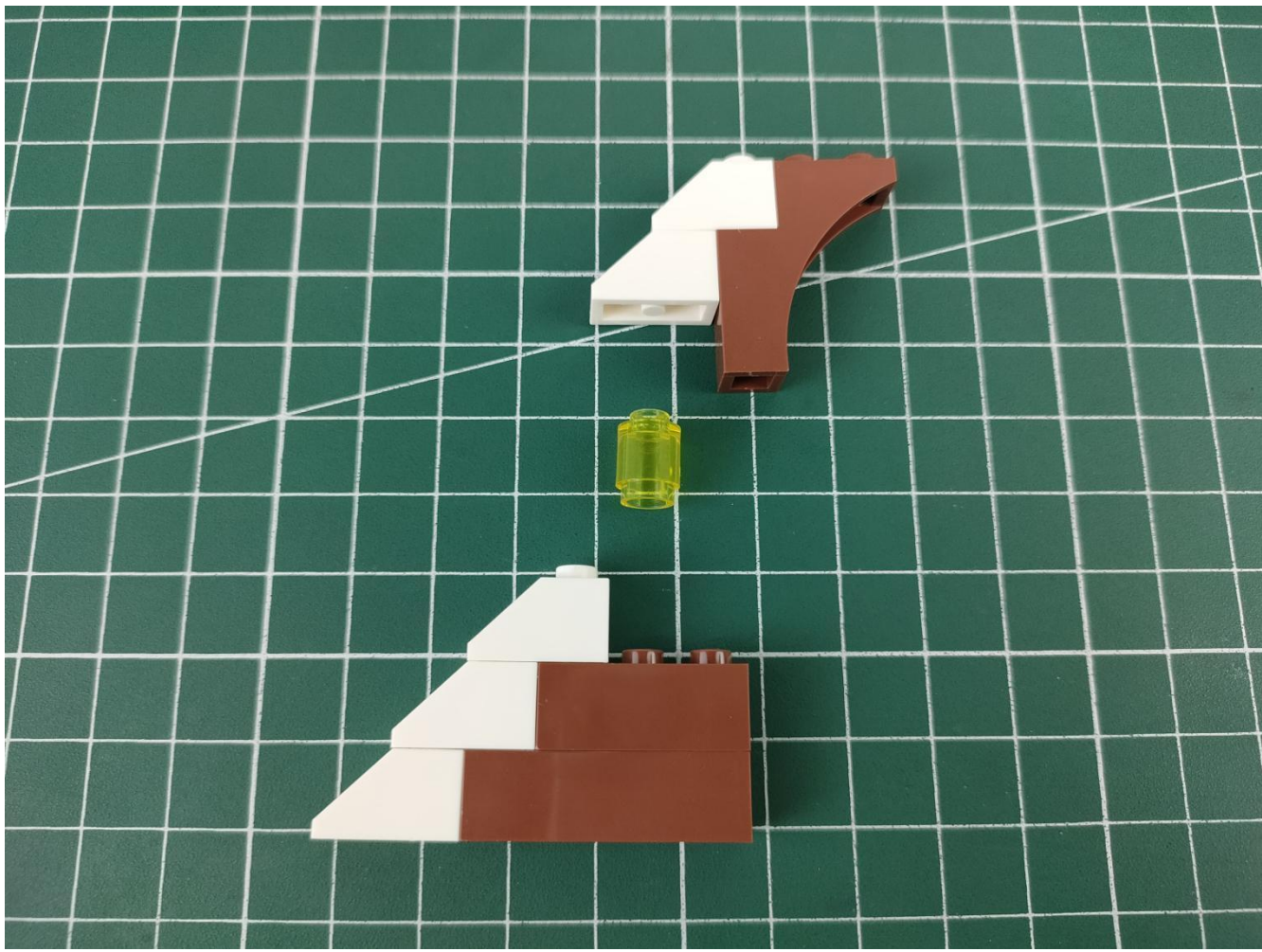




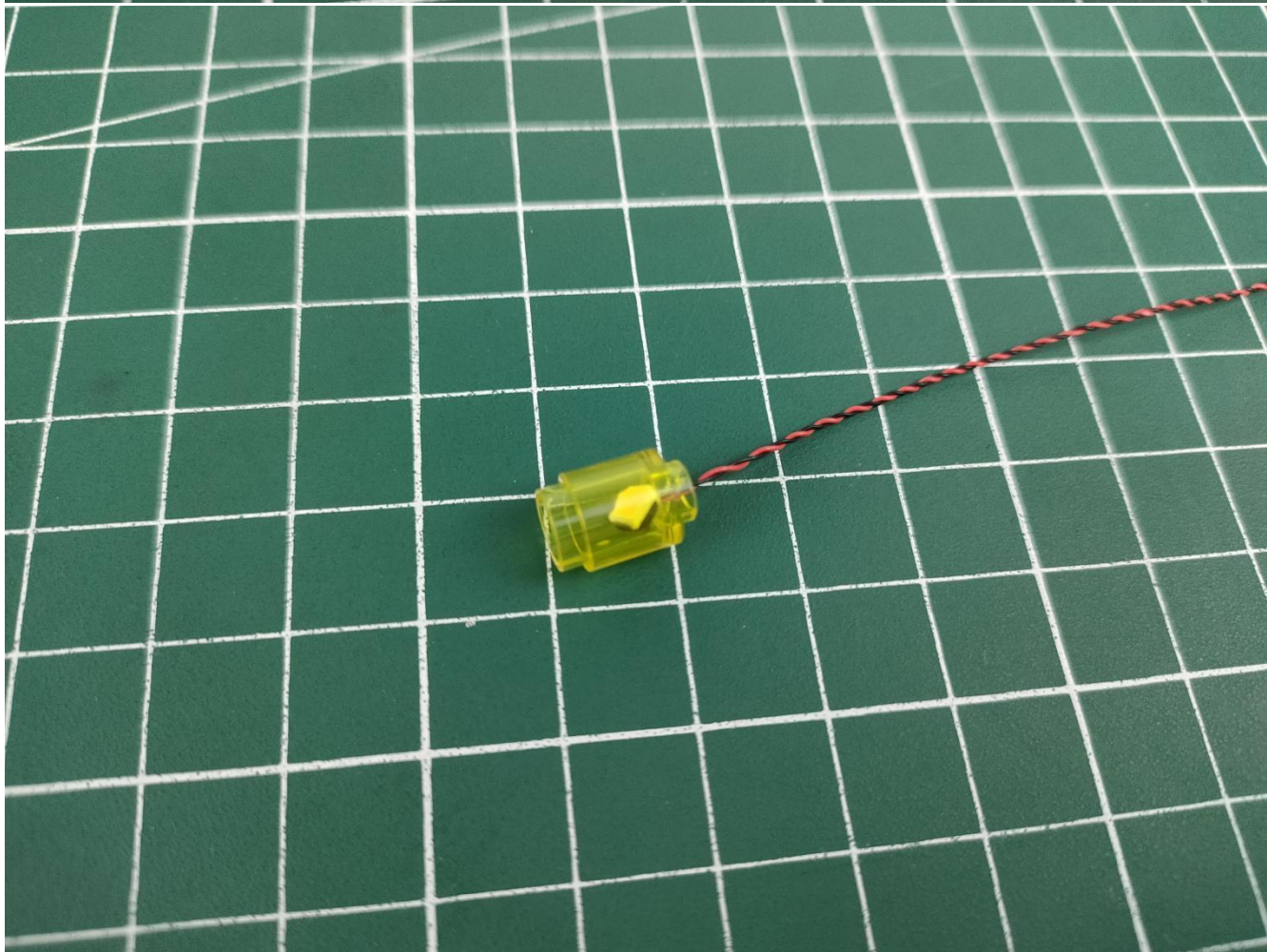
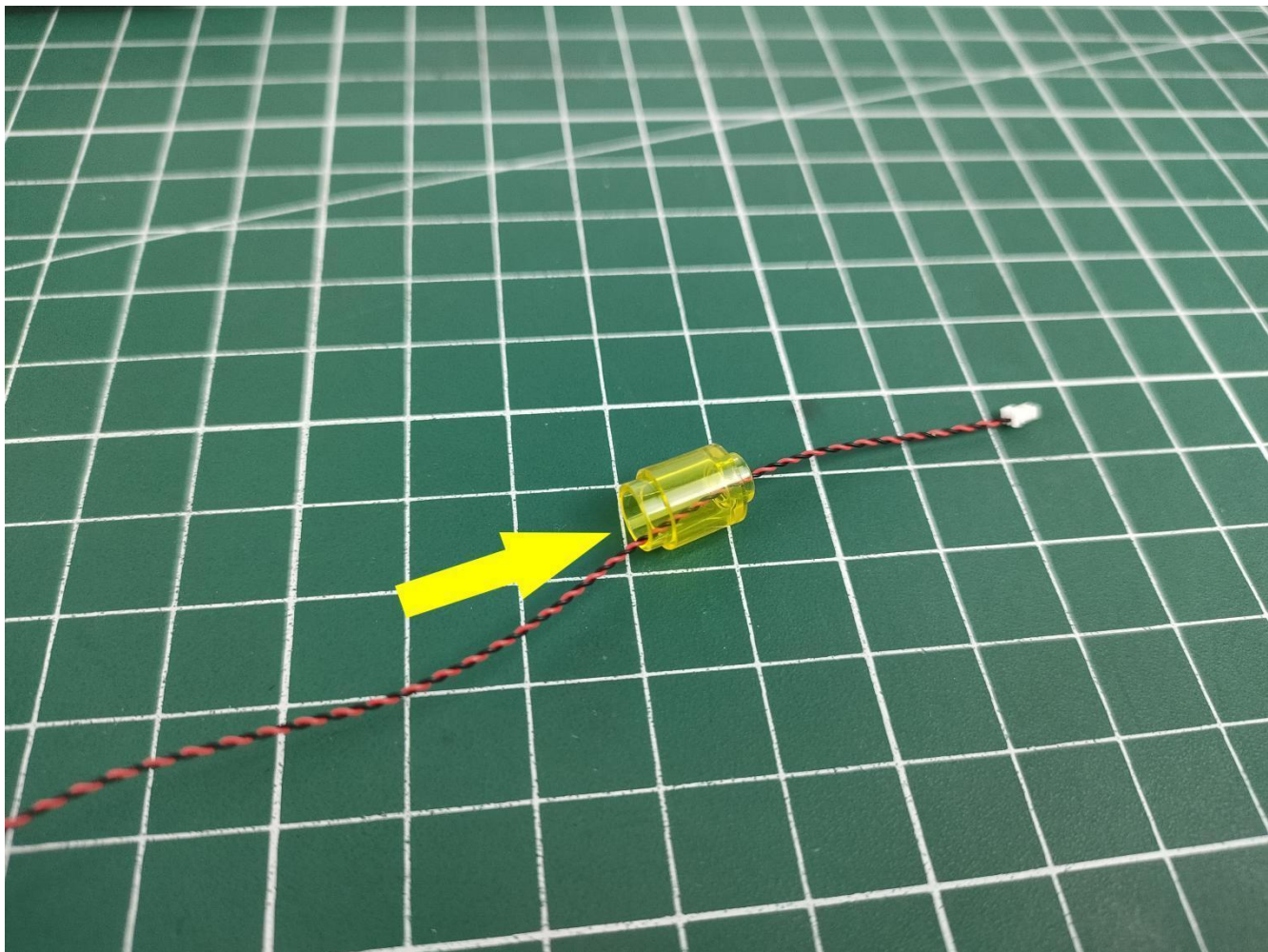






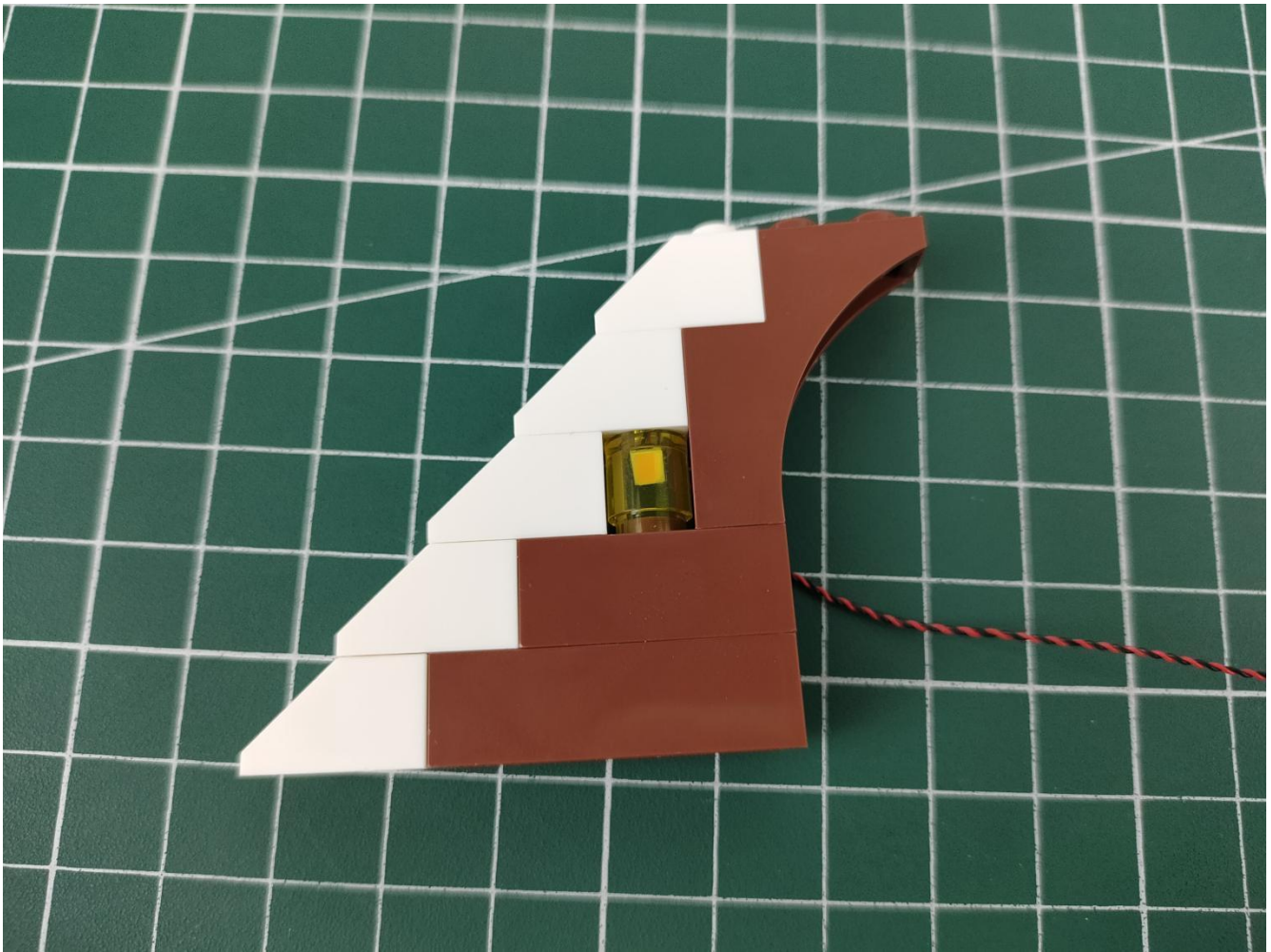




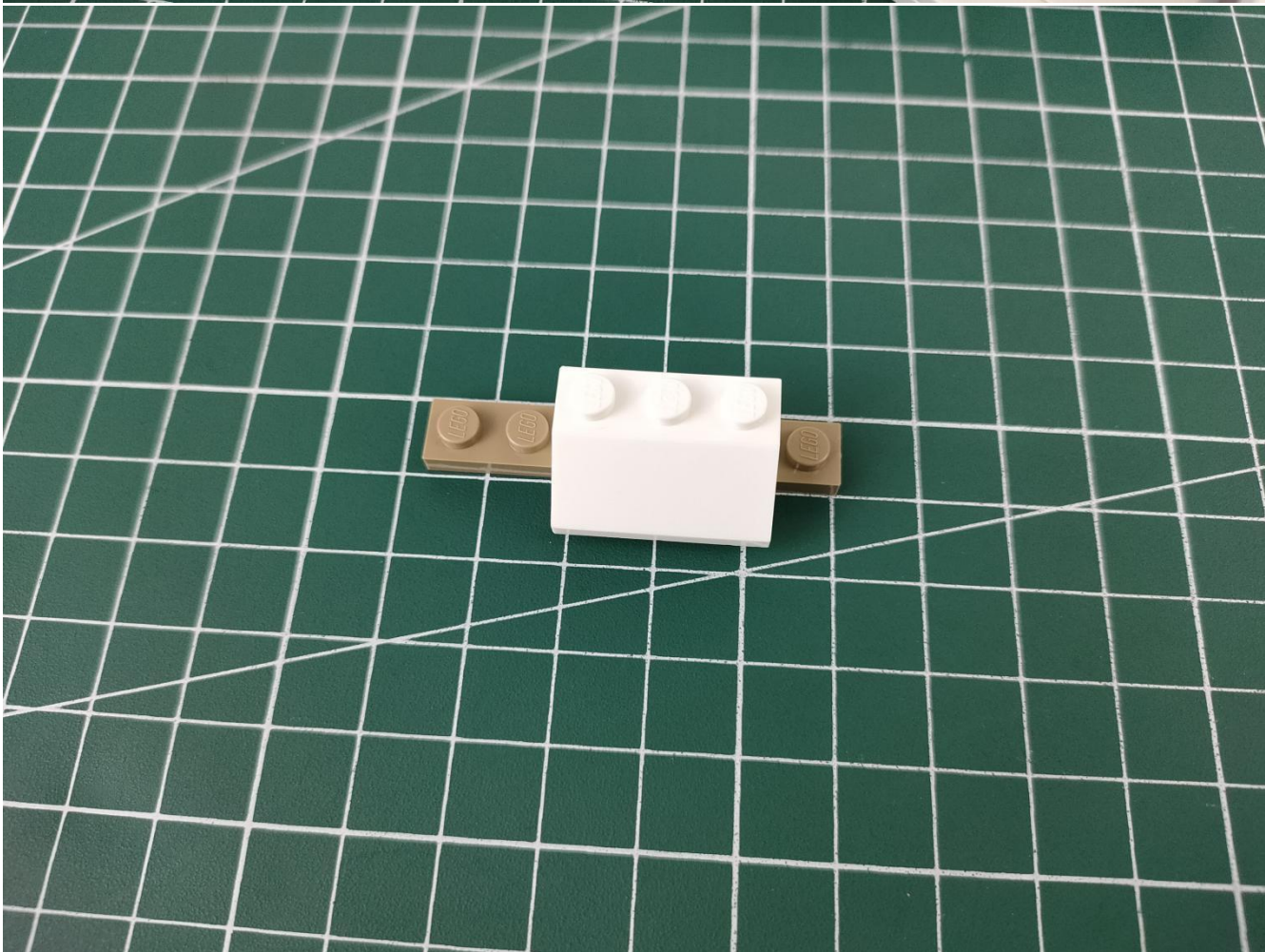
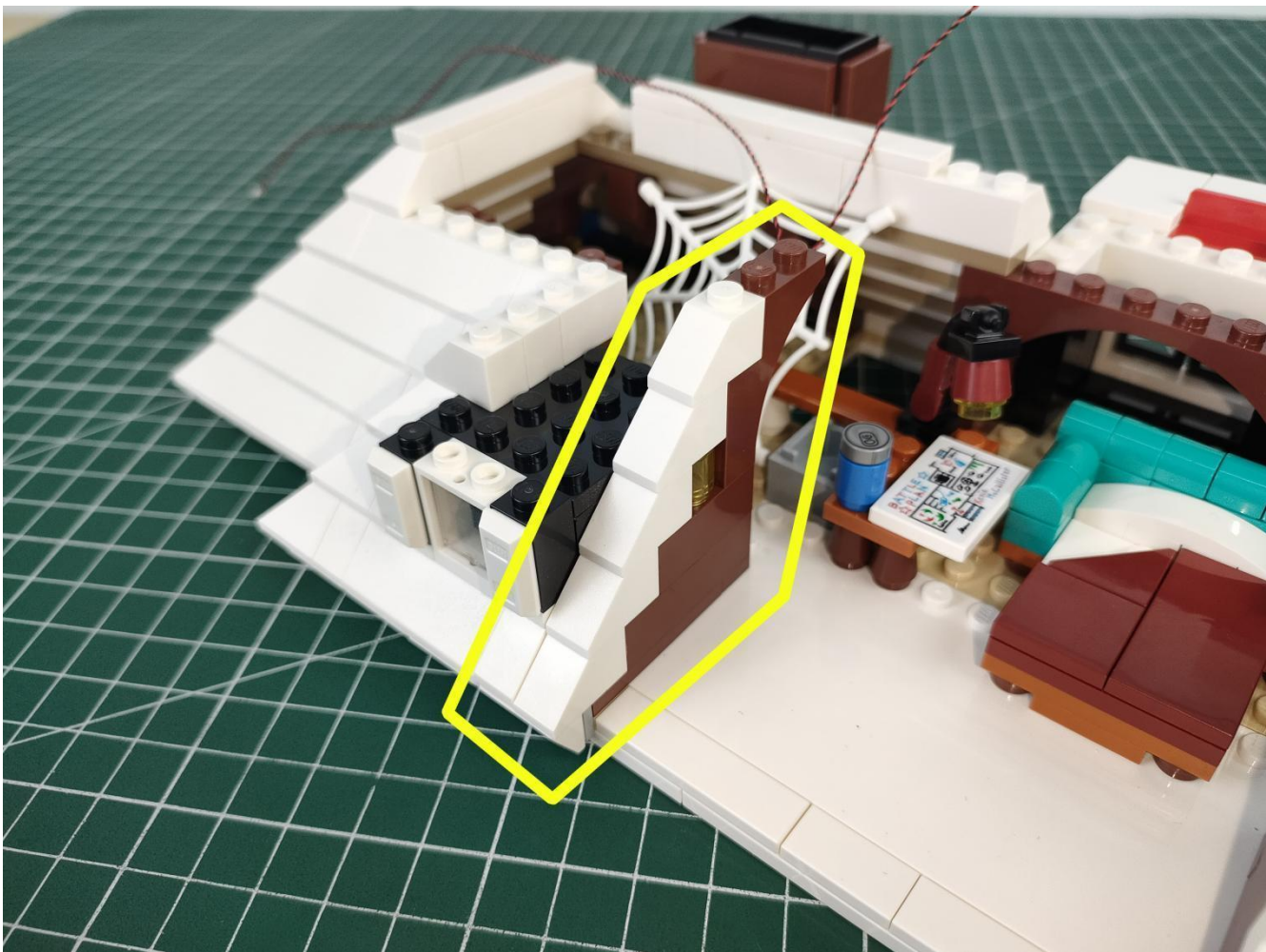




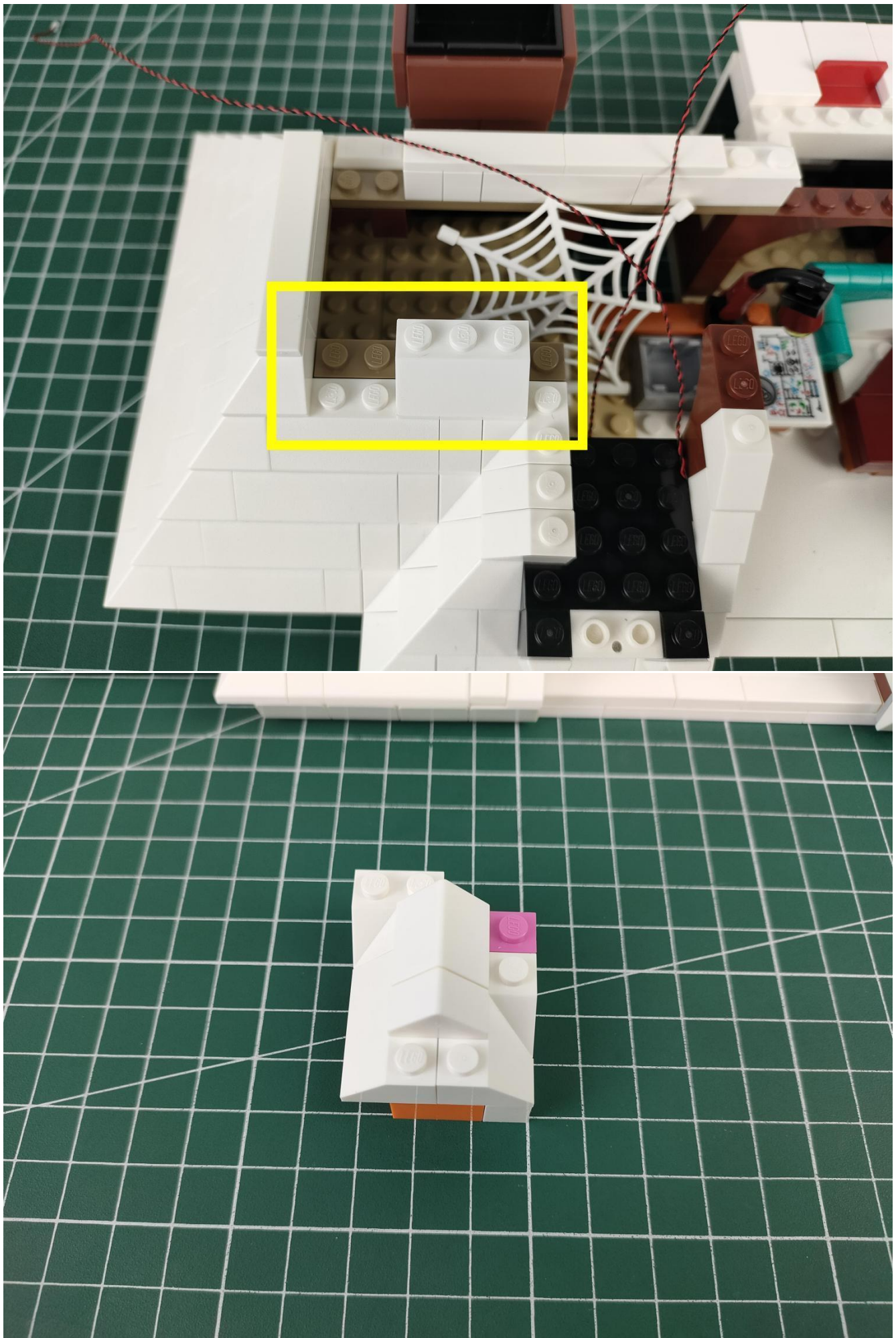
**Restore the blocks. At this time, the light-emitting surface of the lamp particle faces itself.**



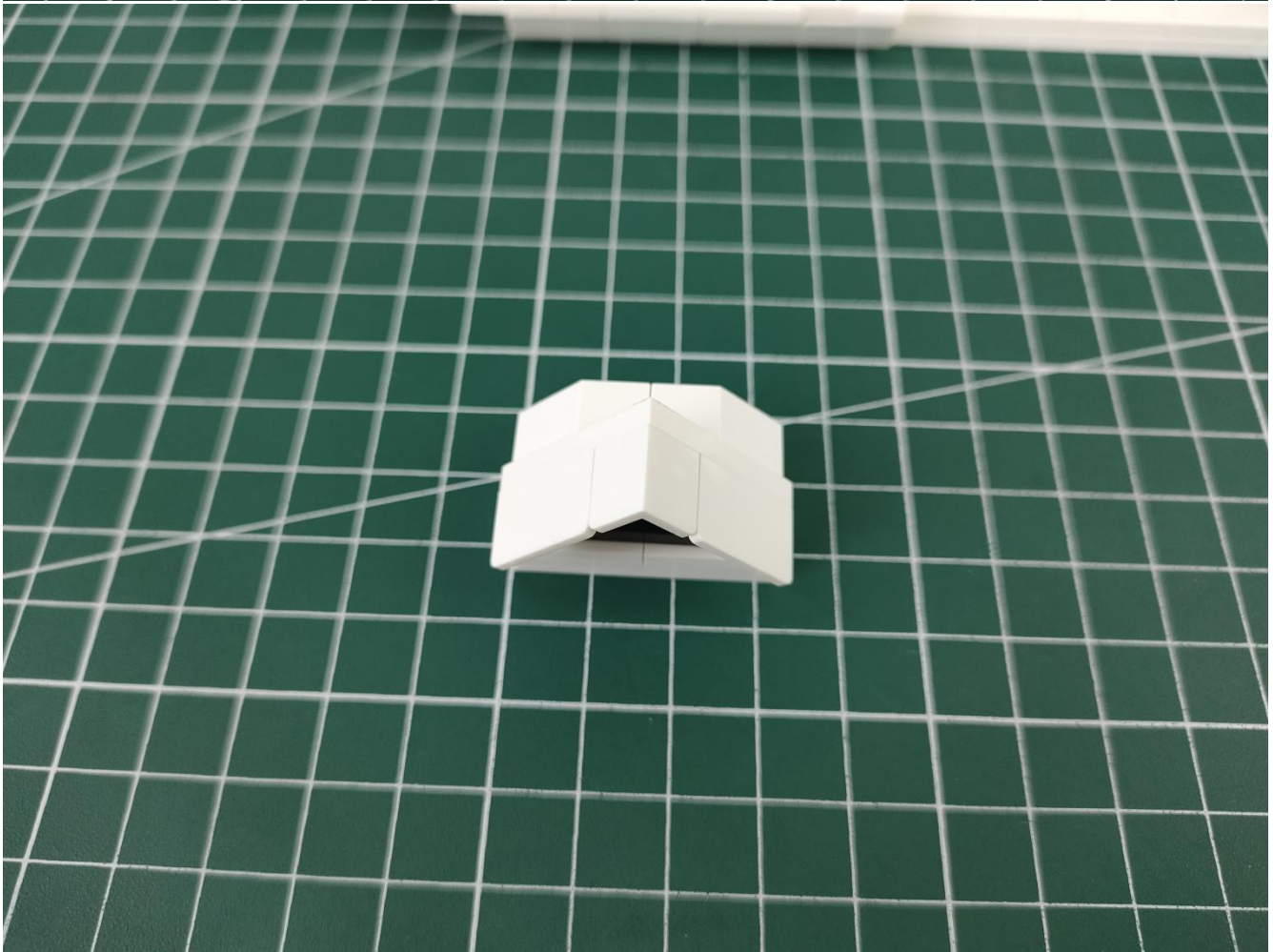
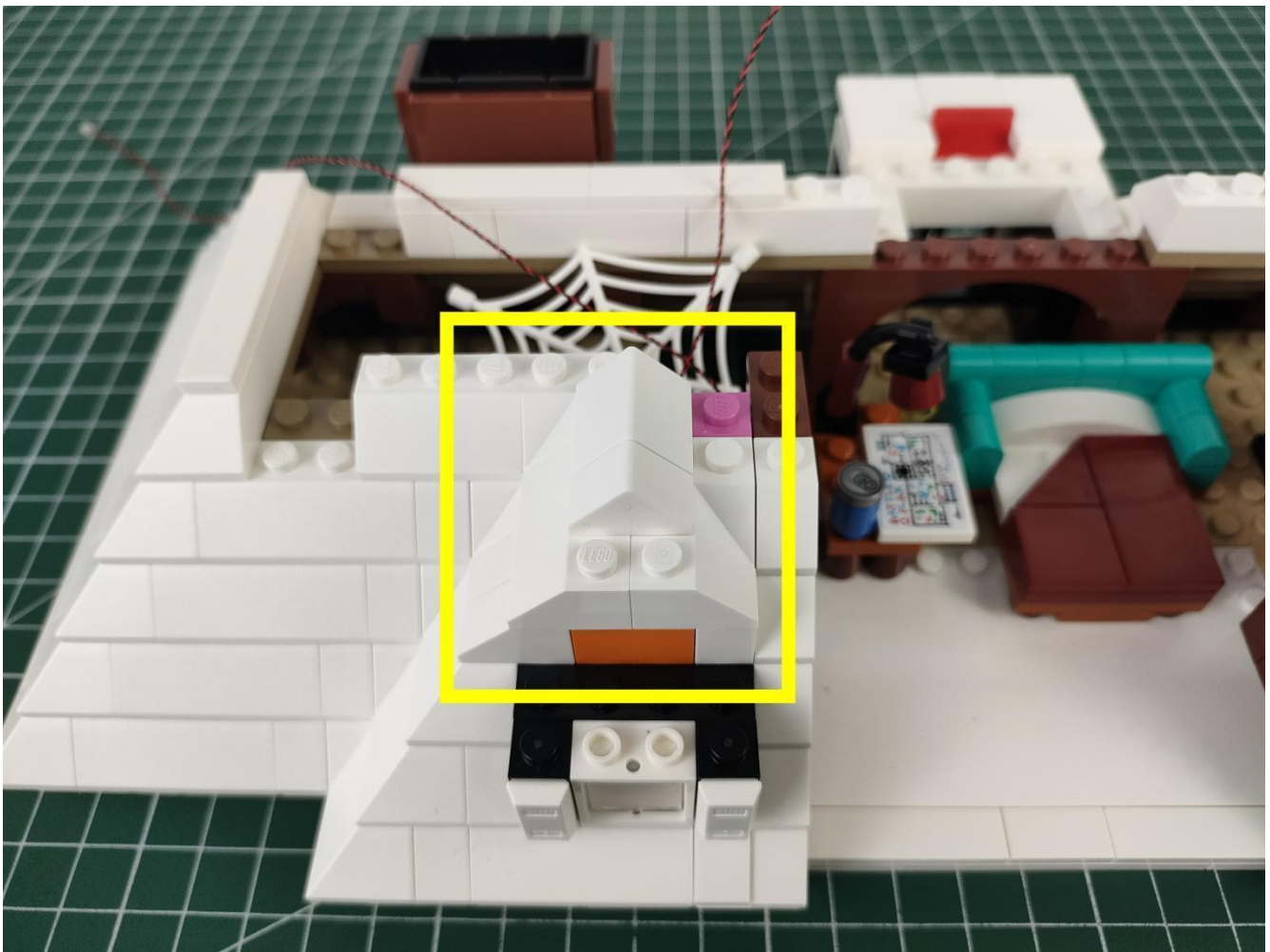




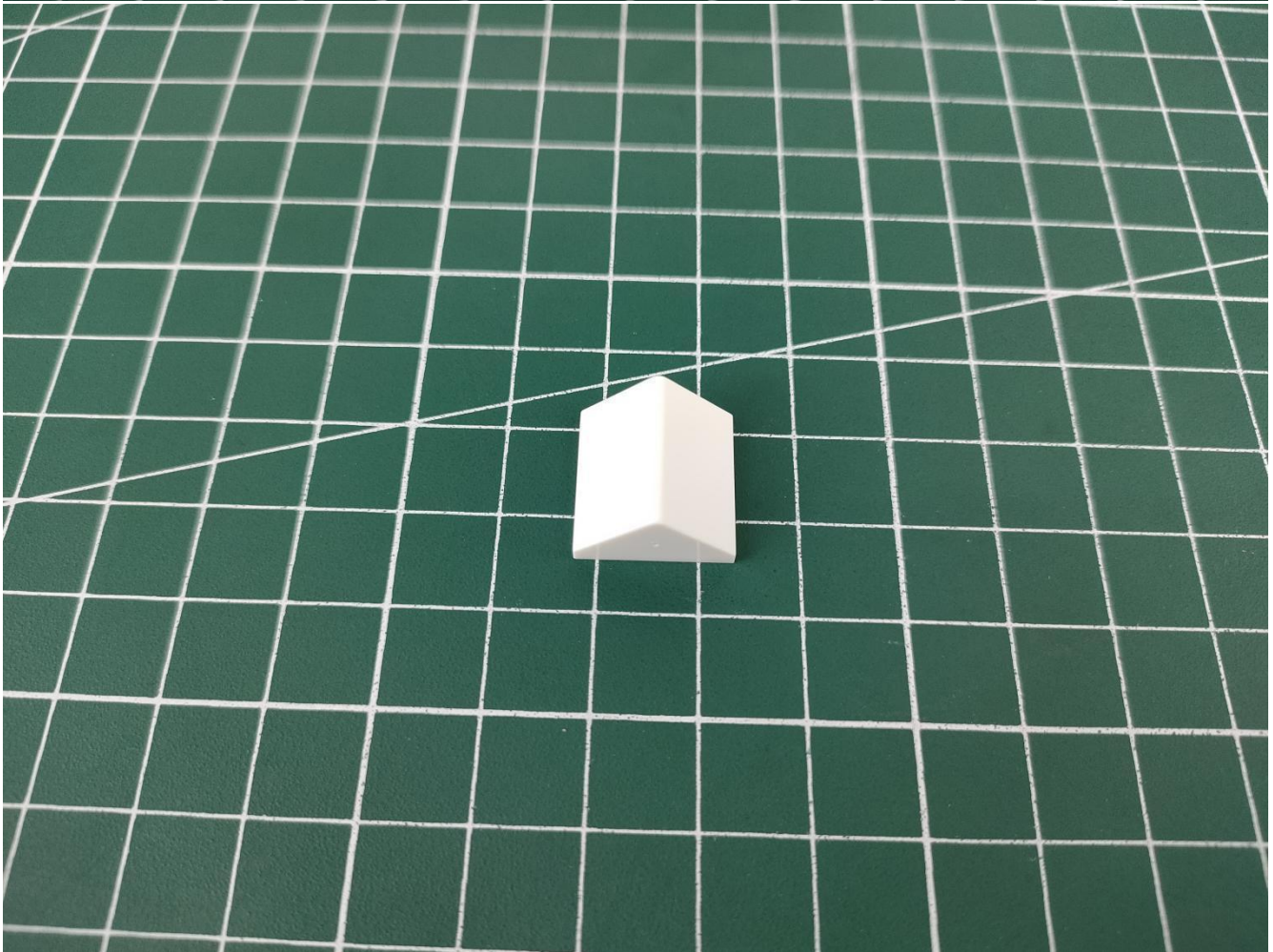
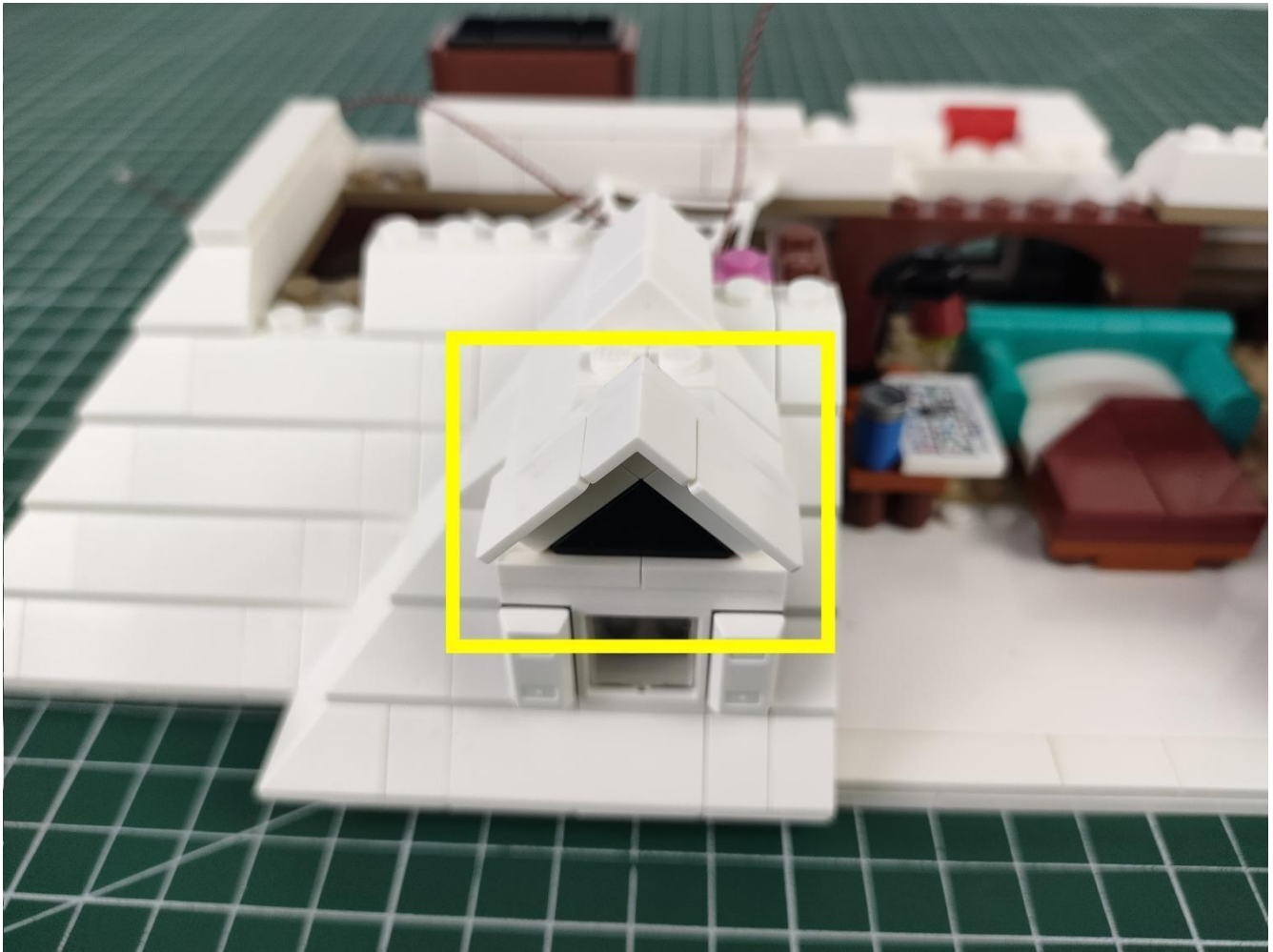




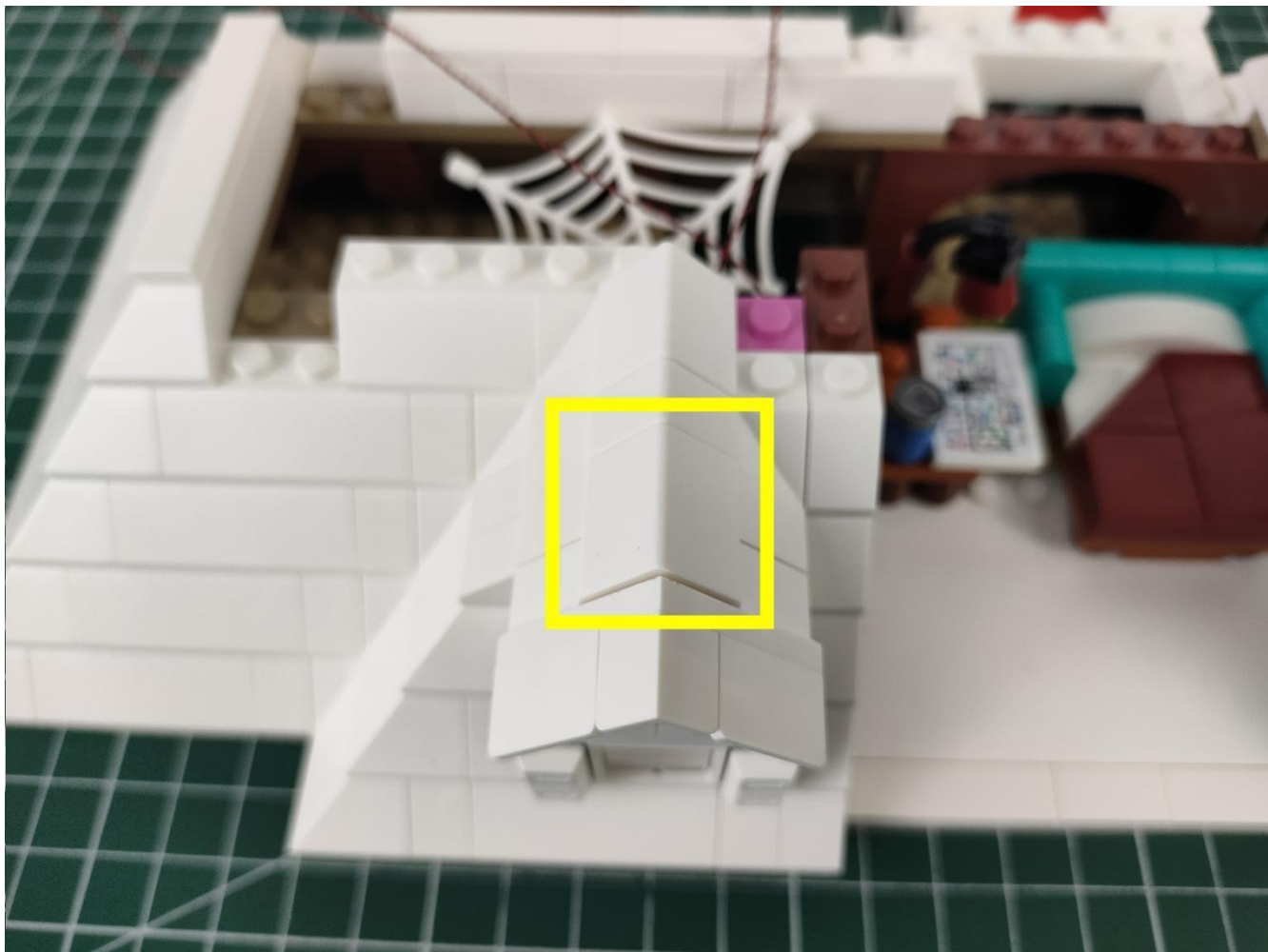




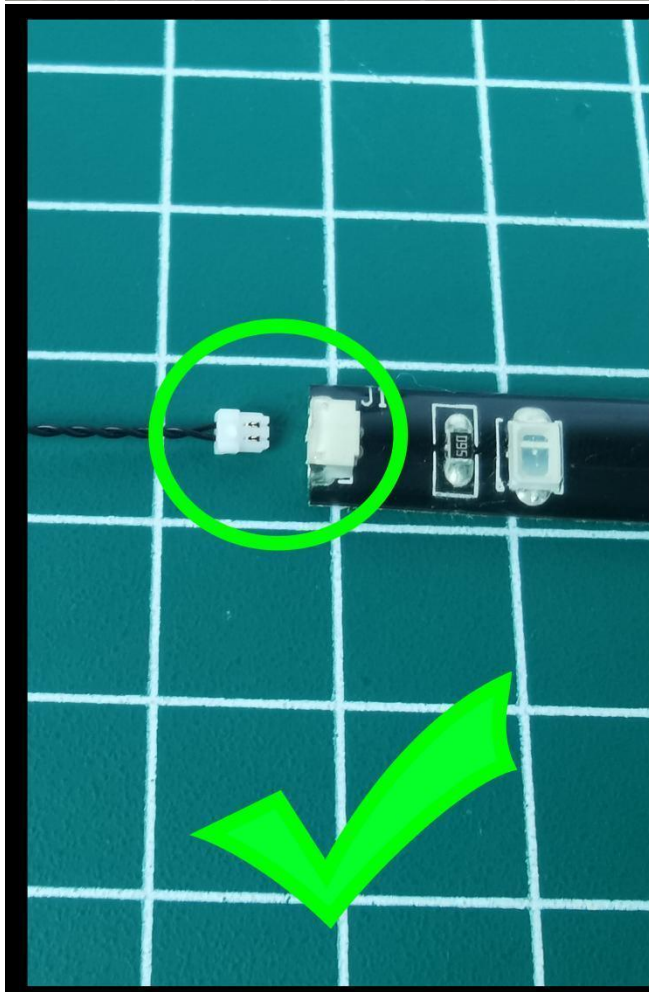




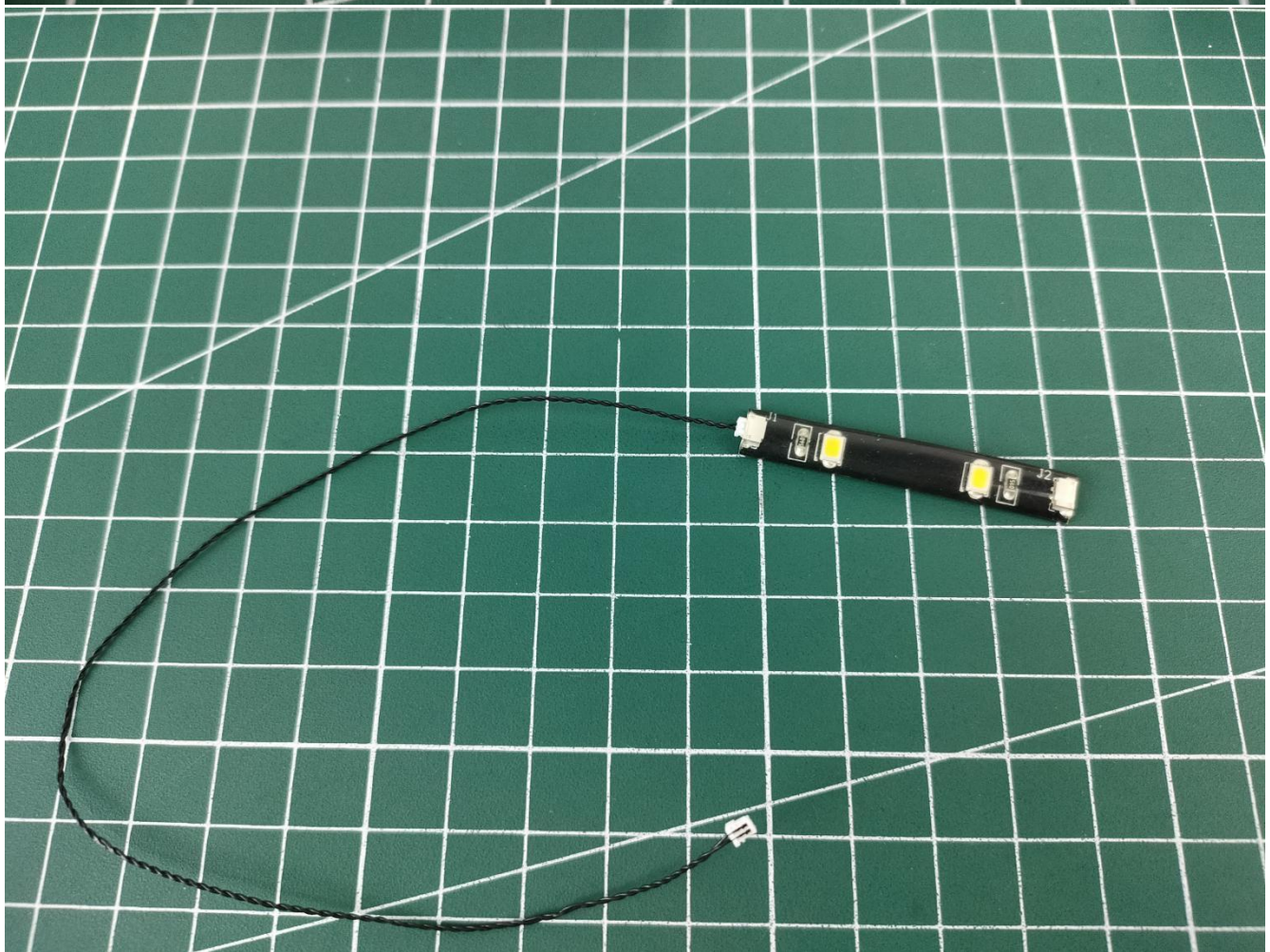
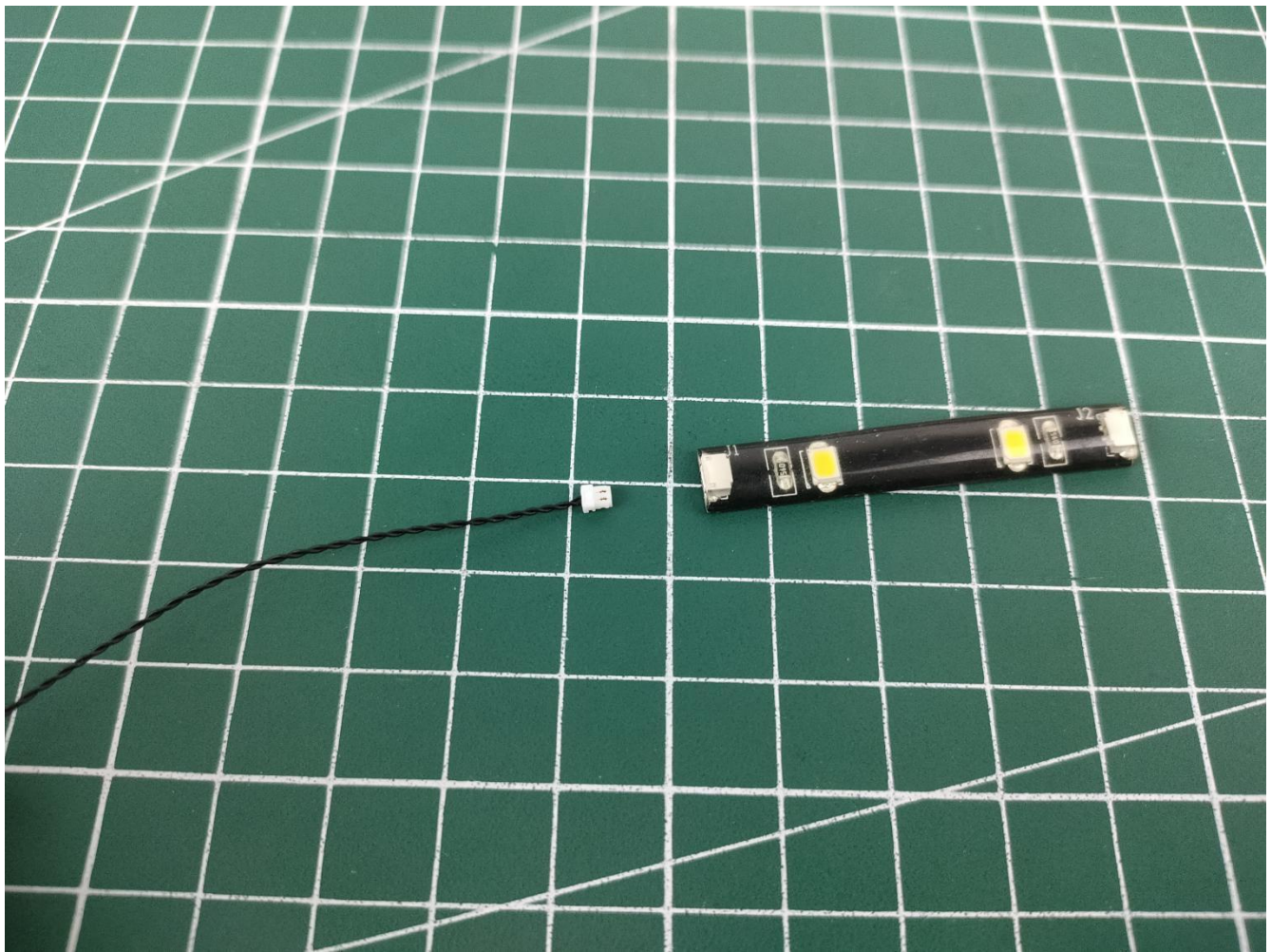




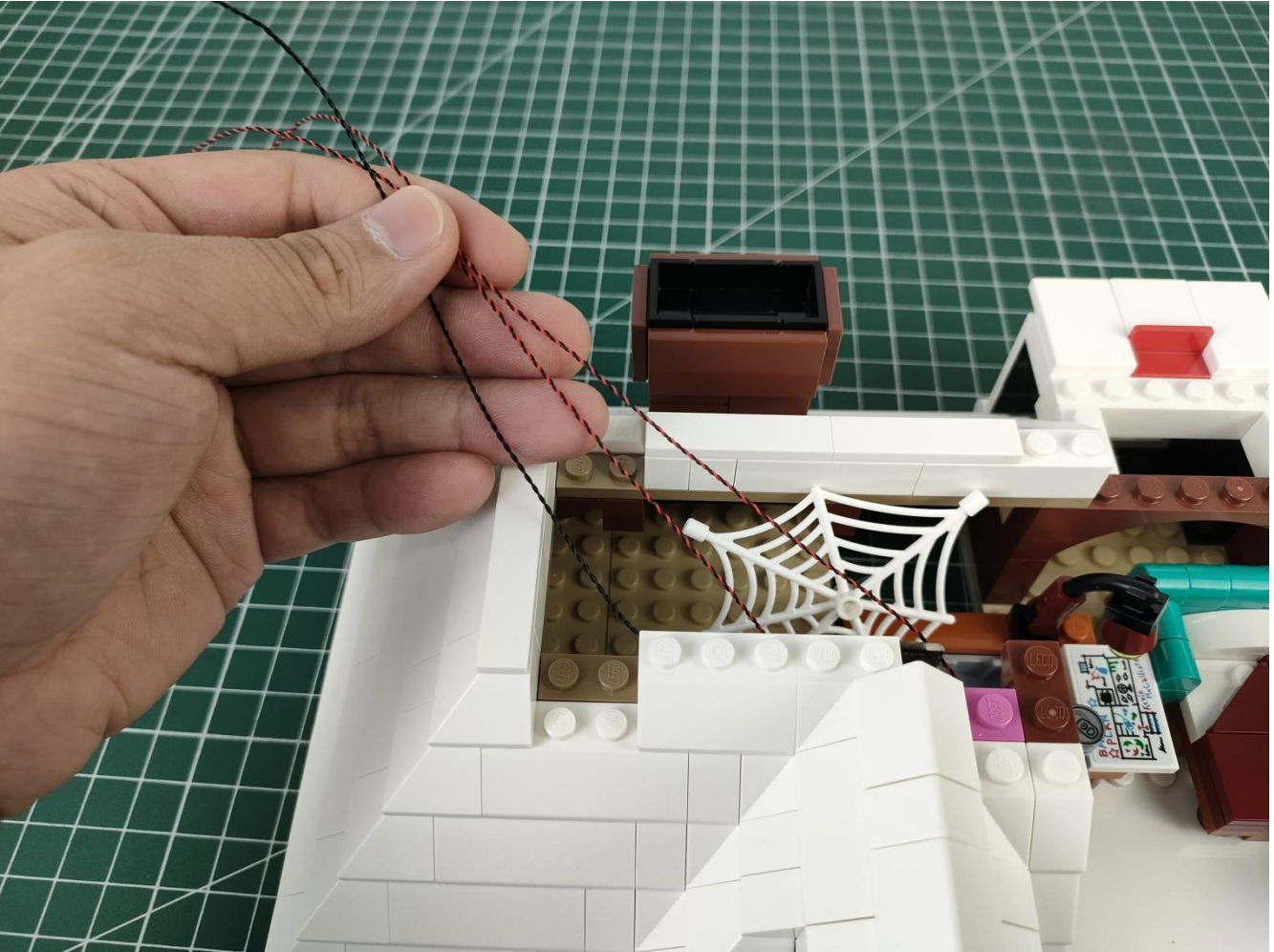
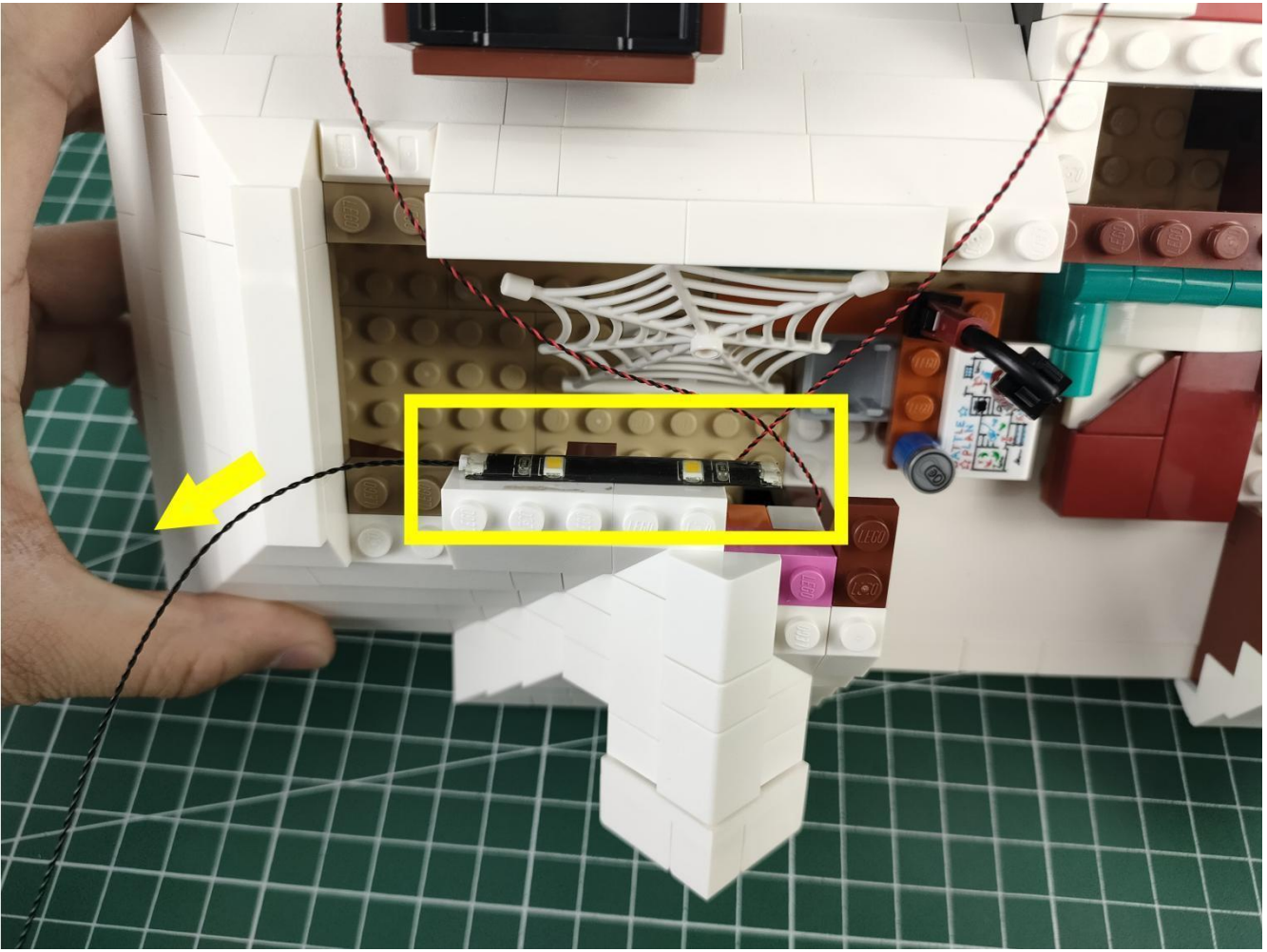




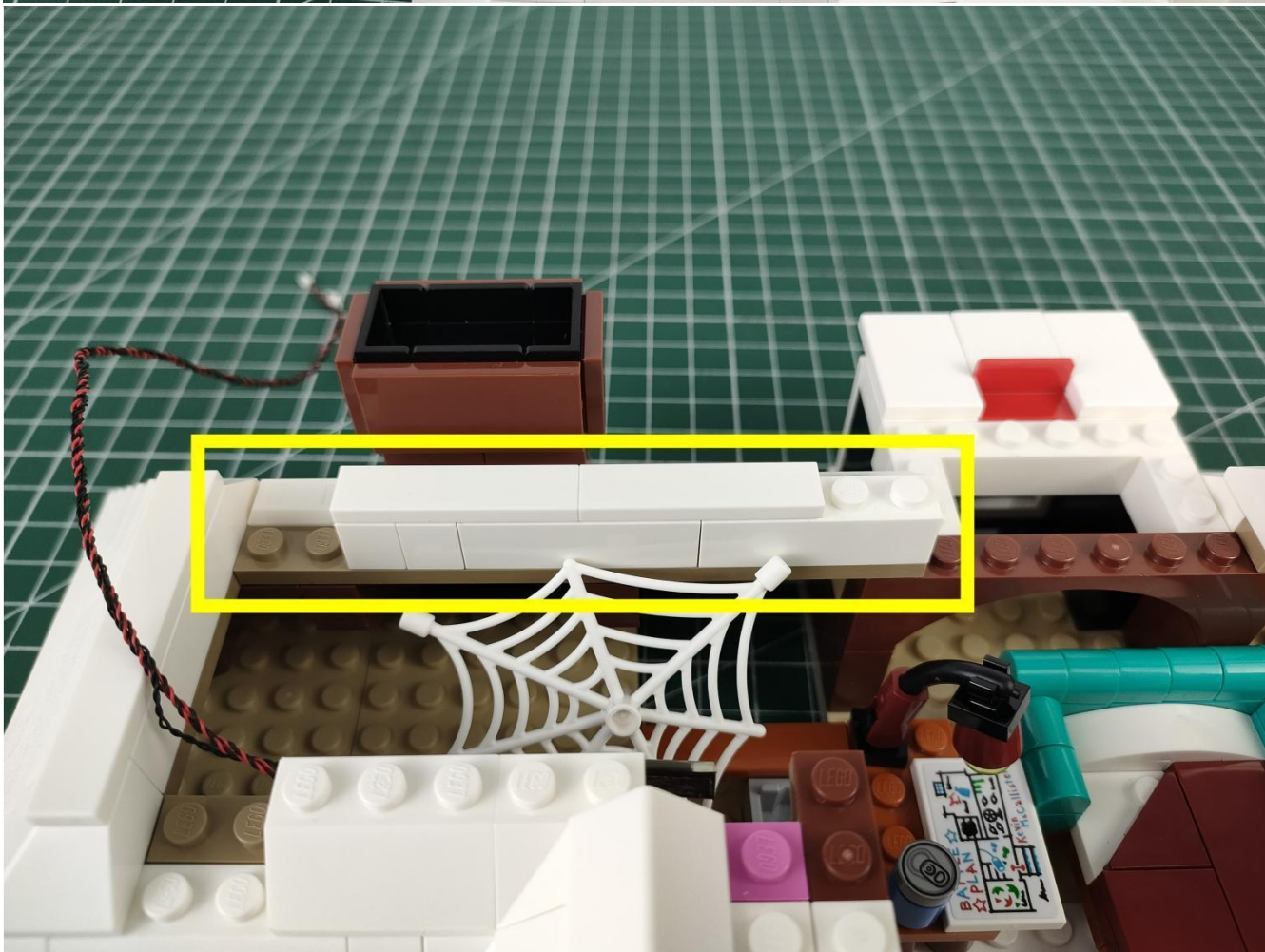
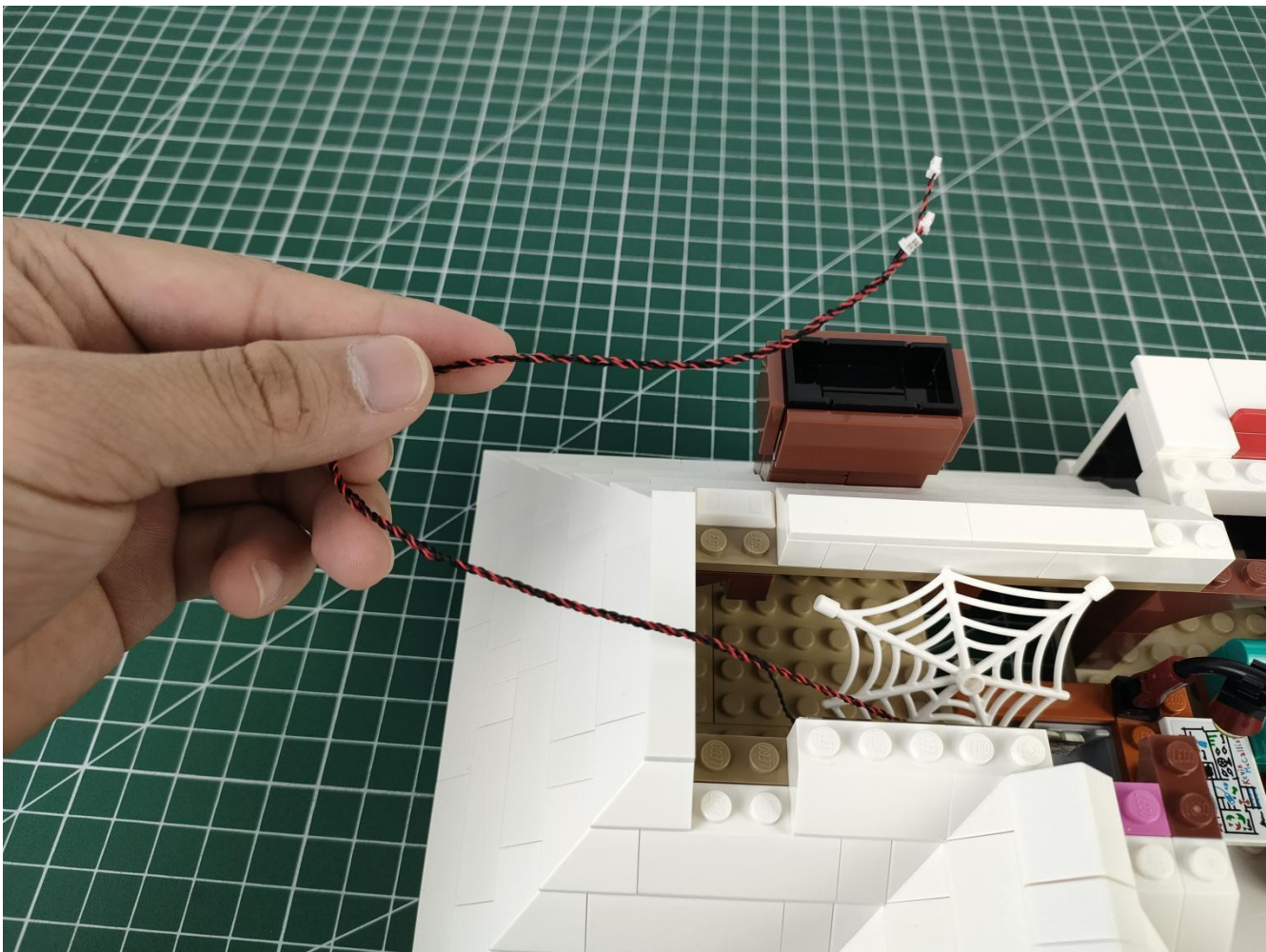




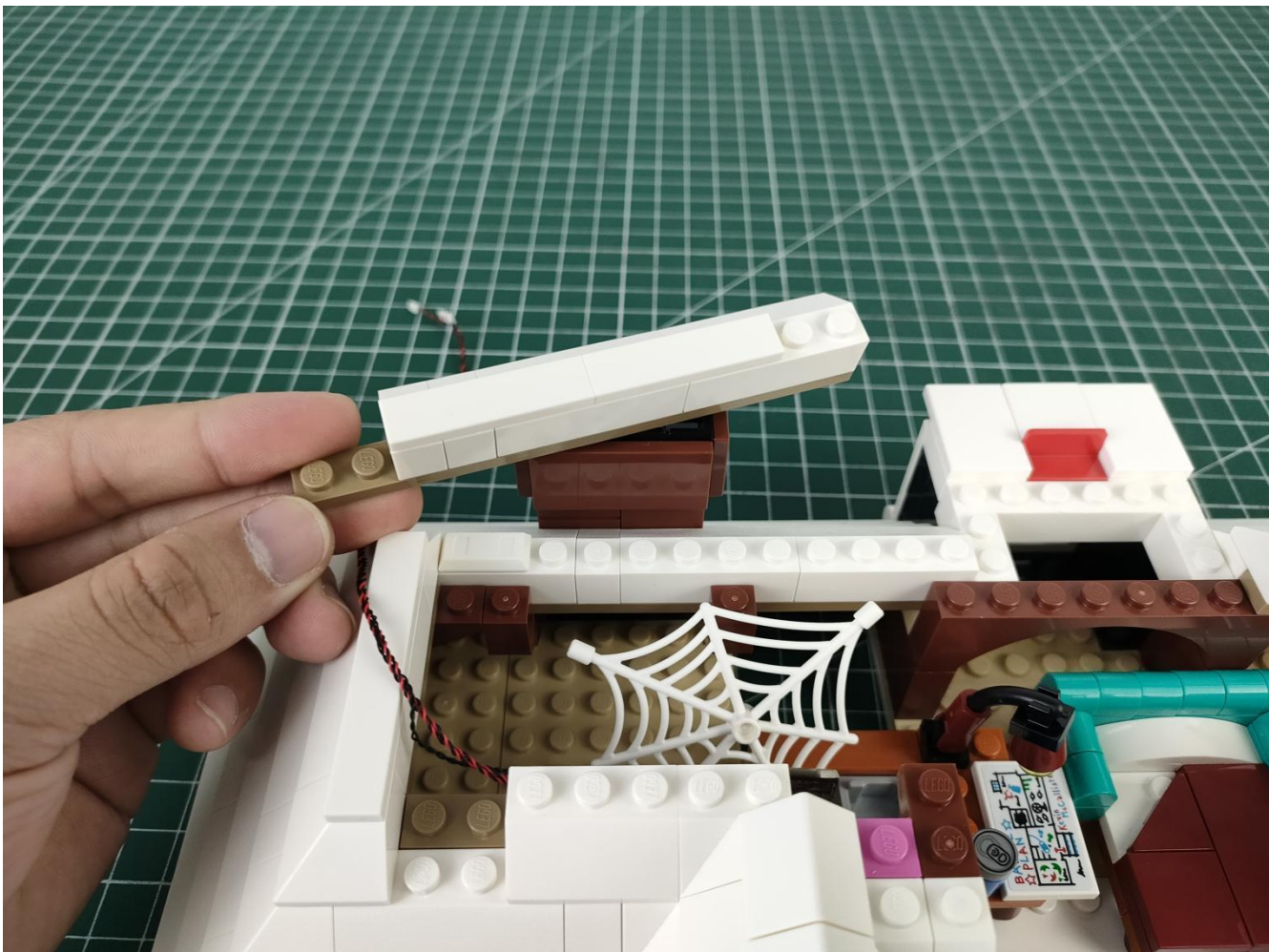












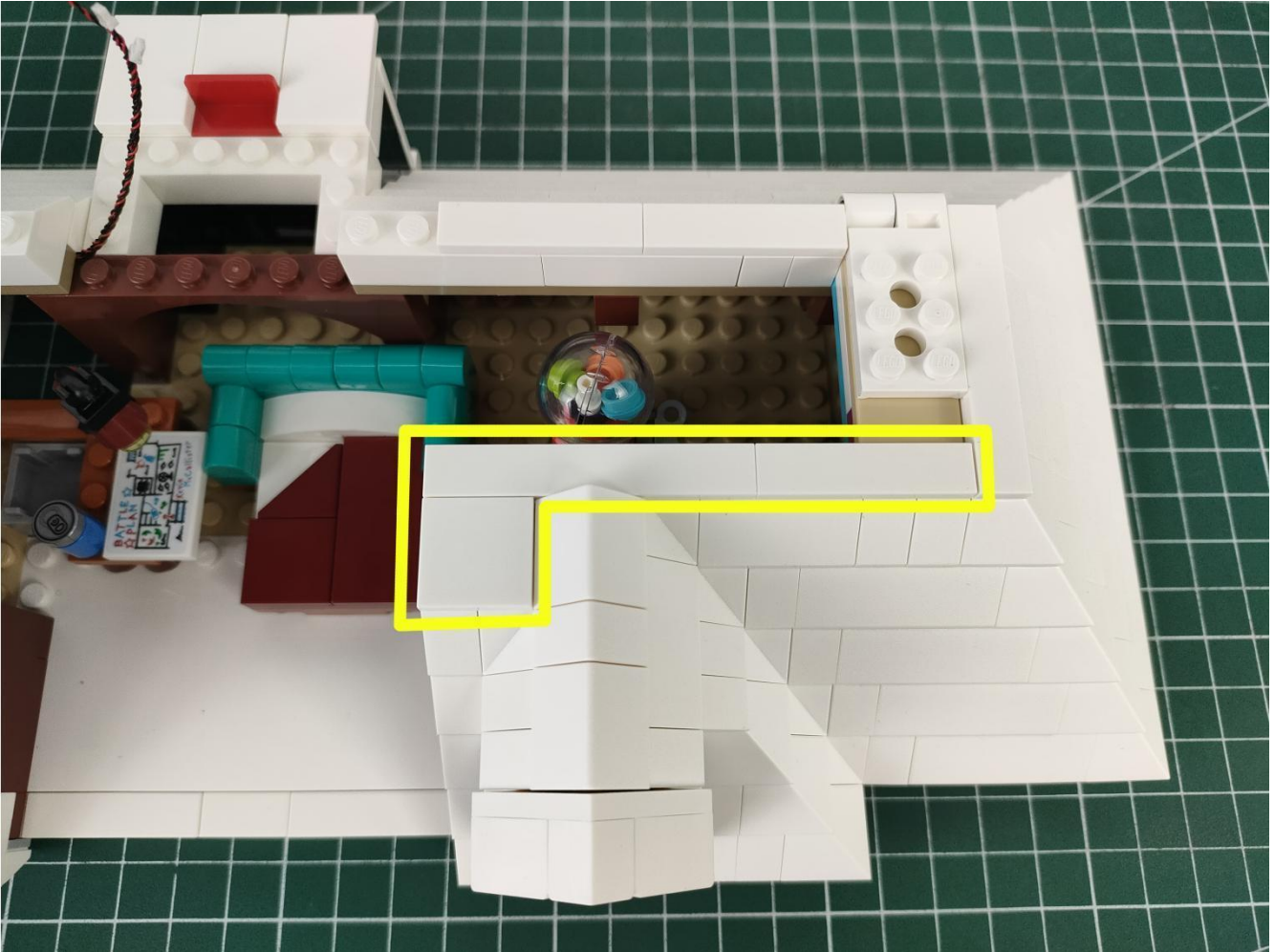
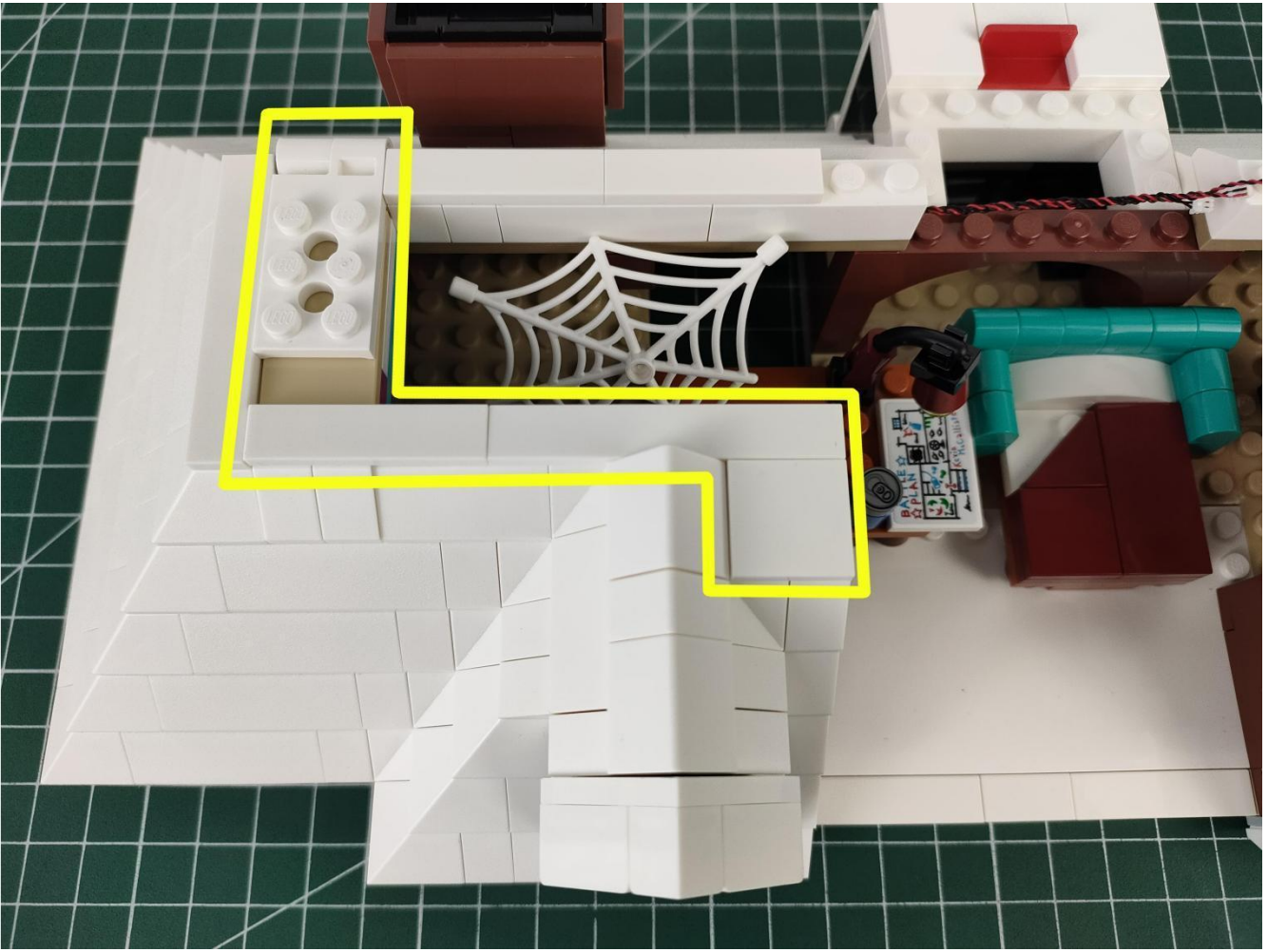




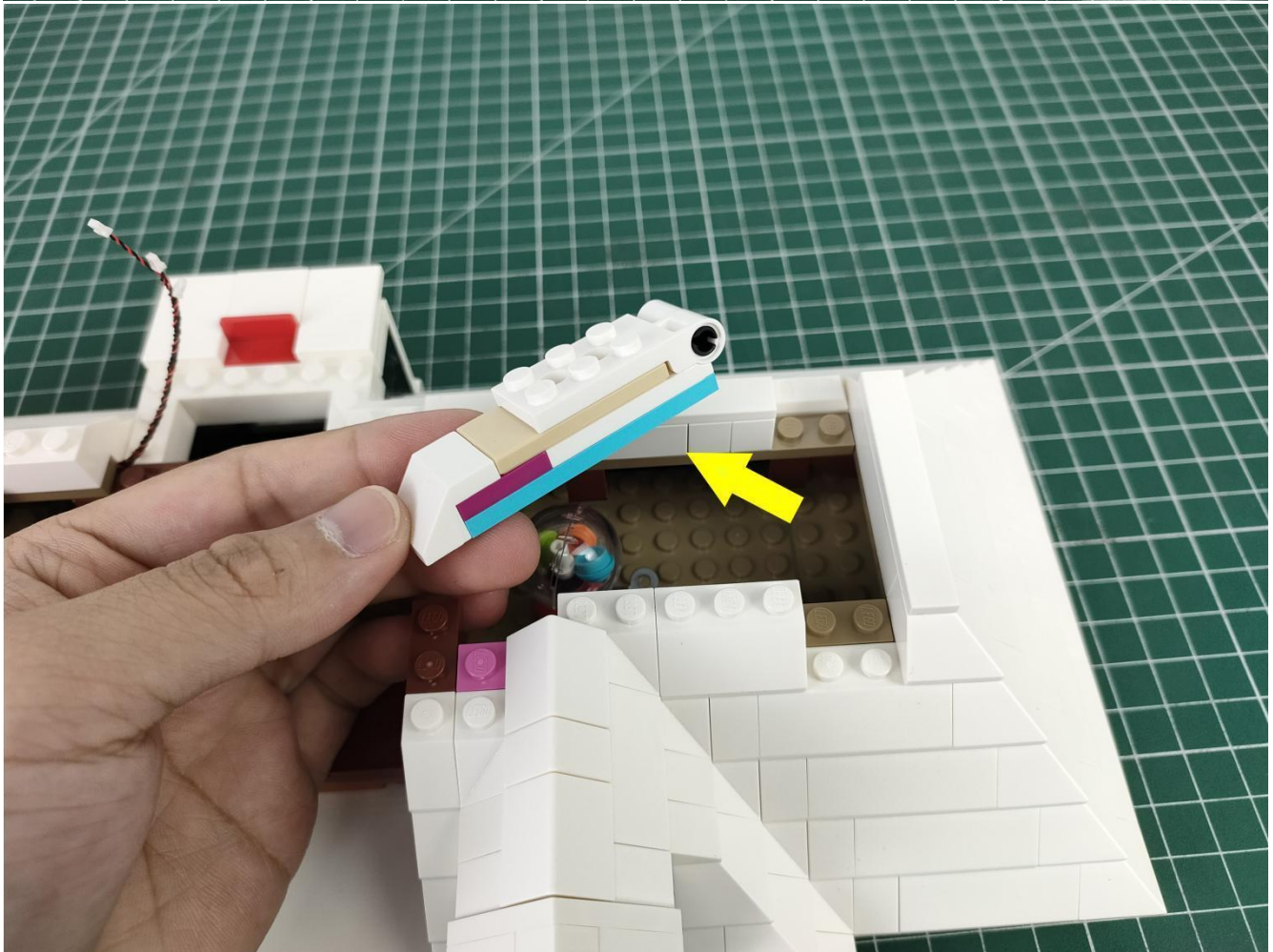
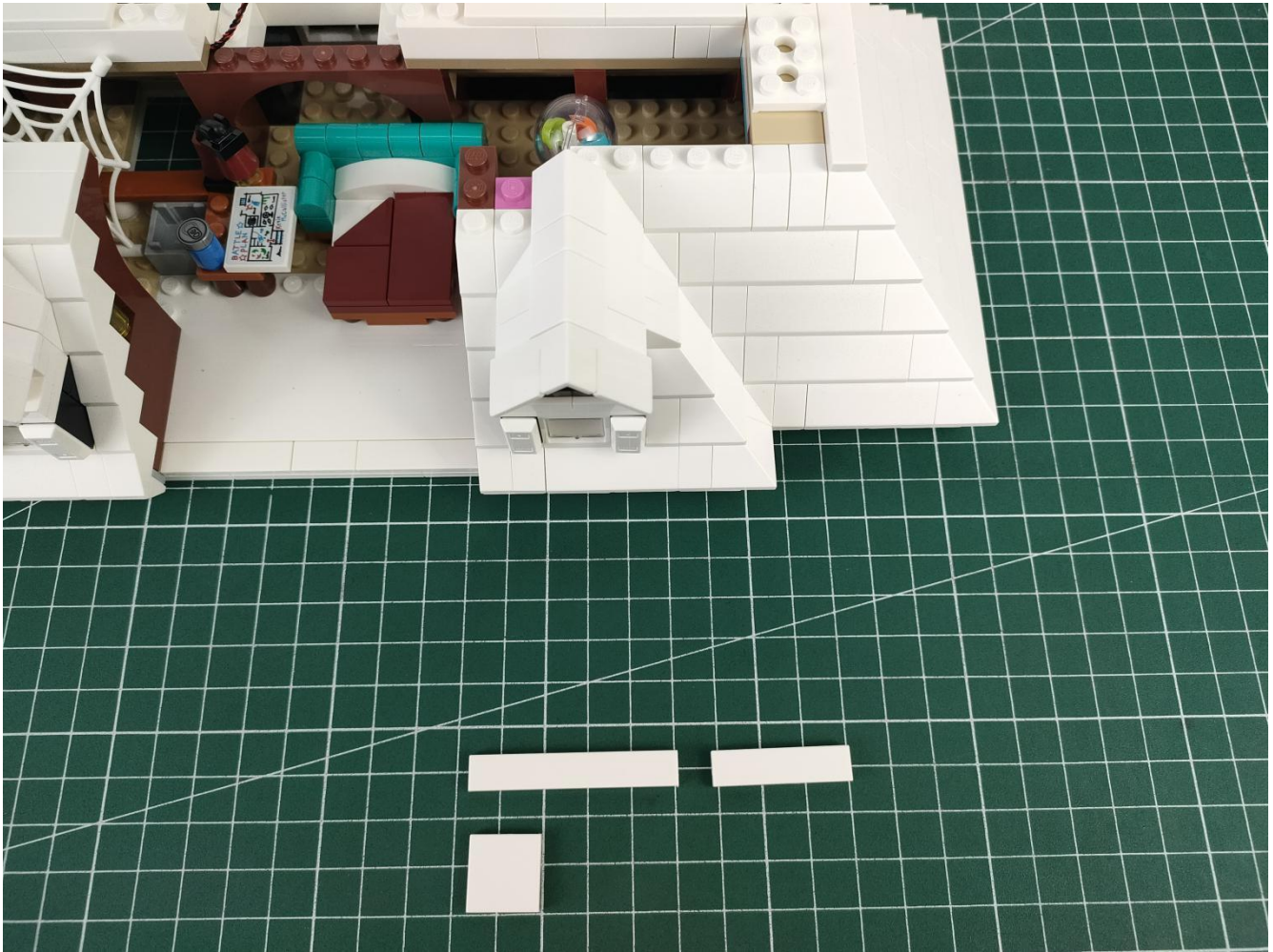




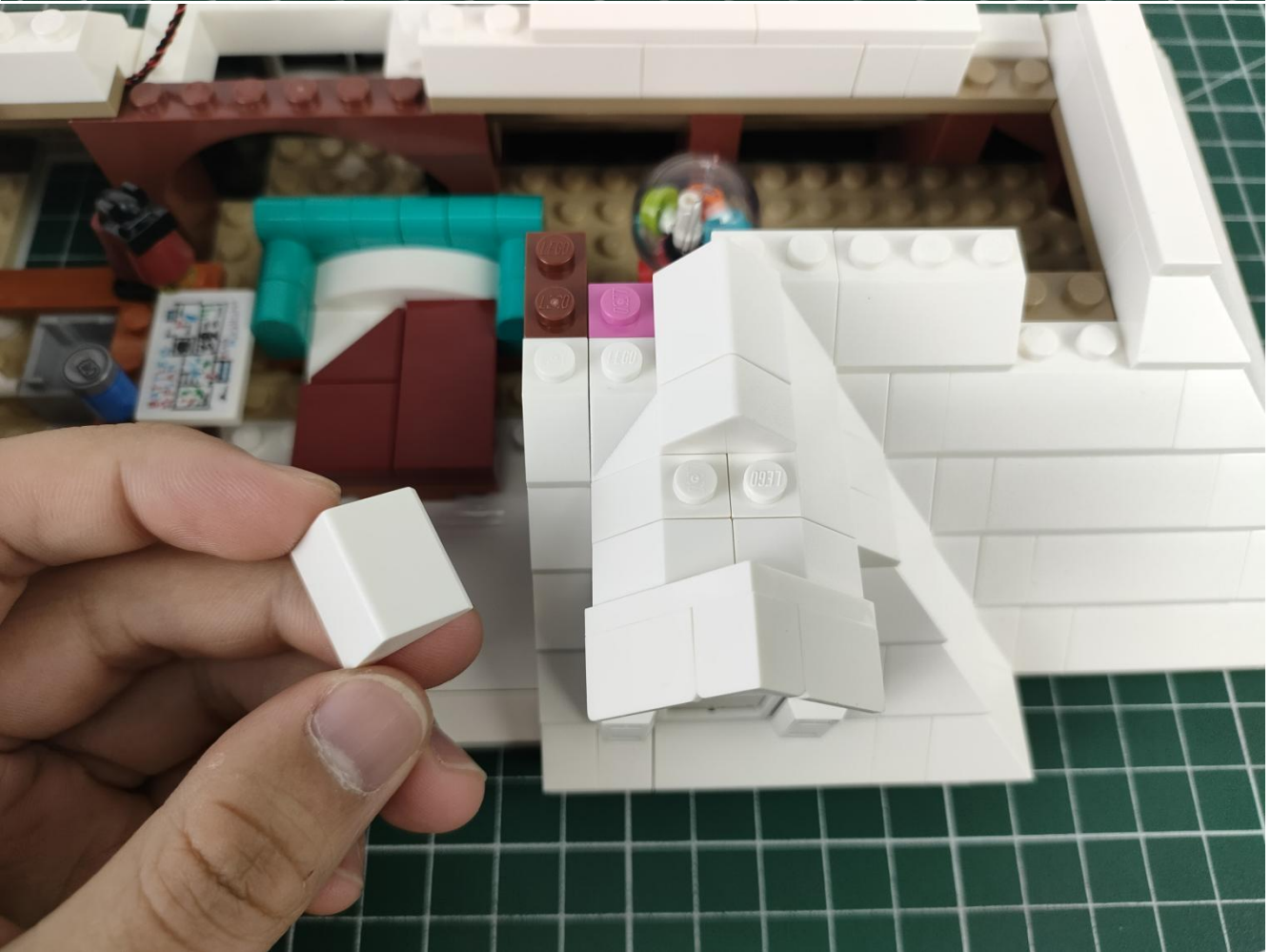
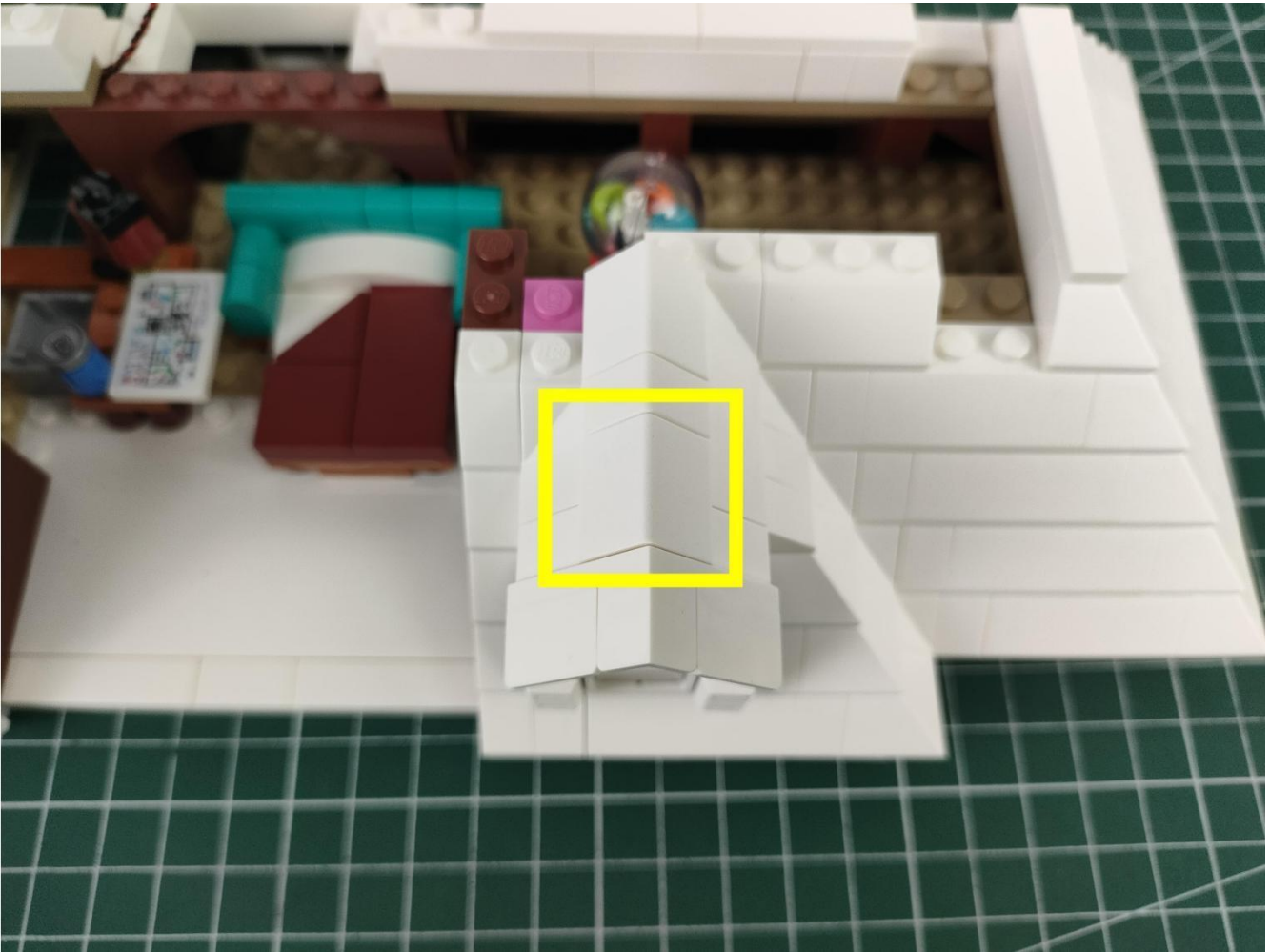




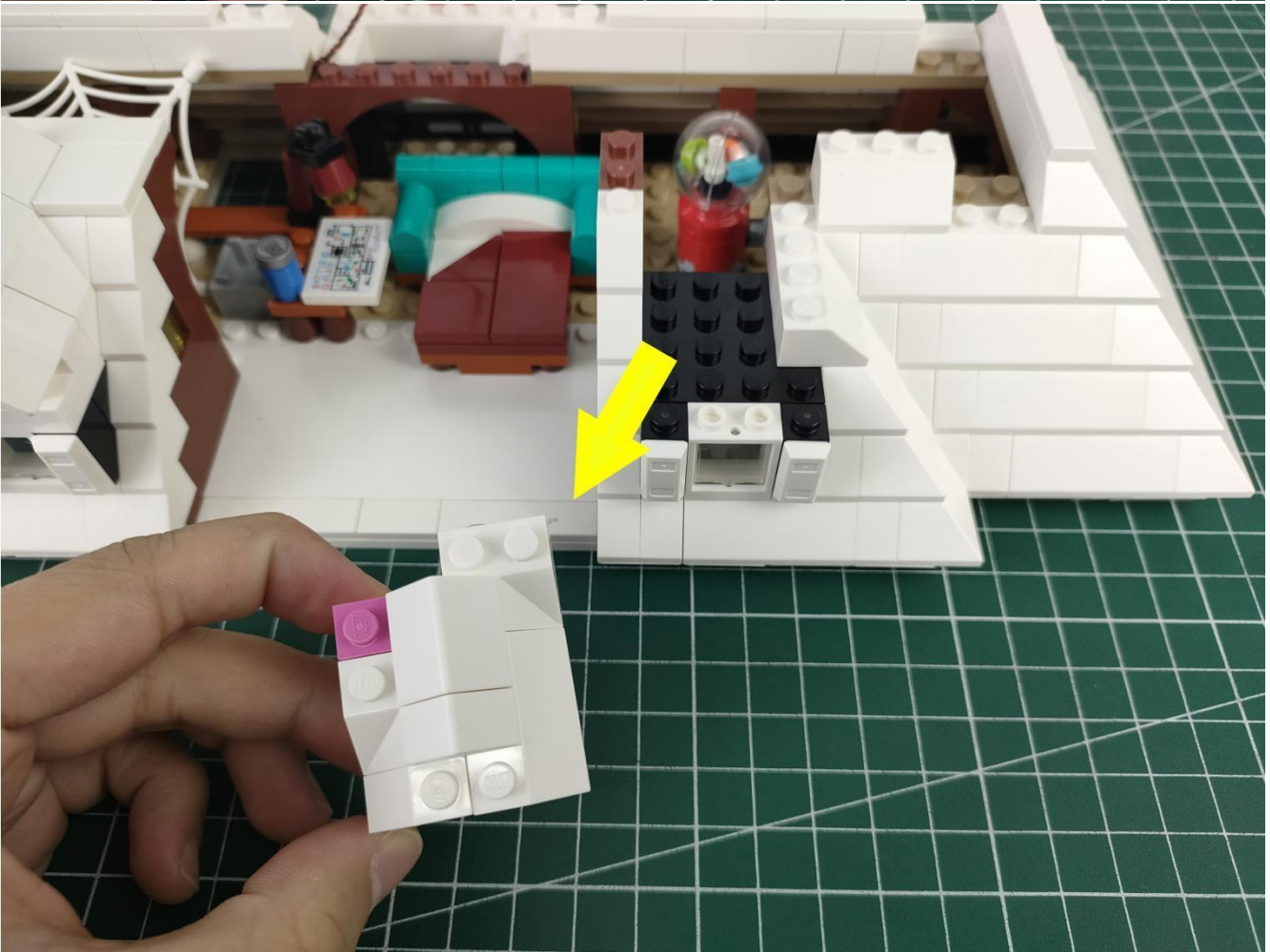
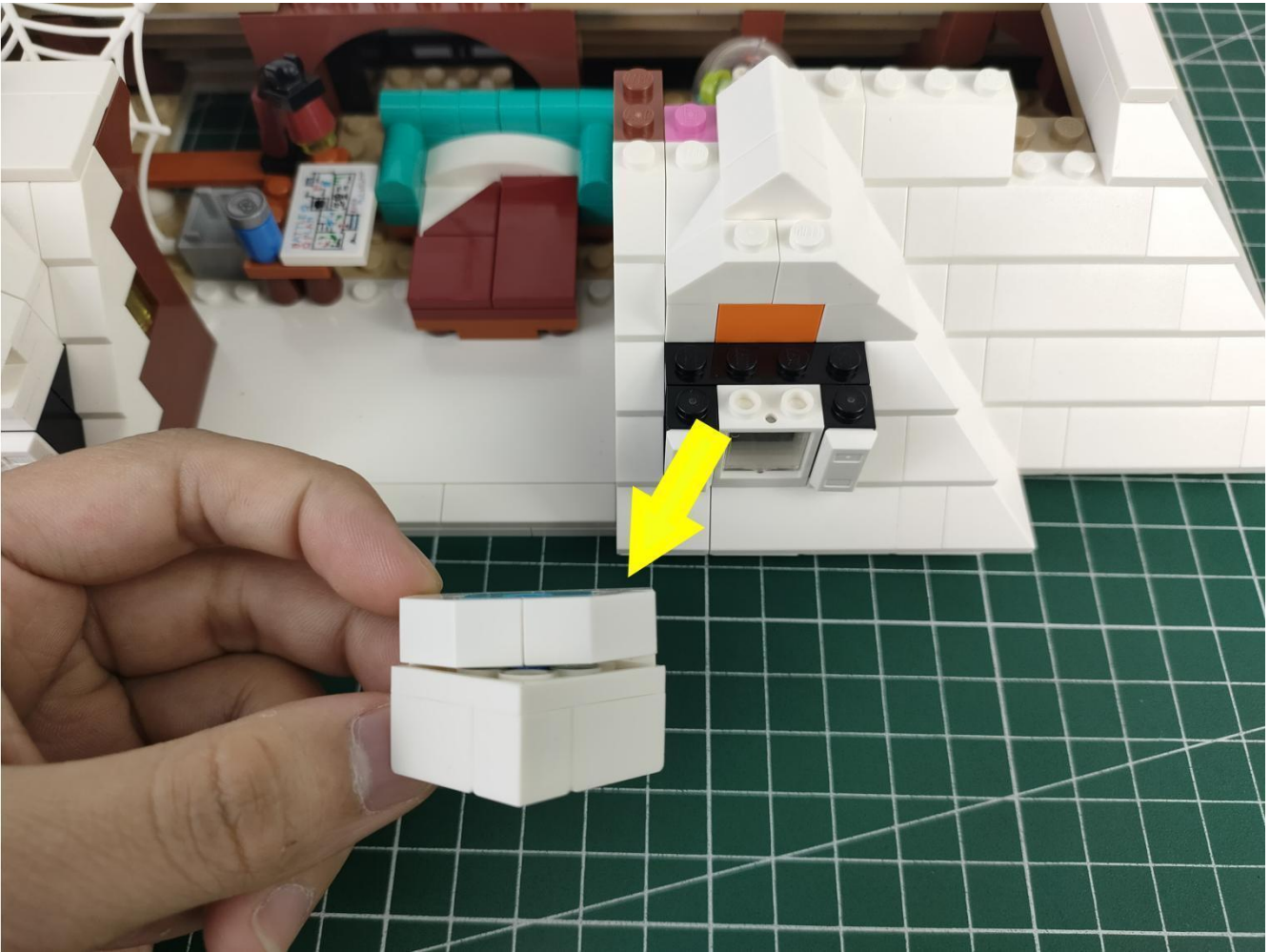




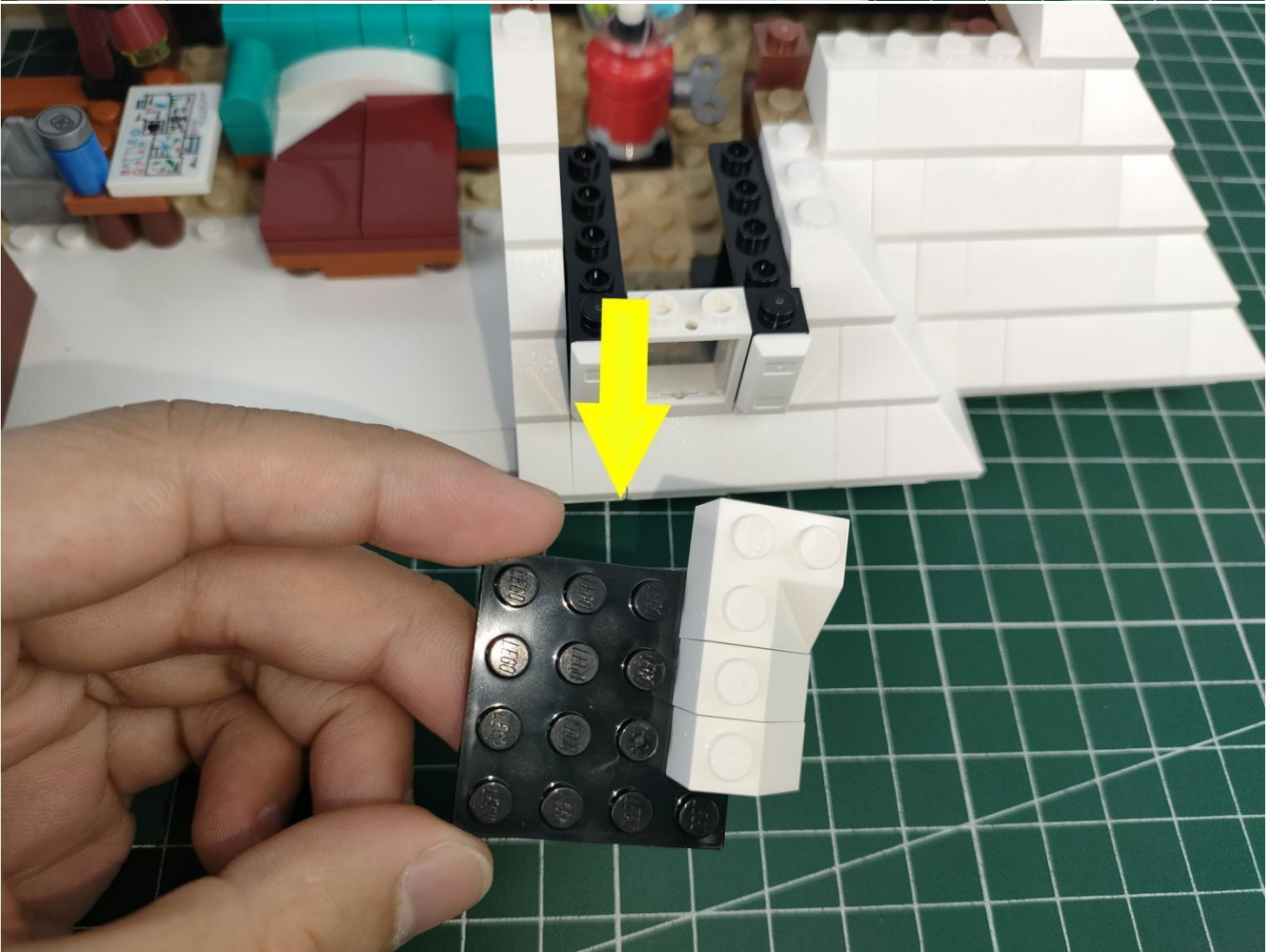
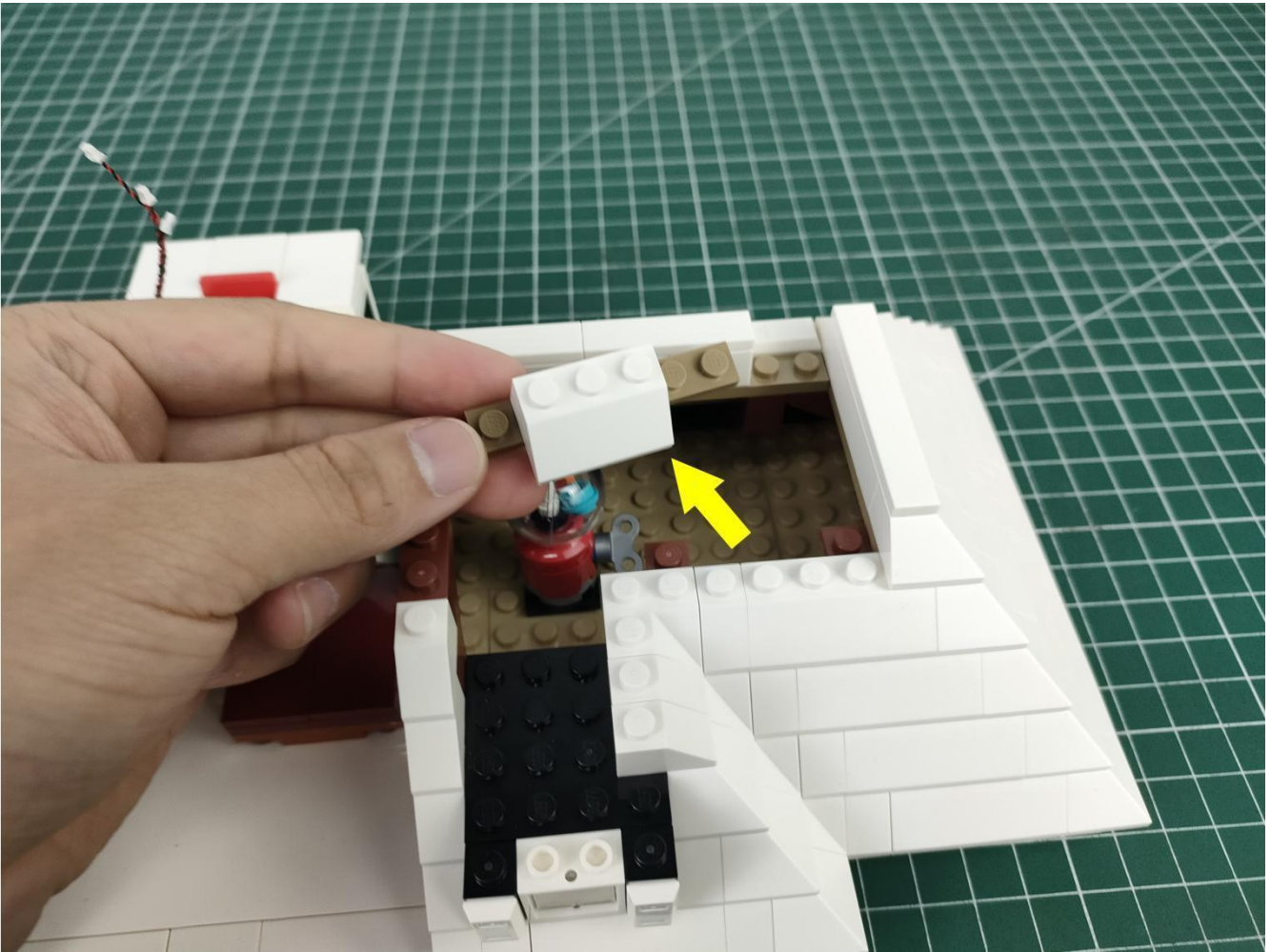
















30CM大灯粒暖白  
Headlights-30CM  
-Warm White

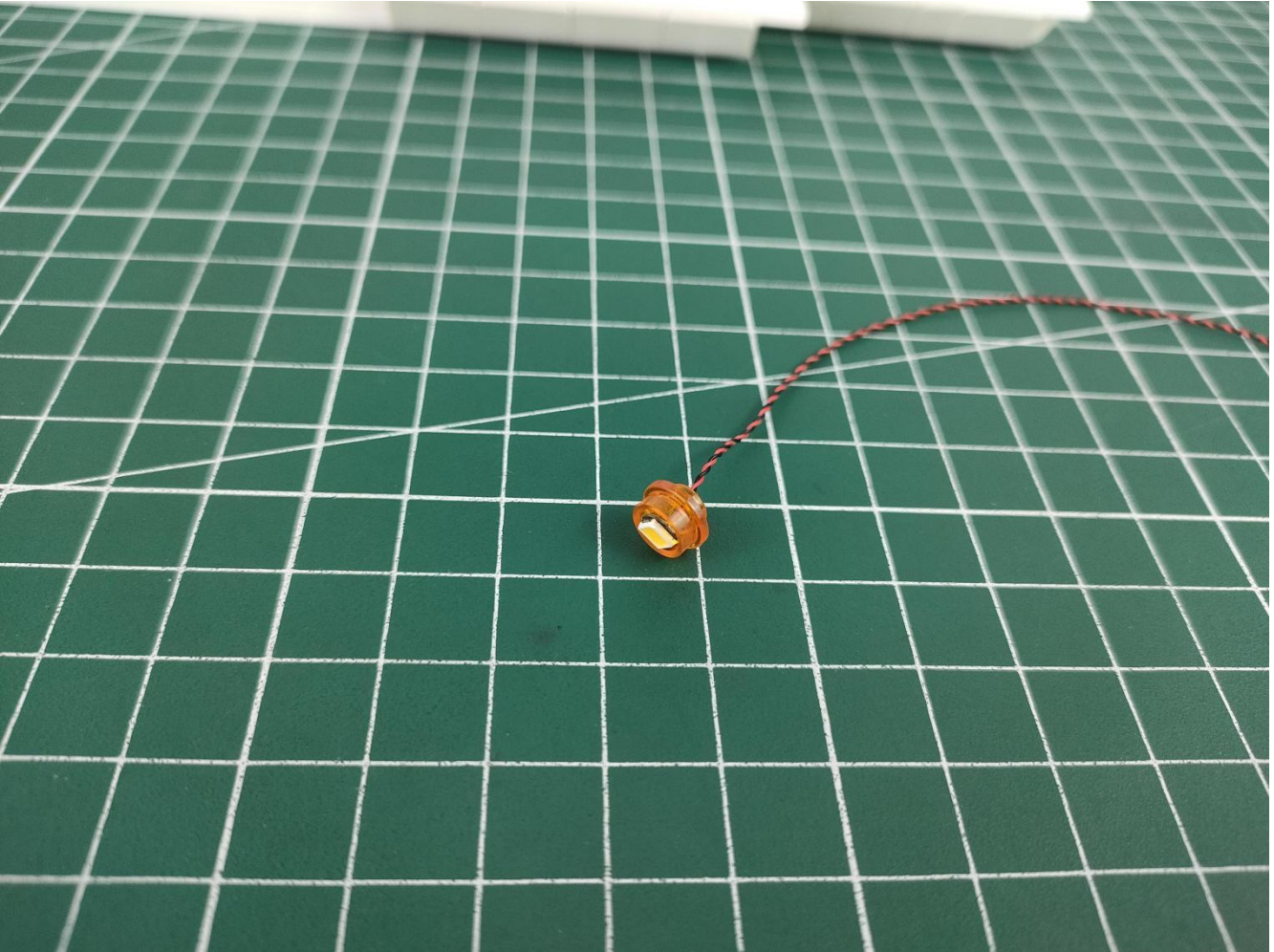
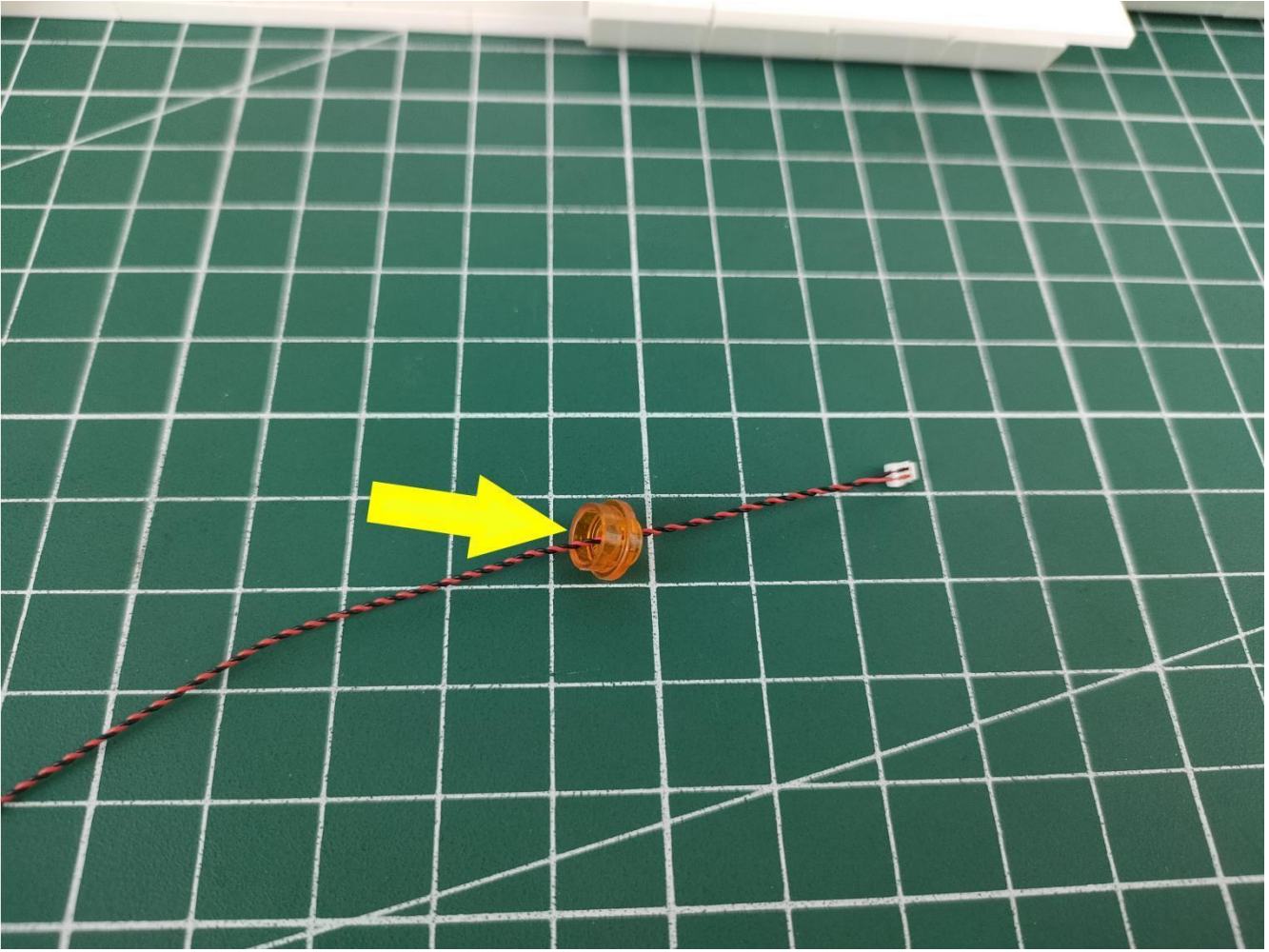




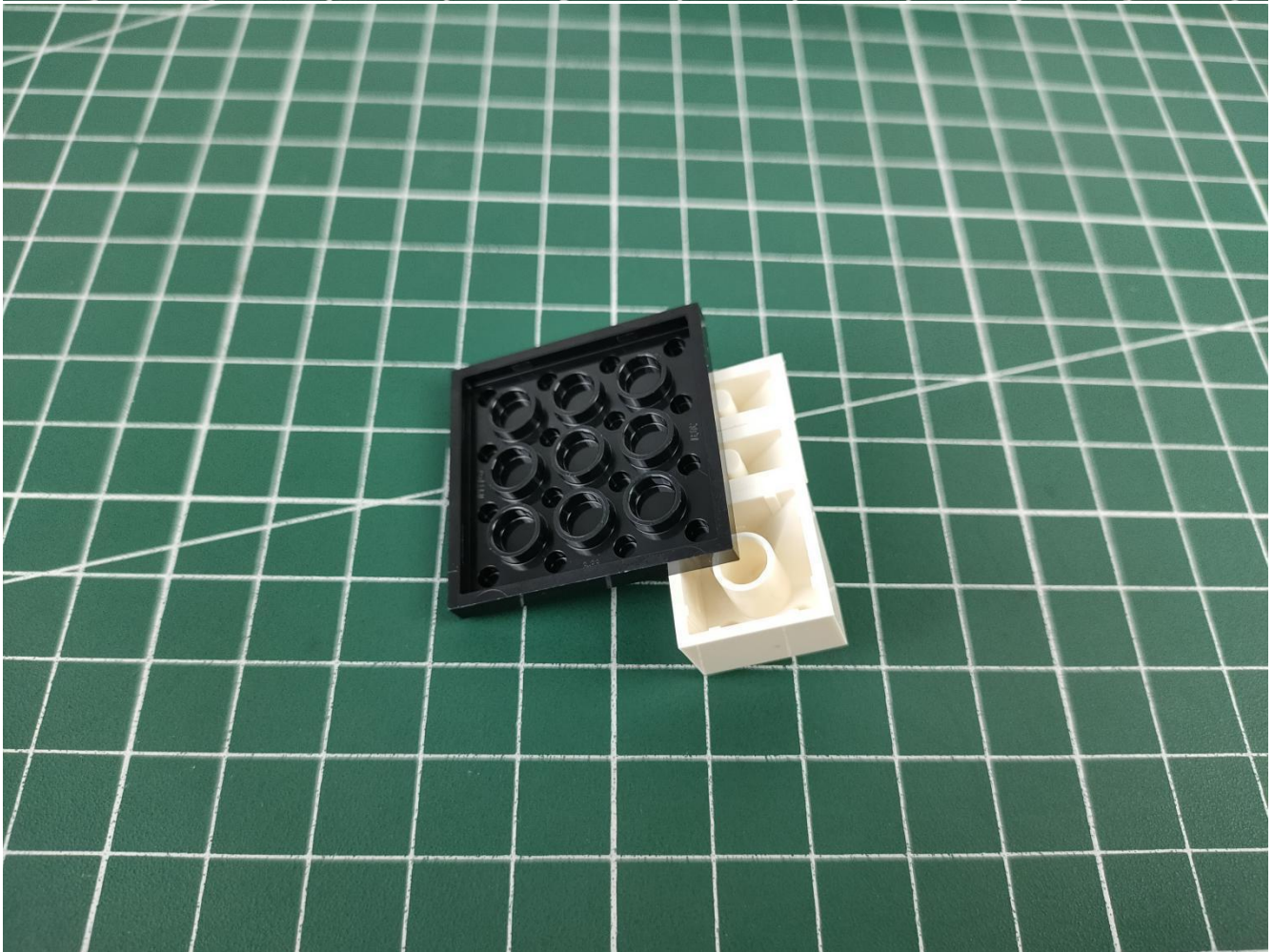
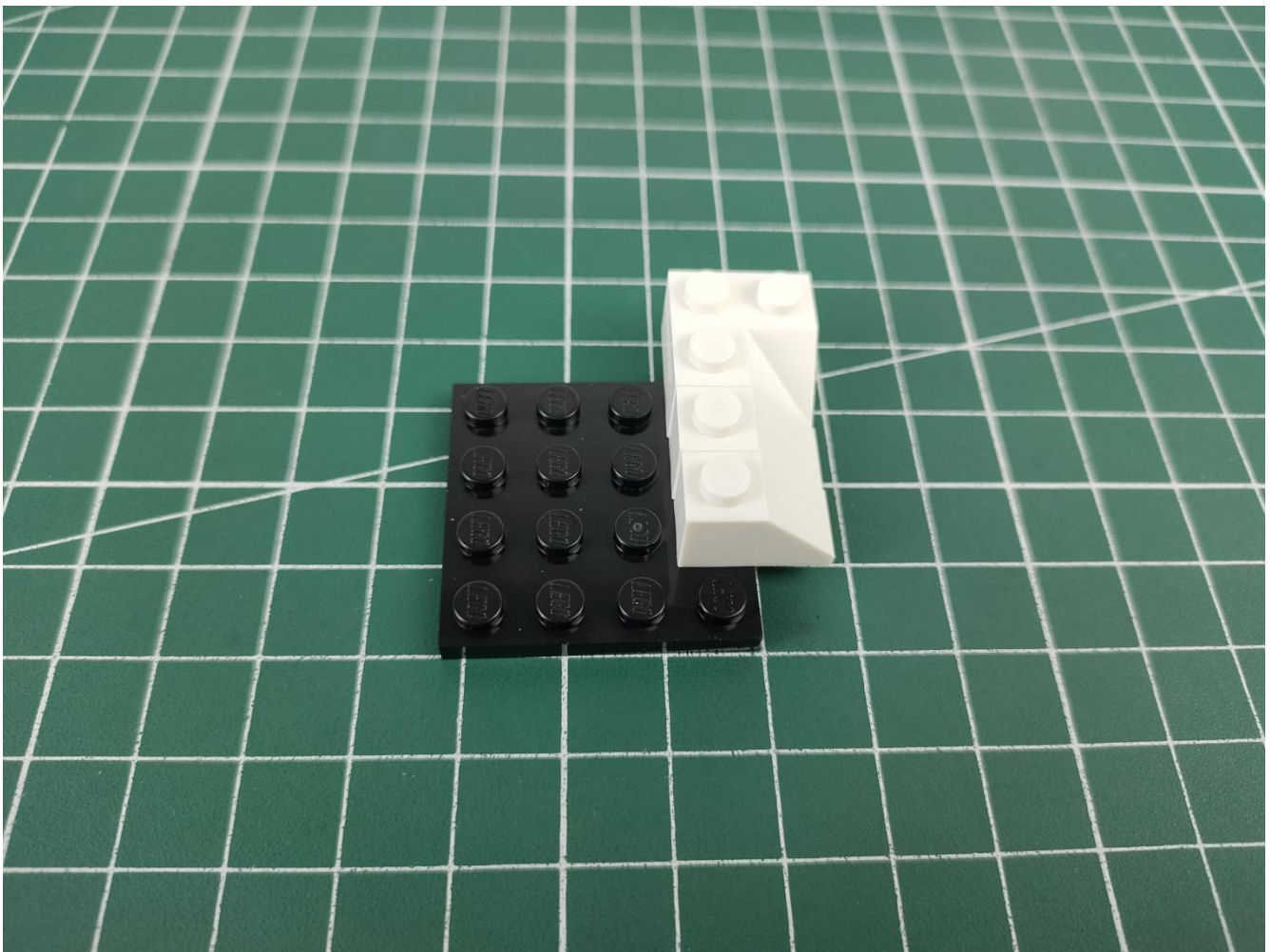
The small orange round plate has no cuts.



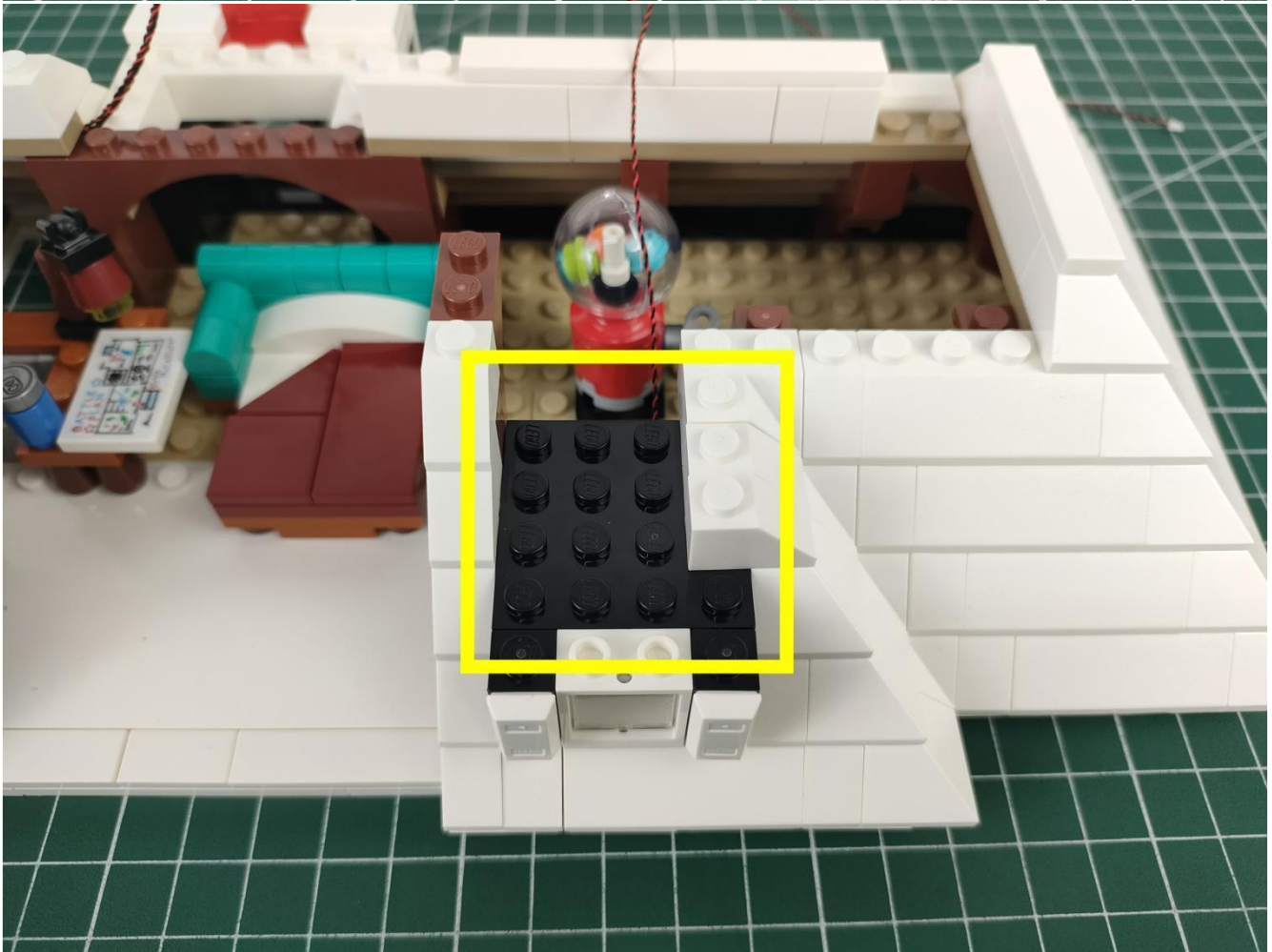
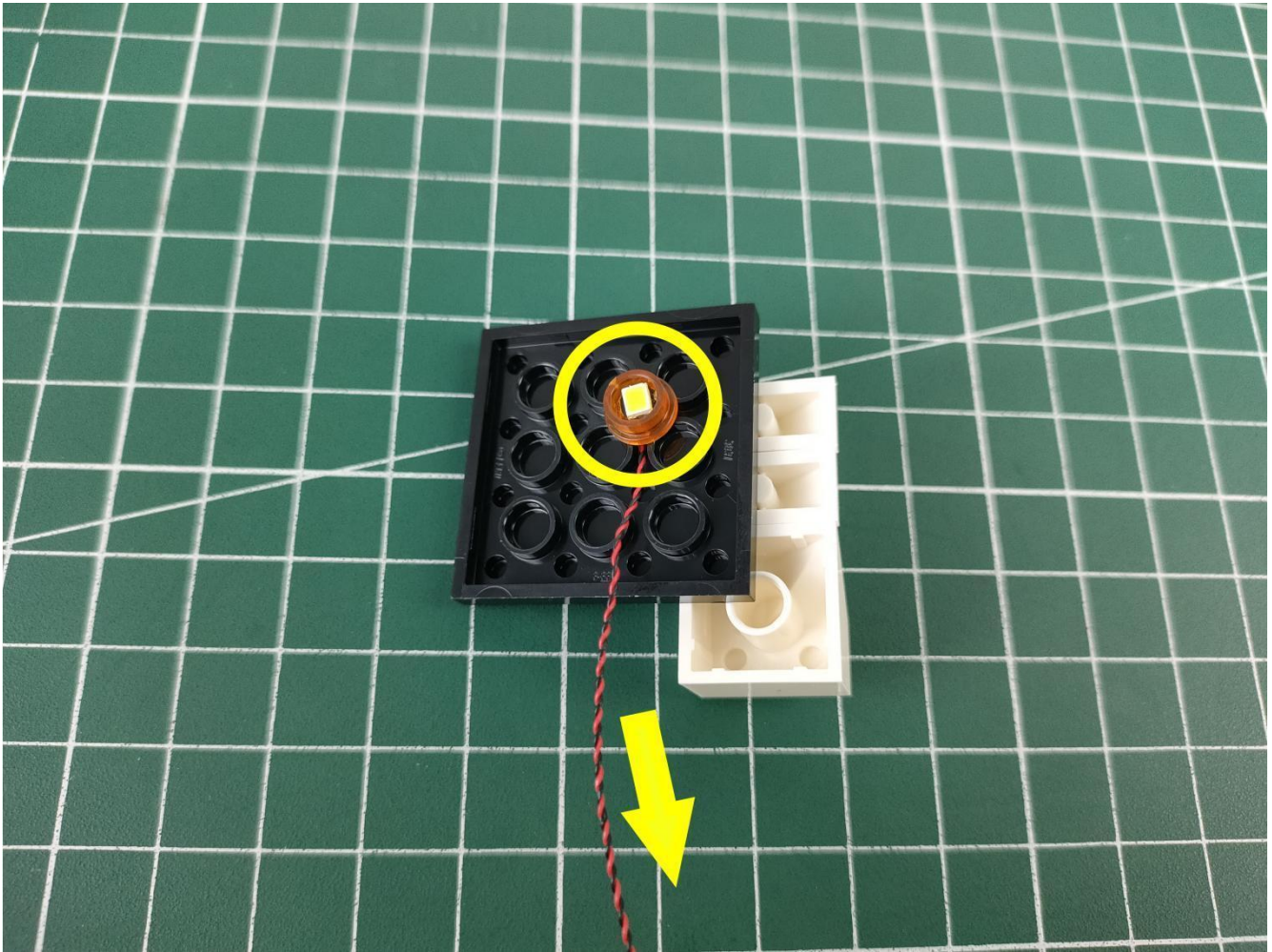




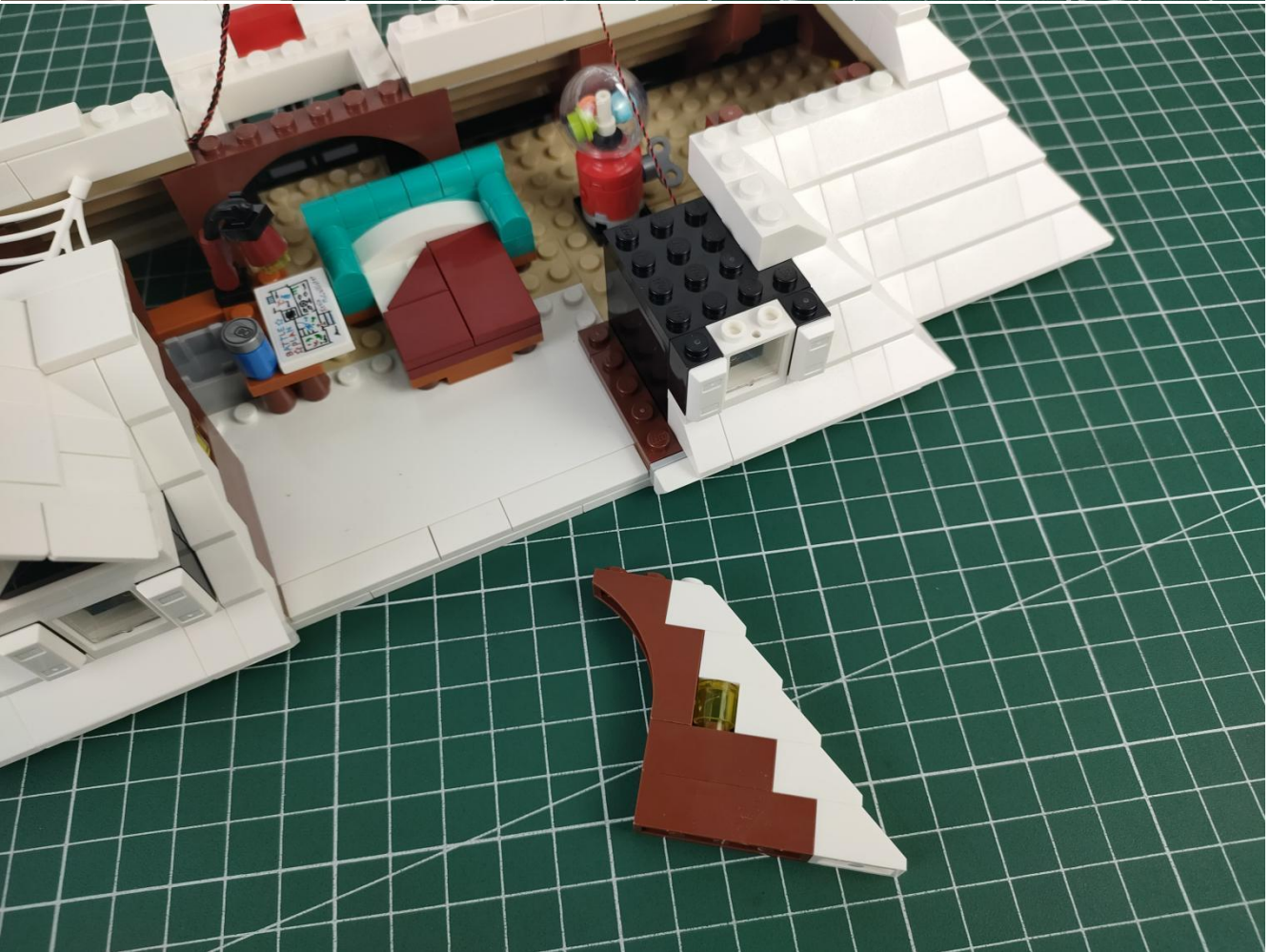
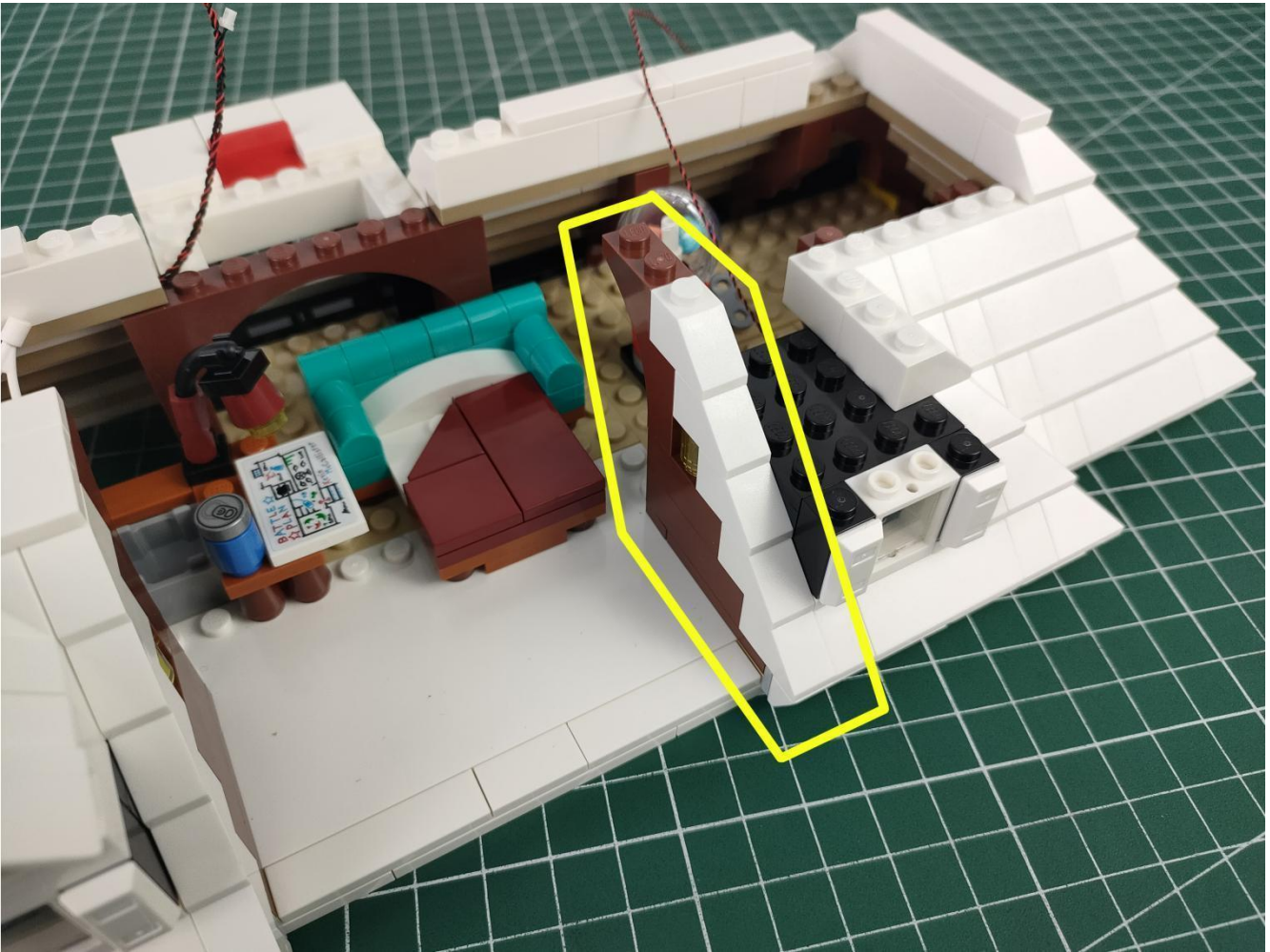




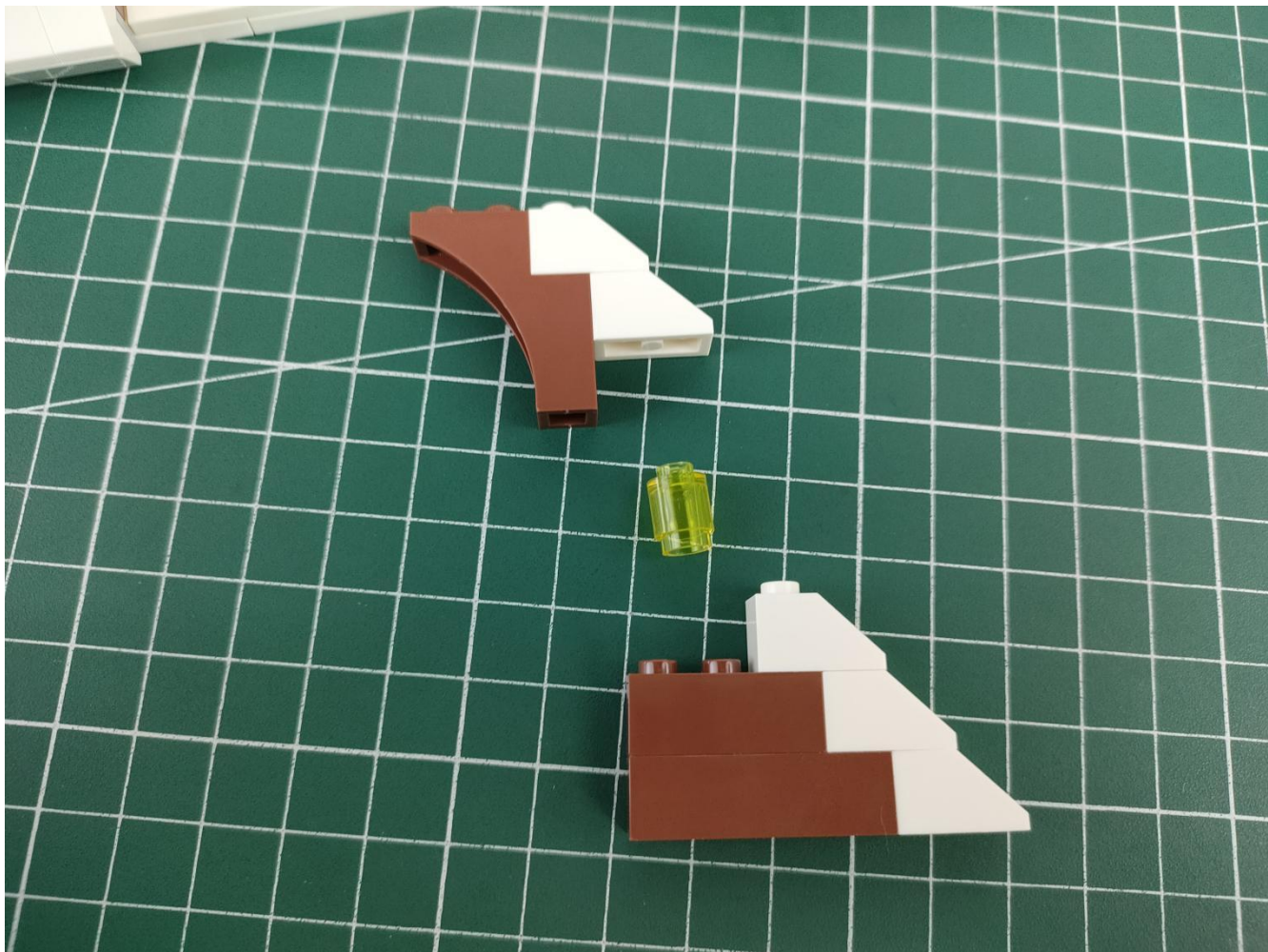




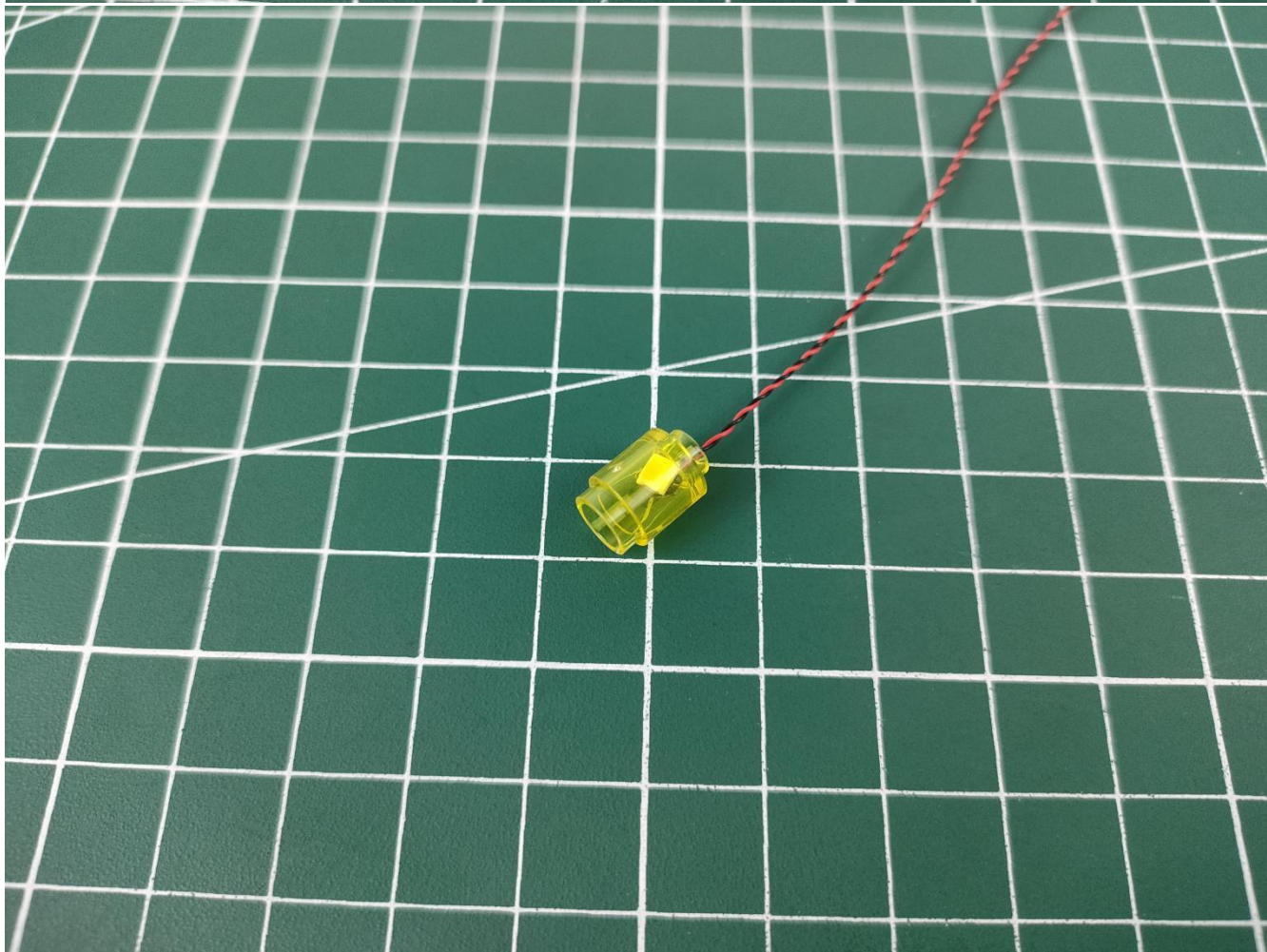
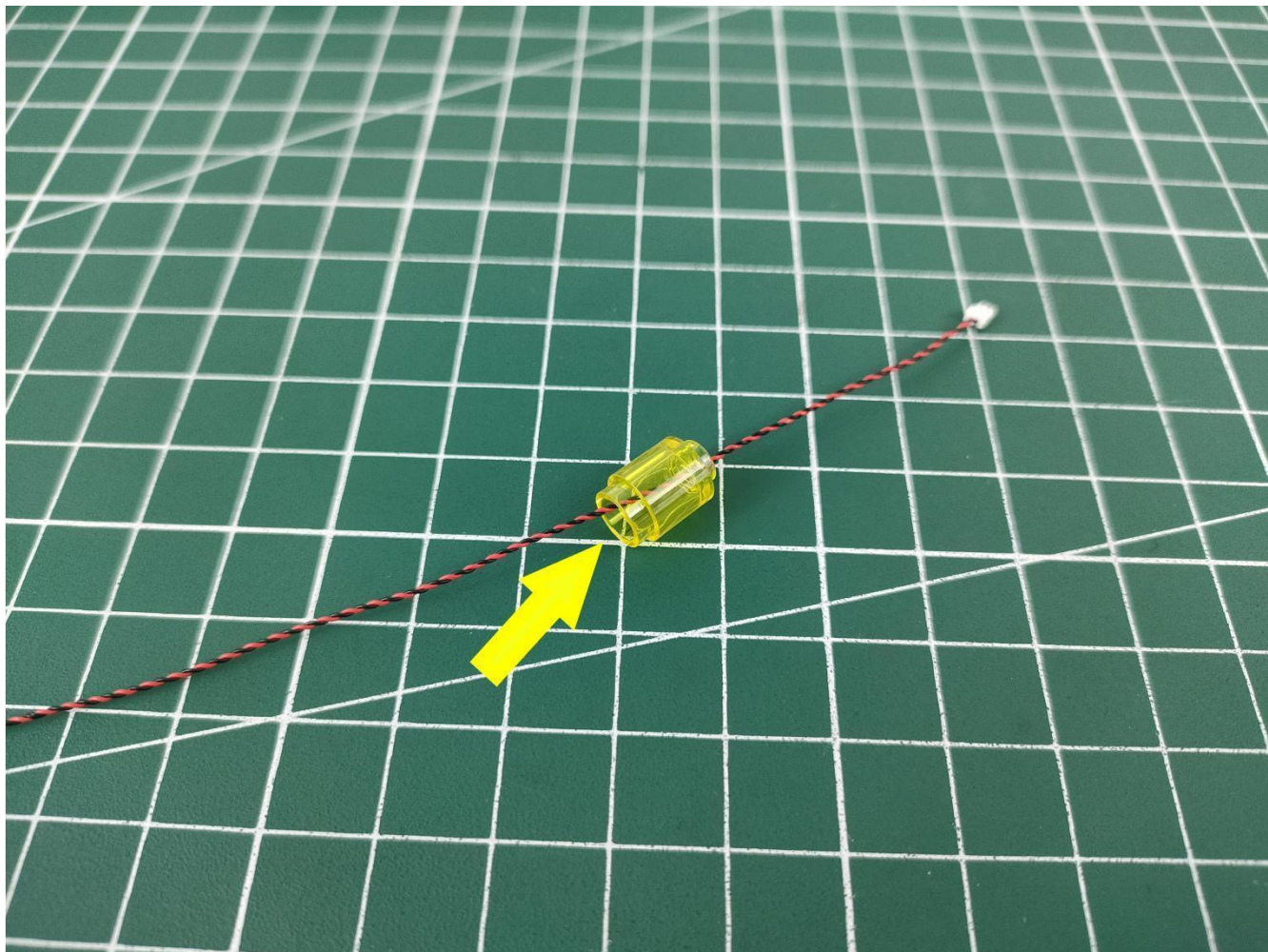






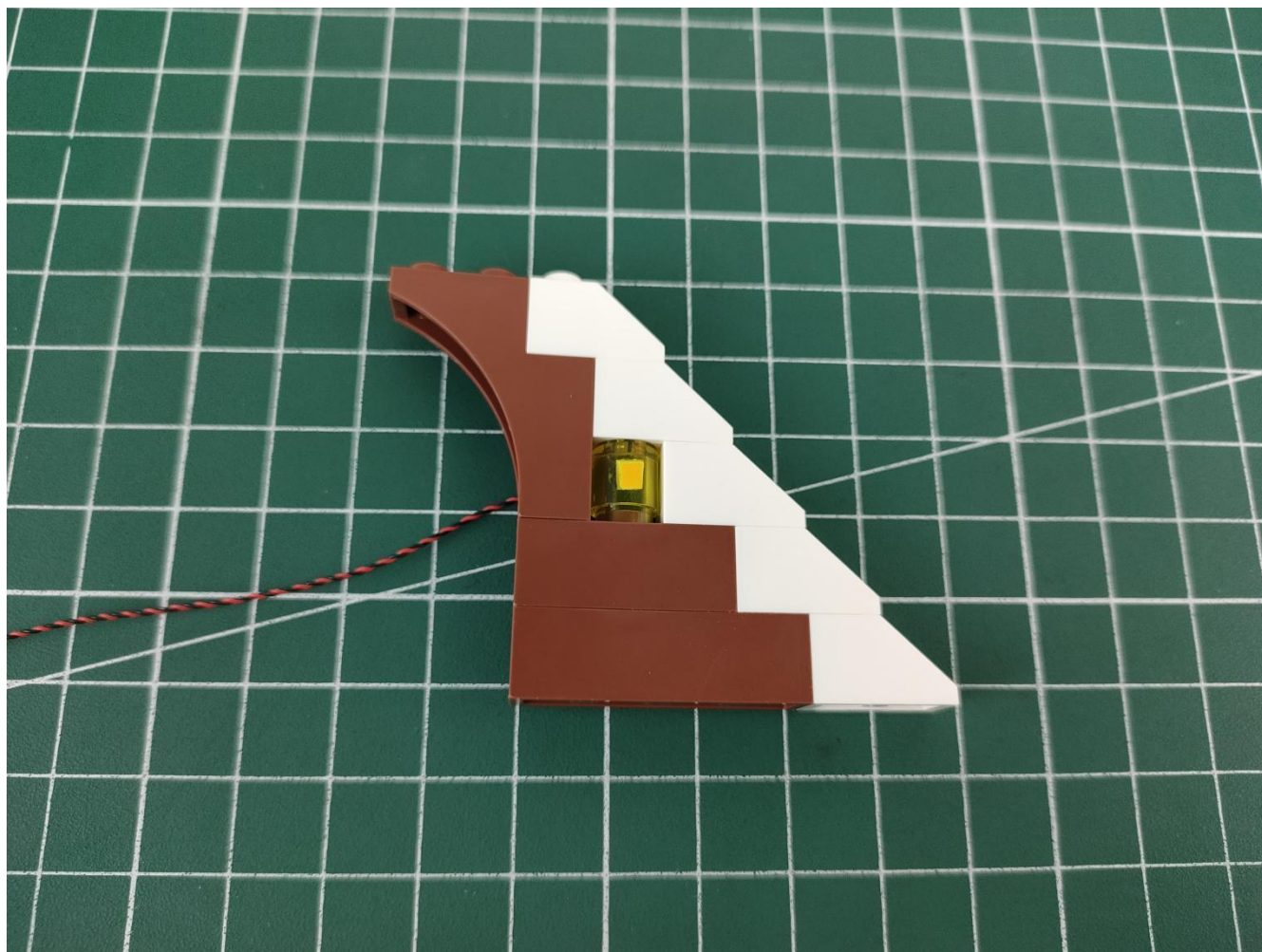




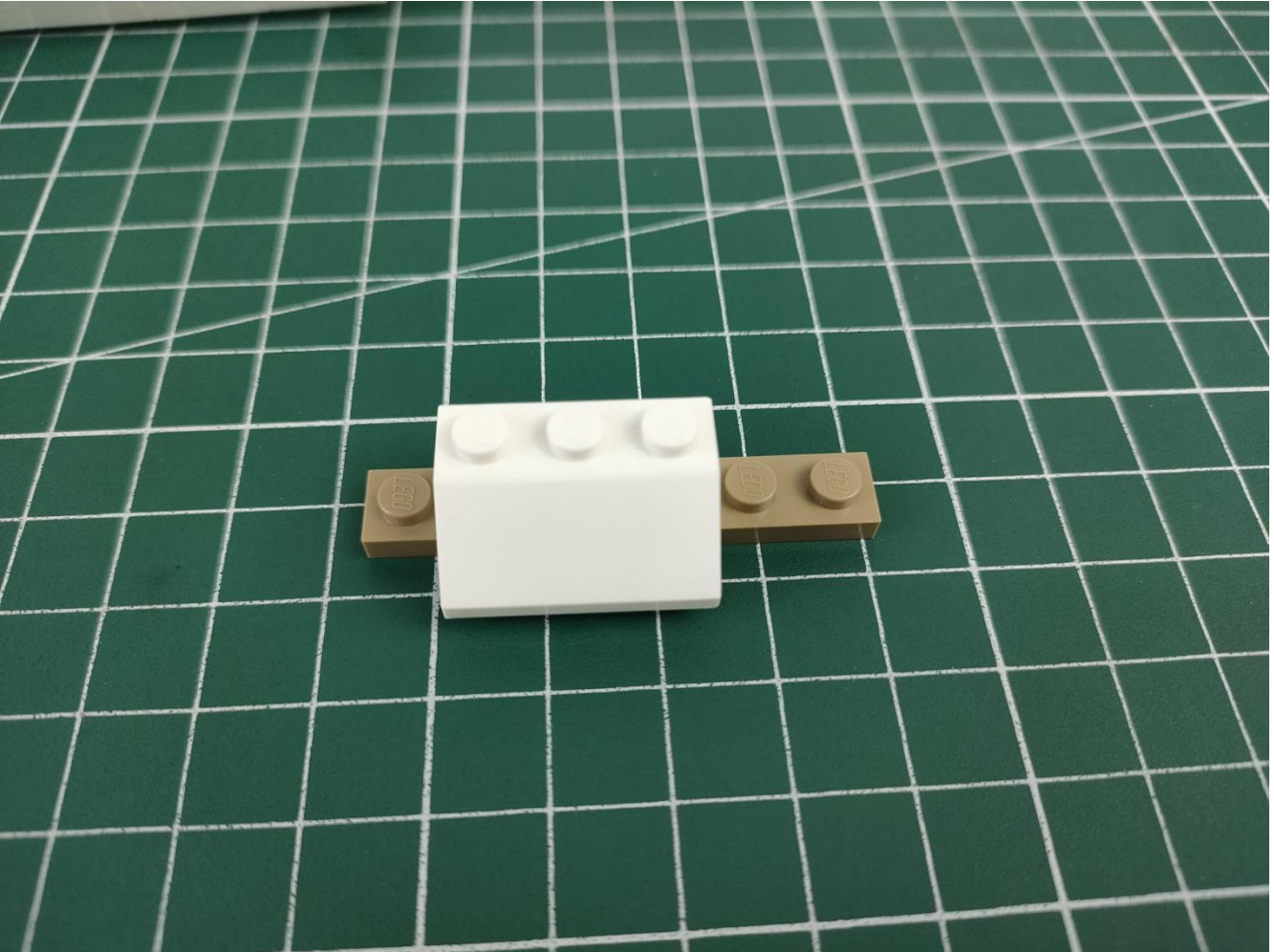
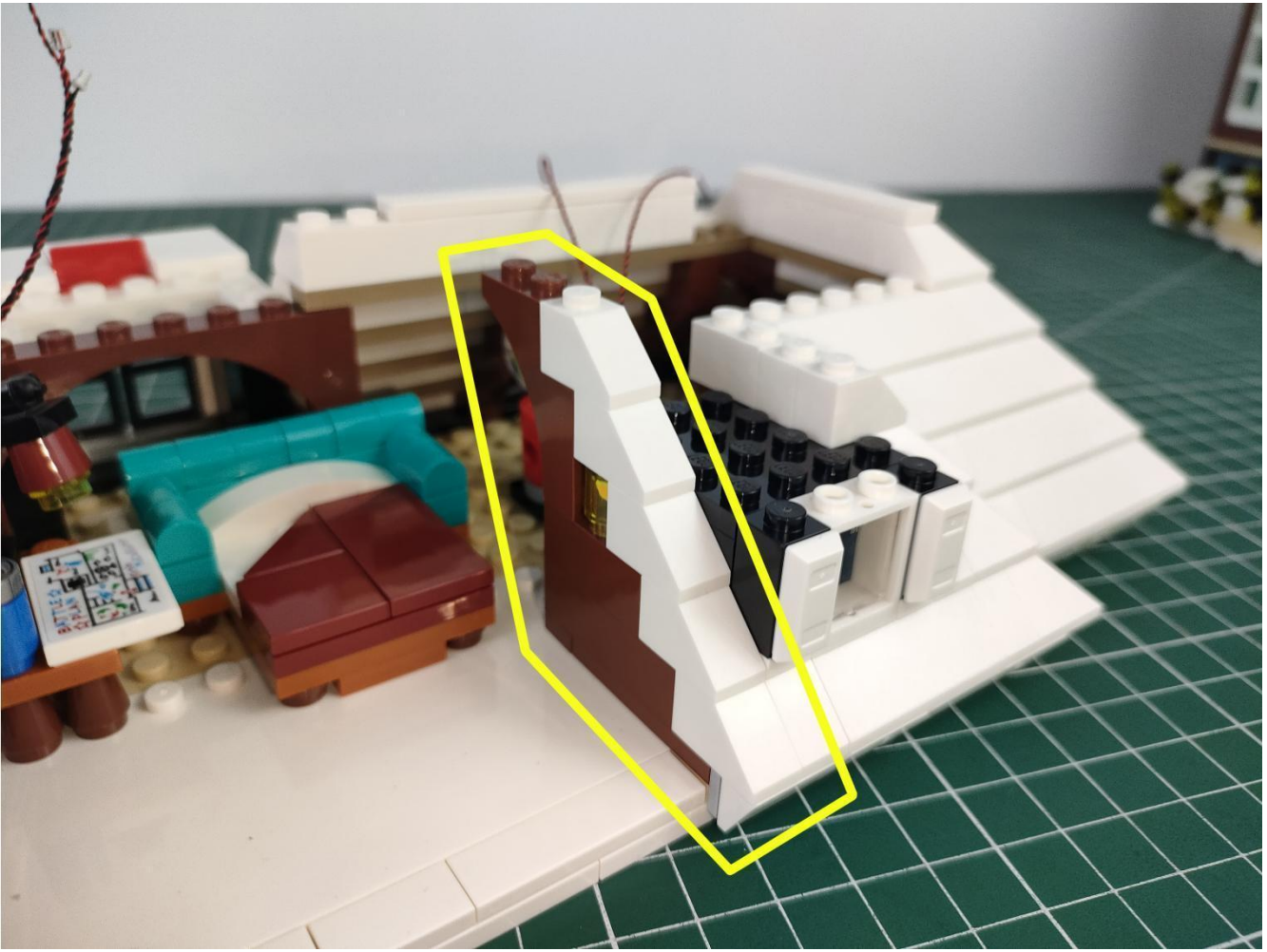




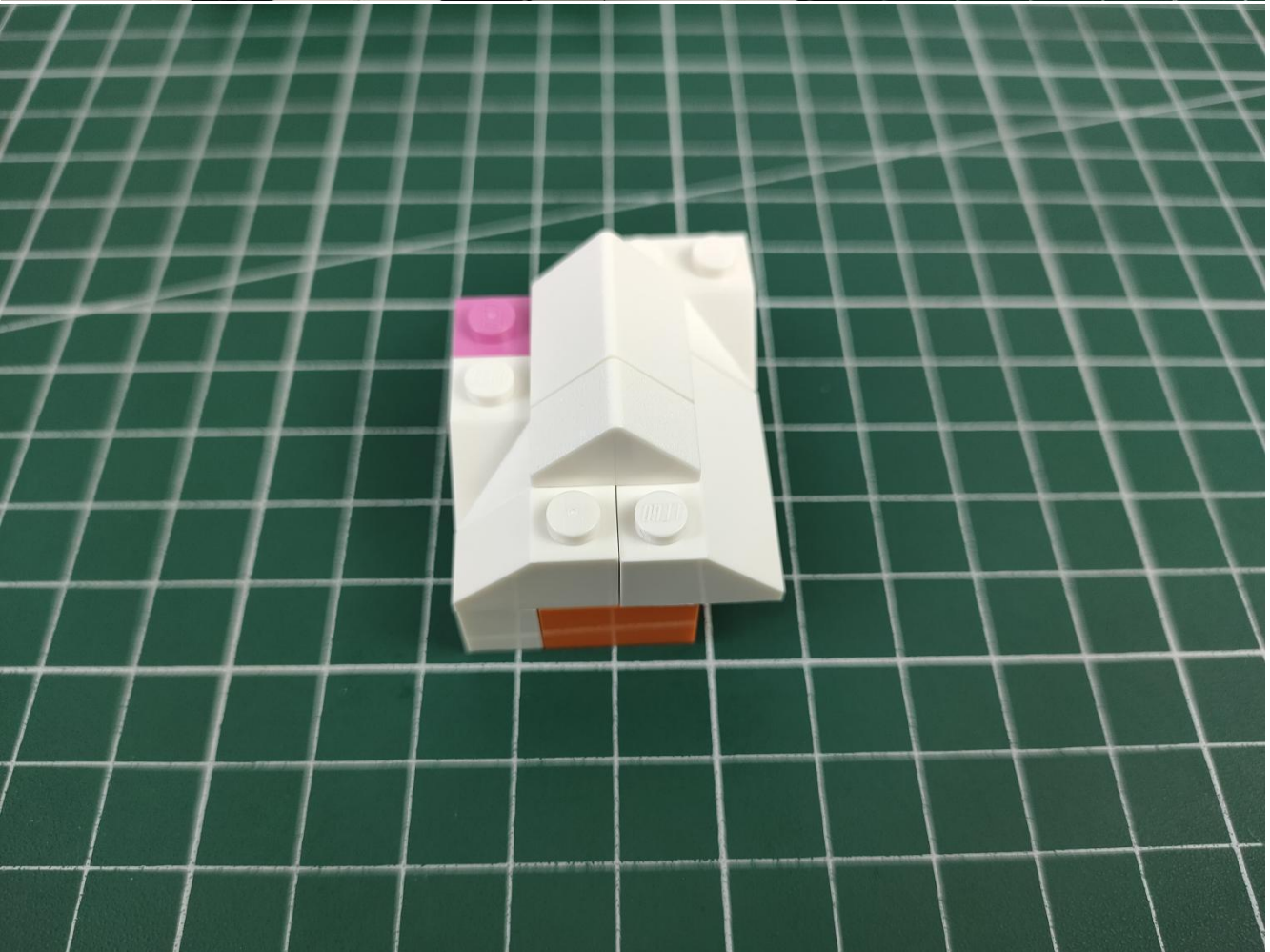
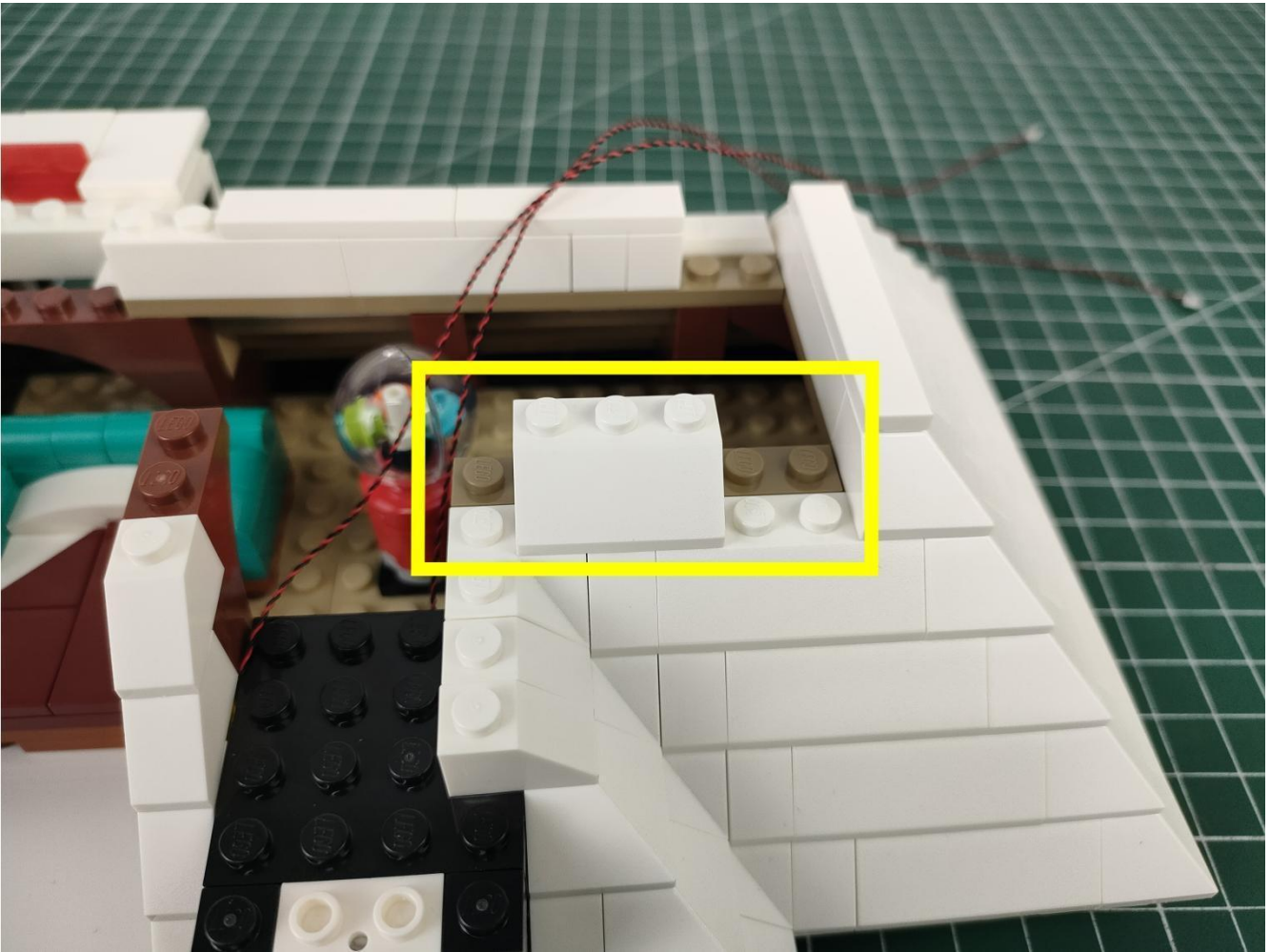
**Restore the blocks. At this time, the light-emitting surface of the lamp particle faces itself.**



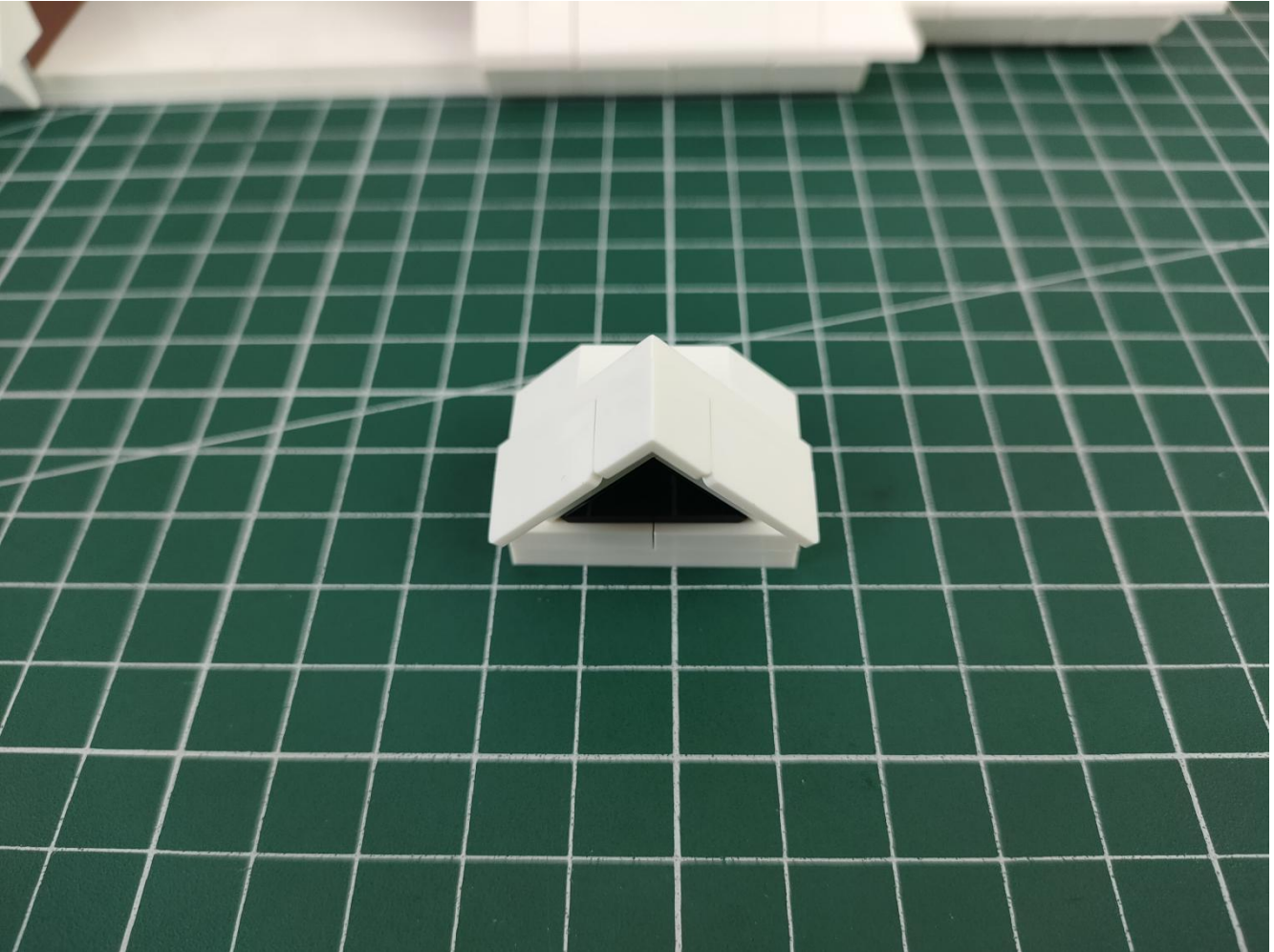
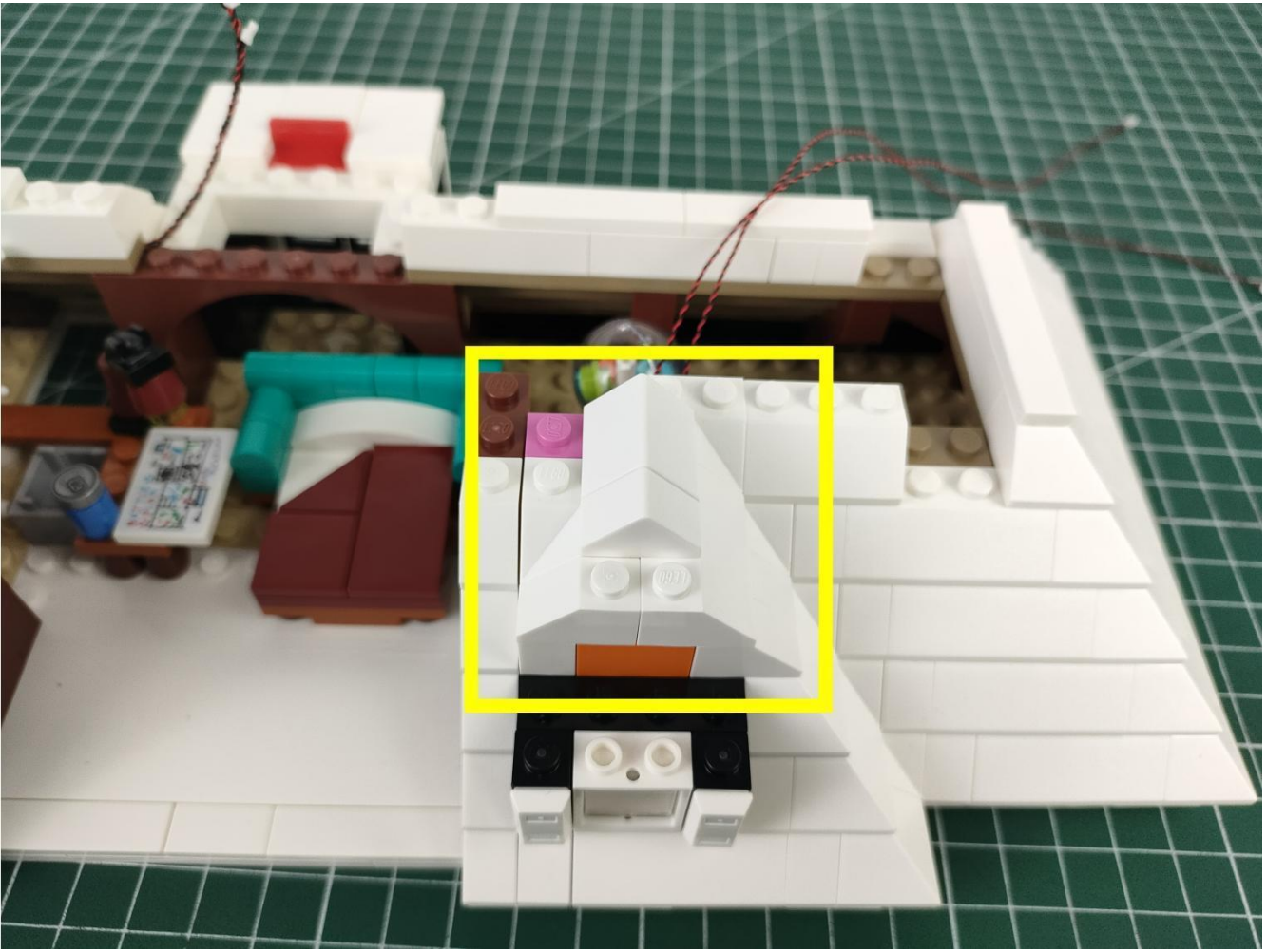




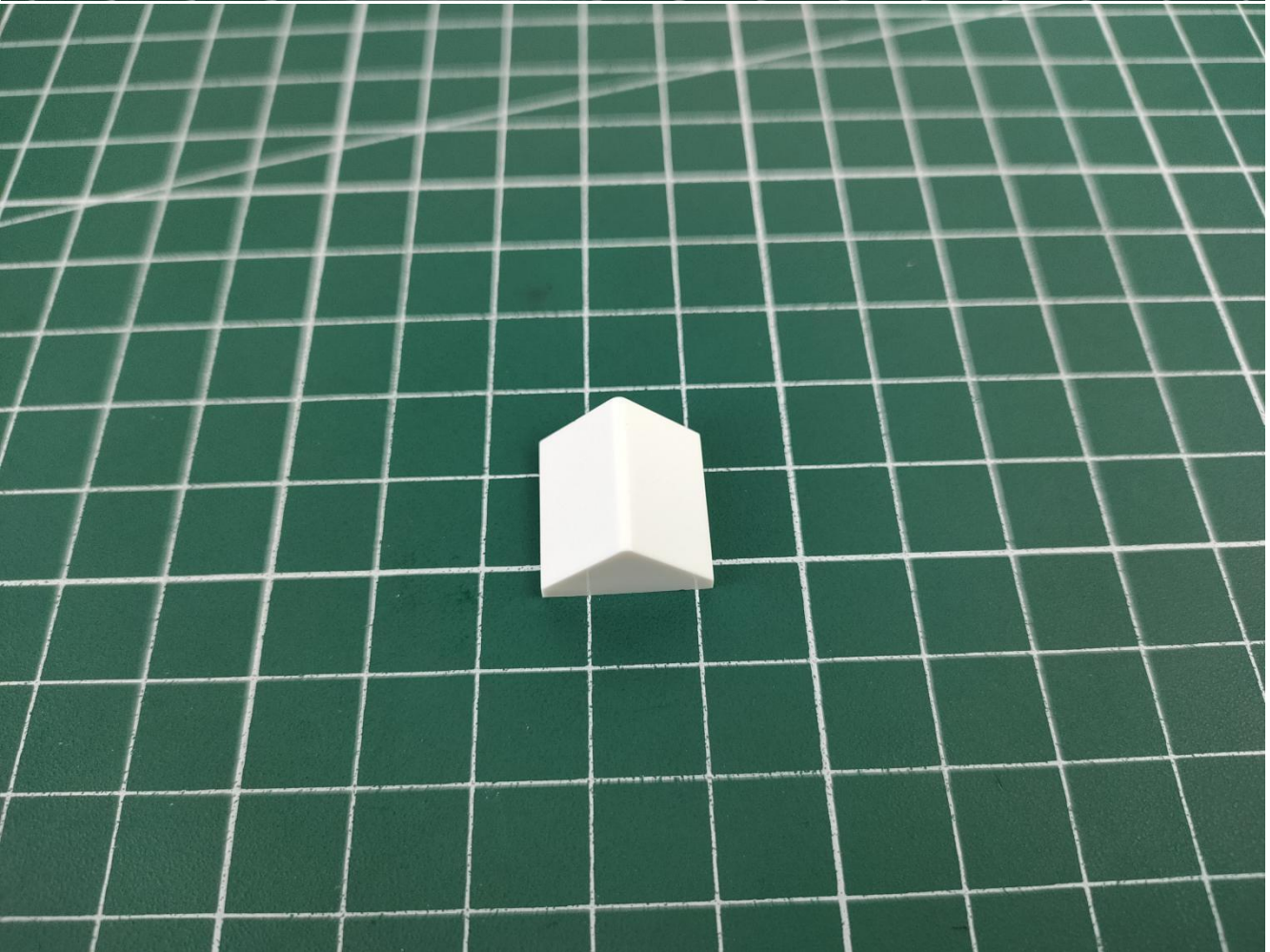
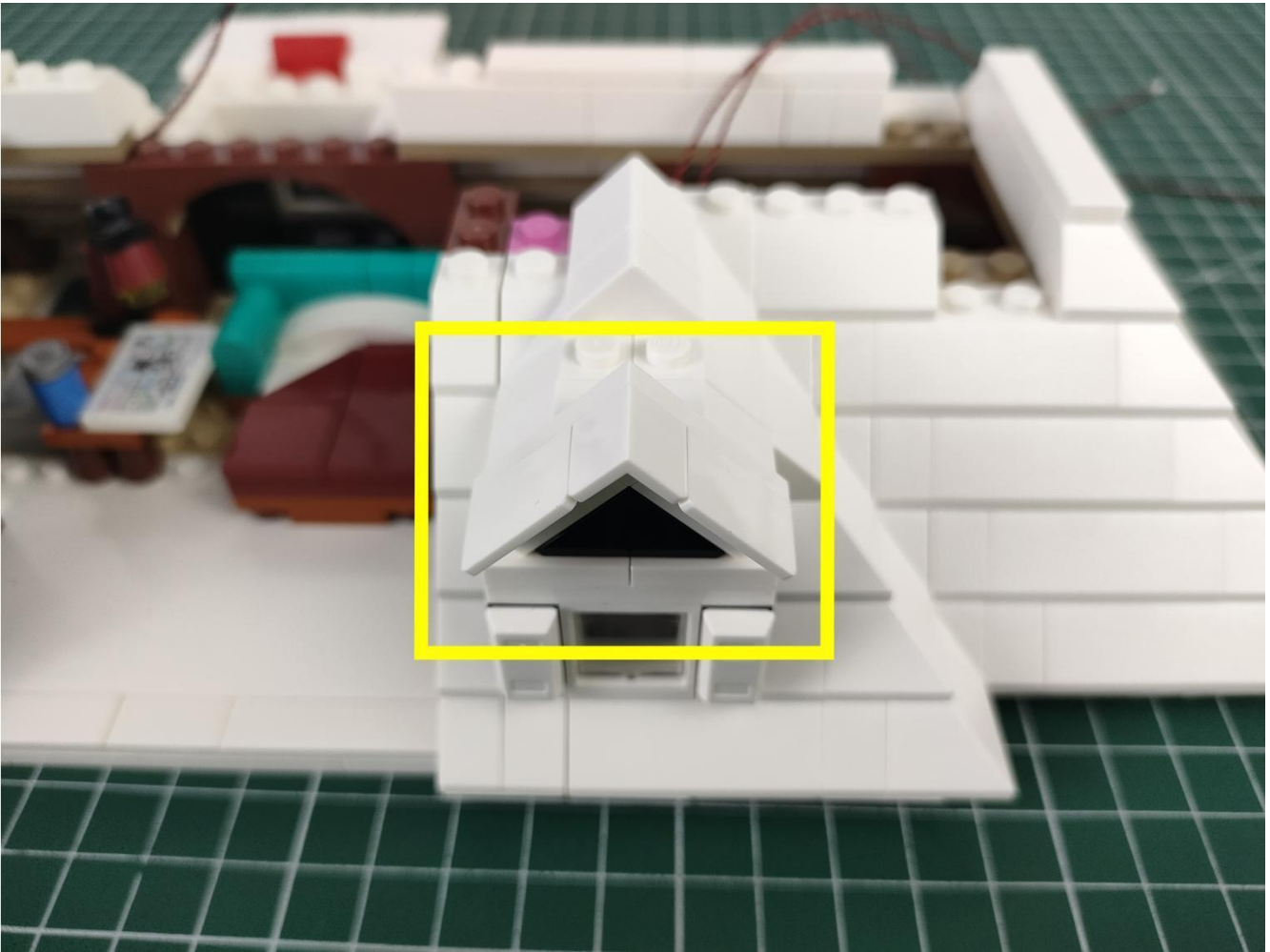




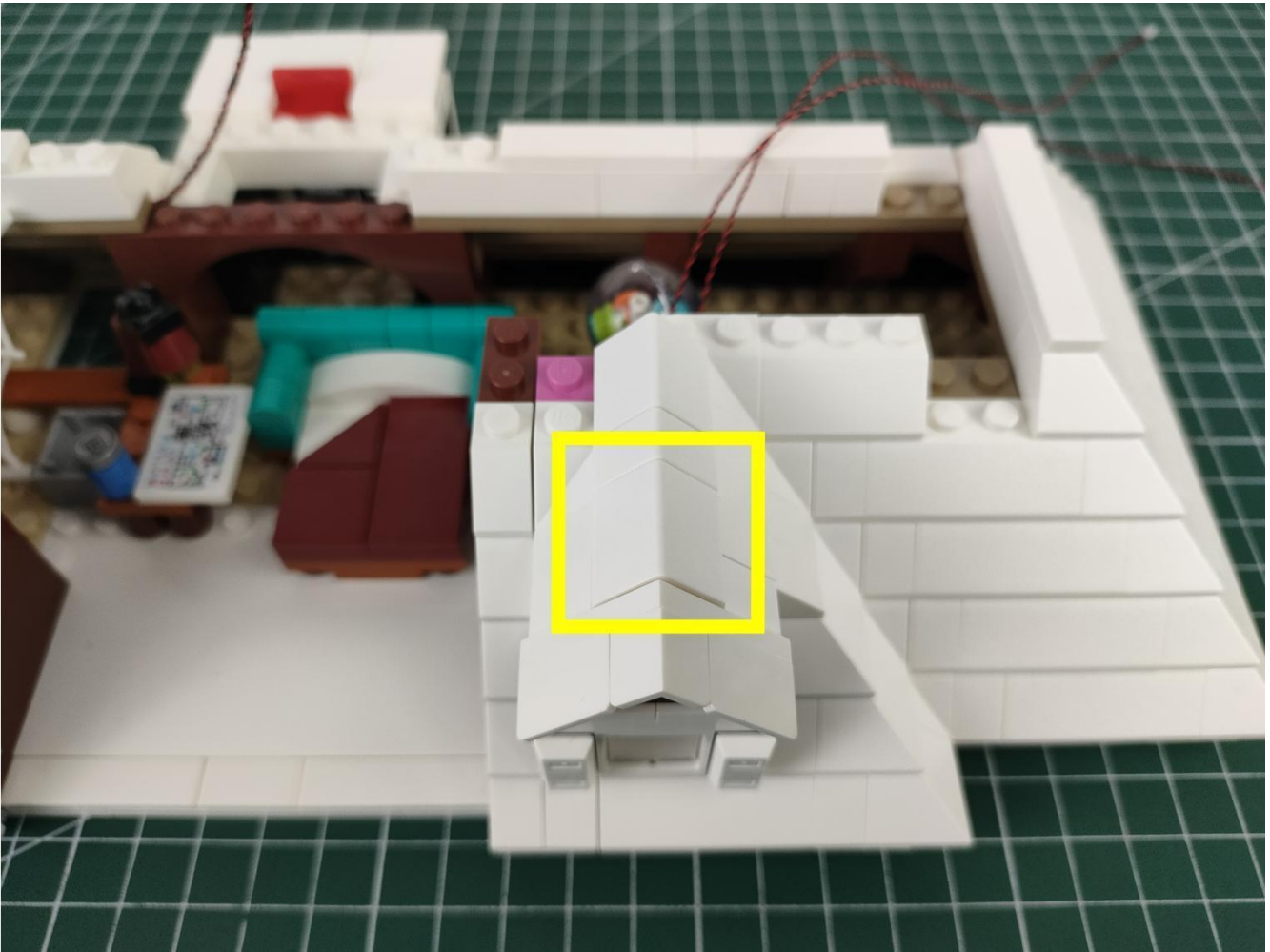










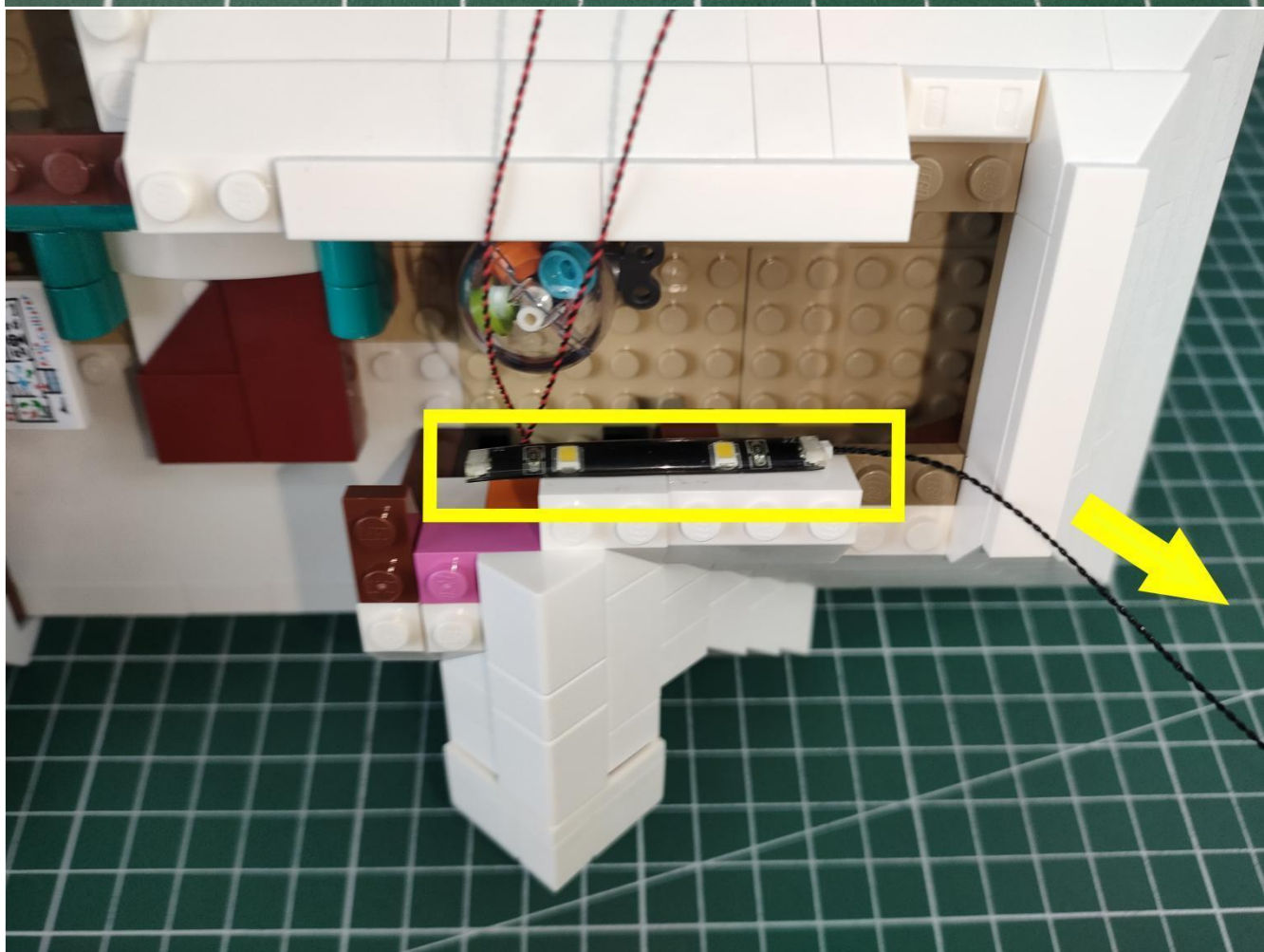
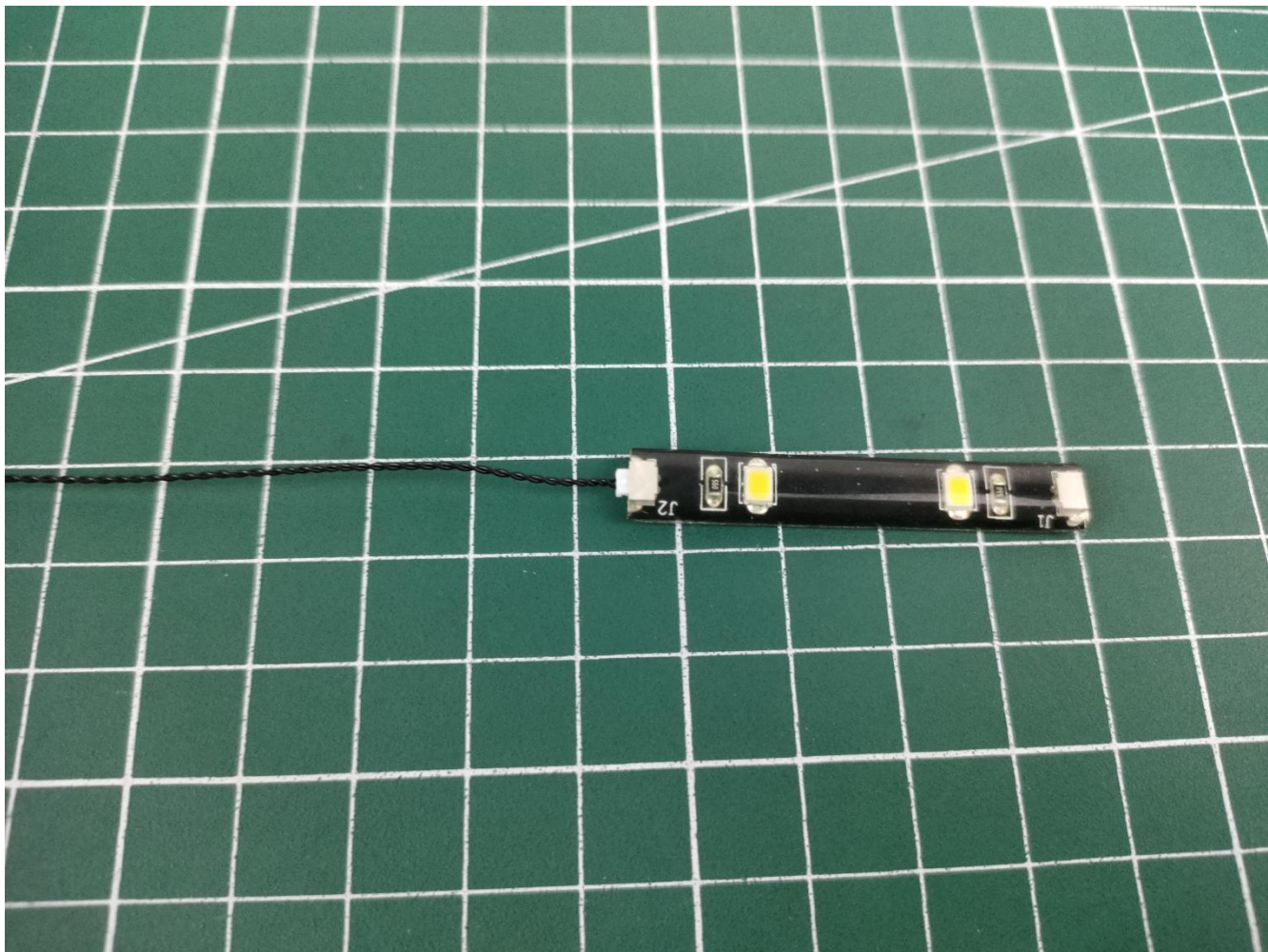




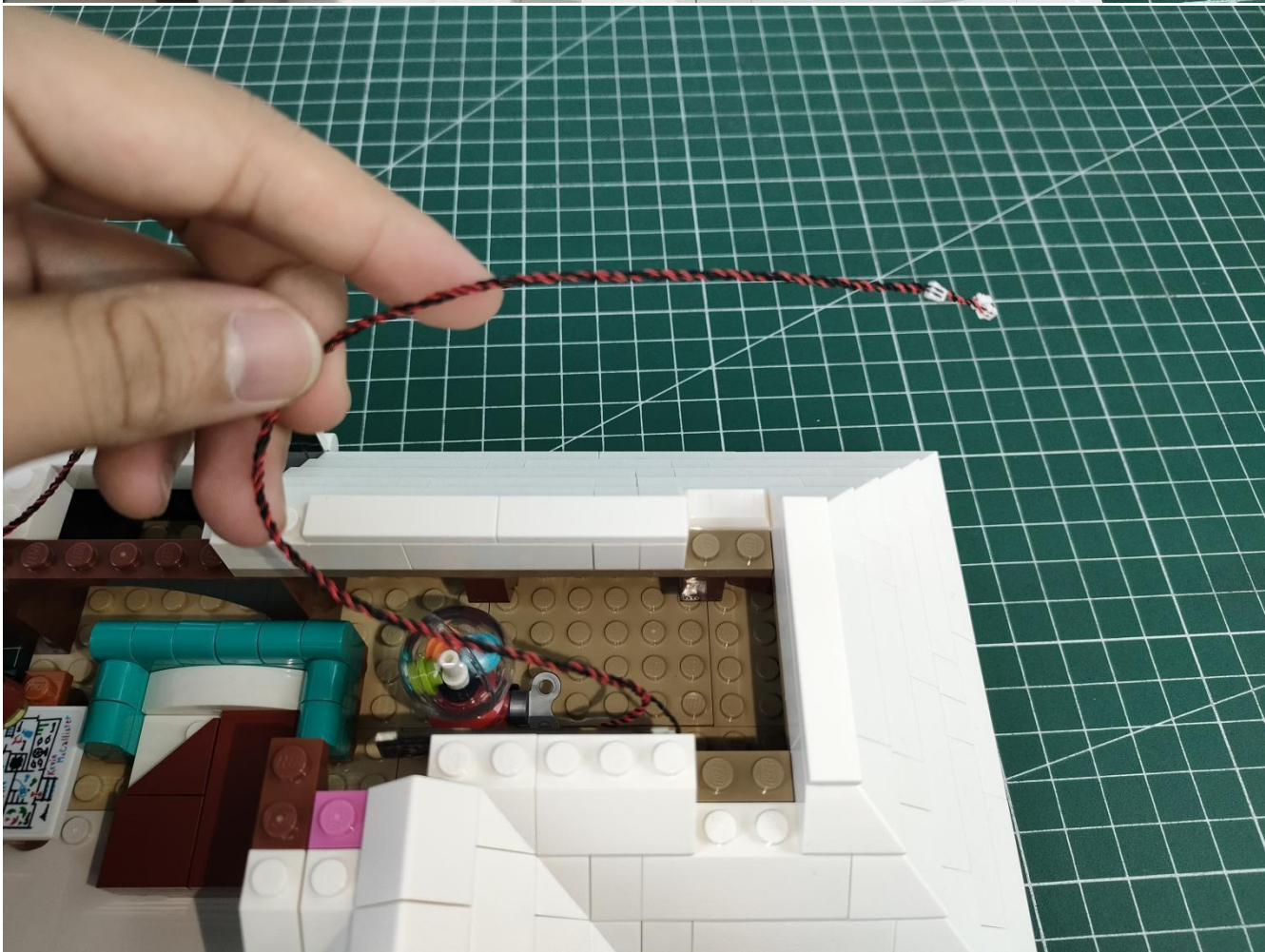
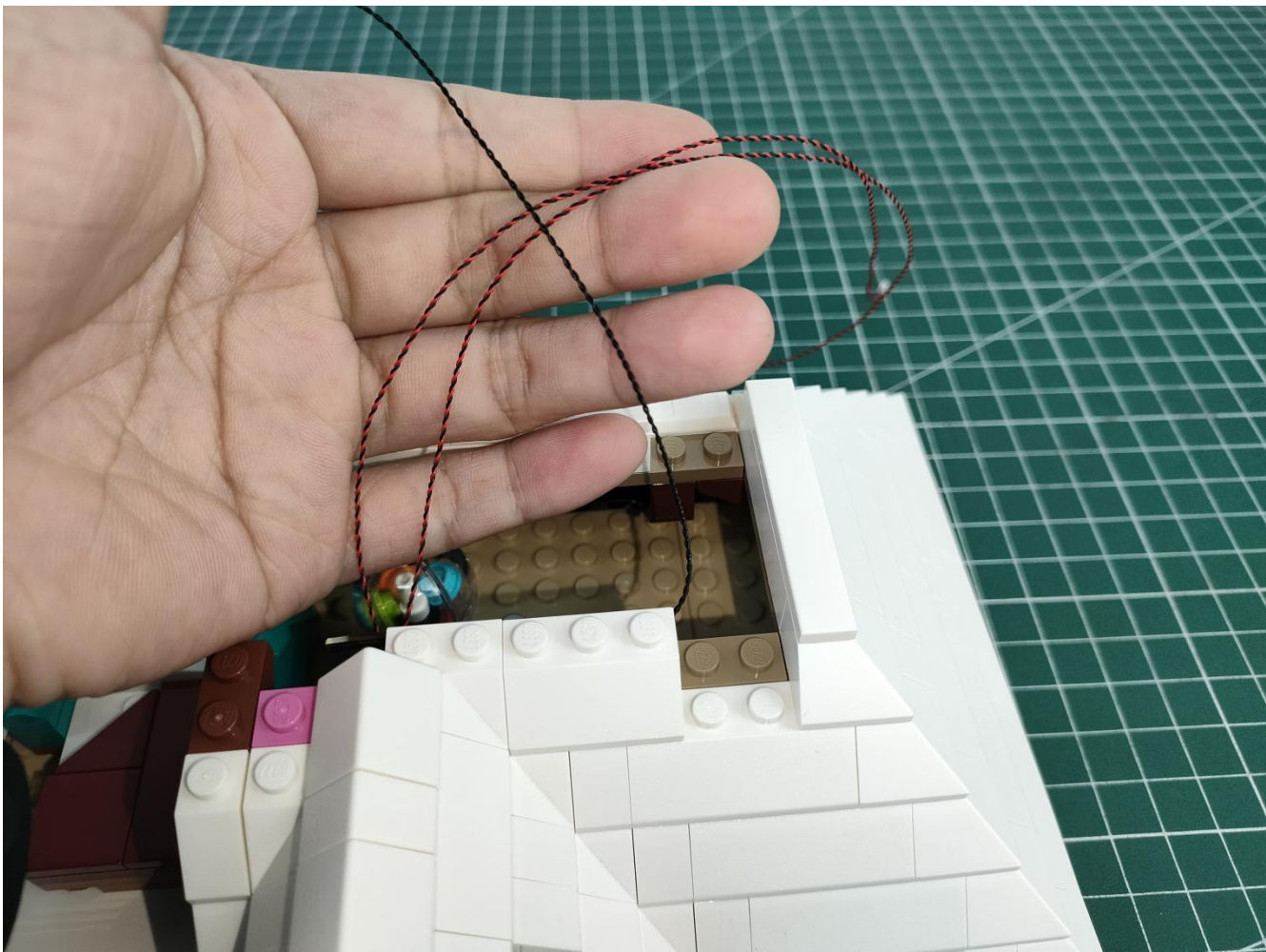
連接線 20CM  
Connecting Cables  
20CM



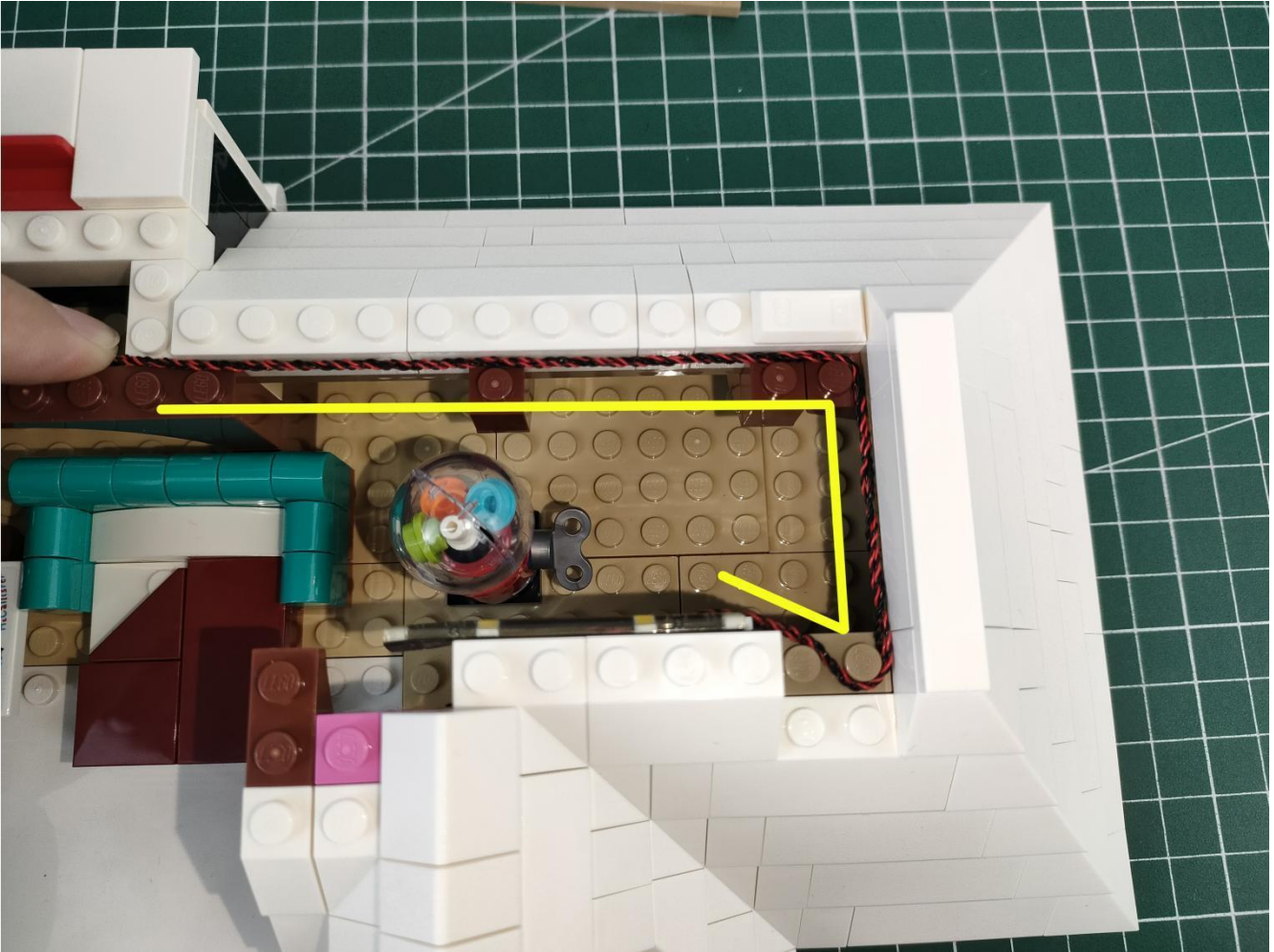
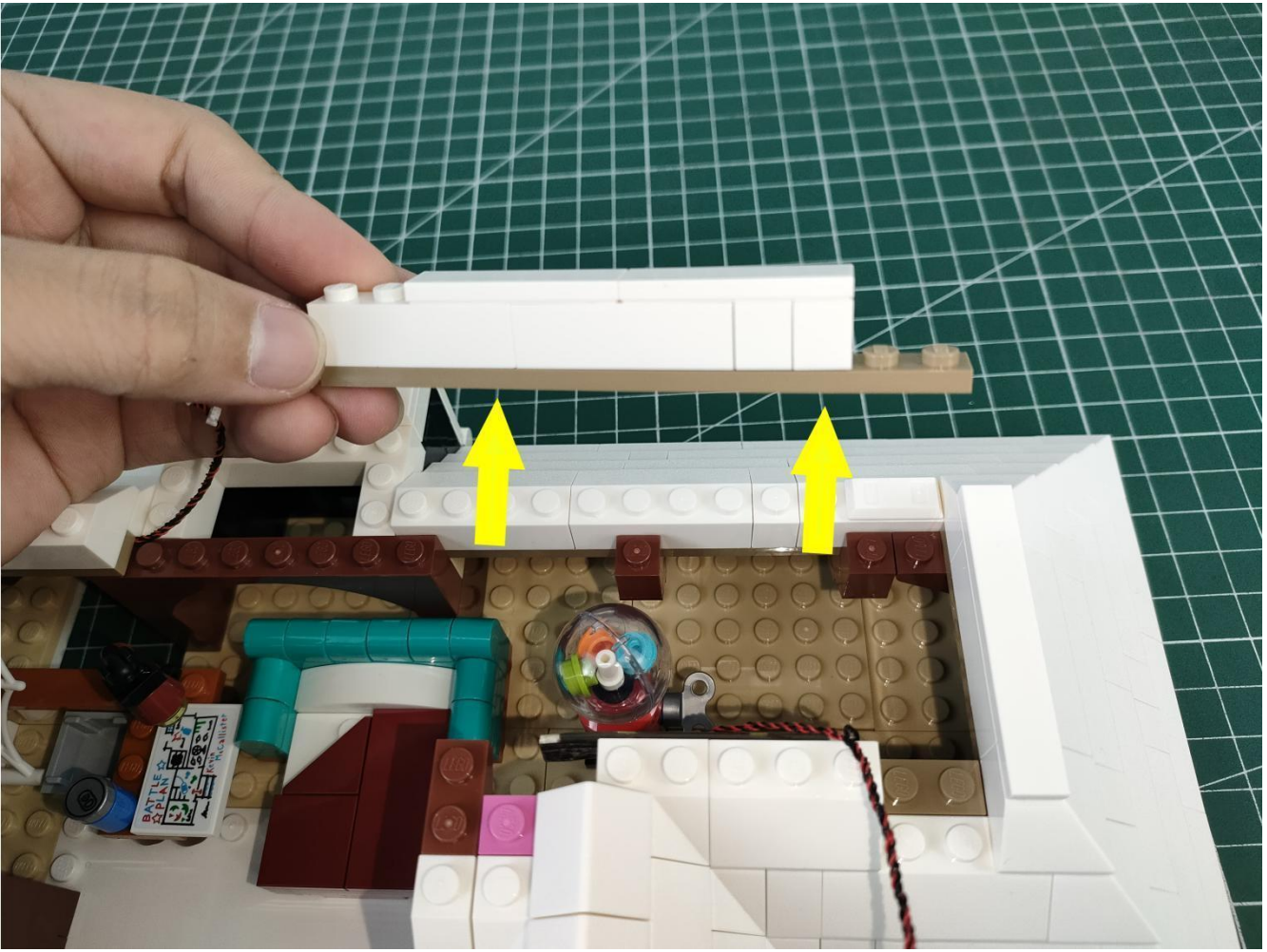




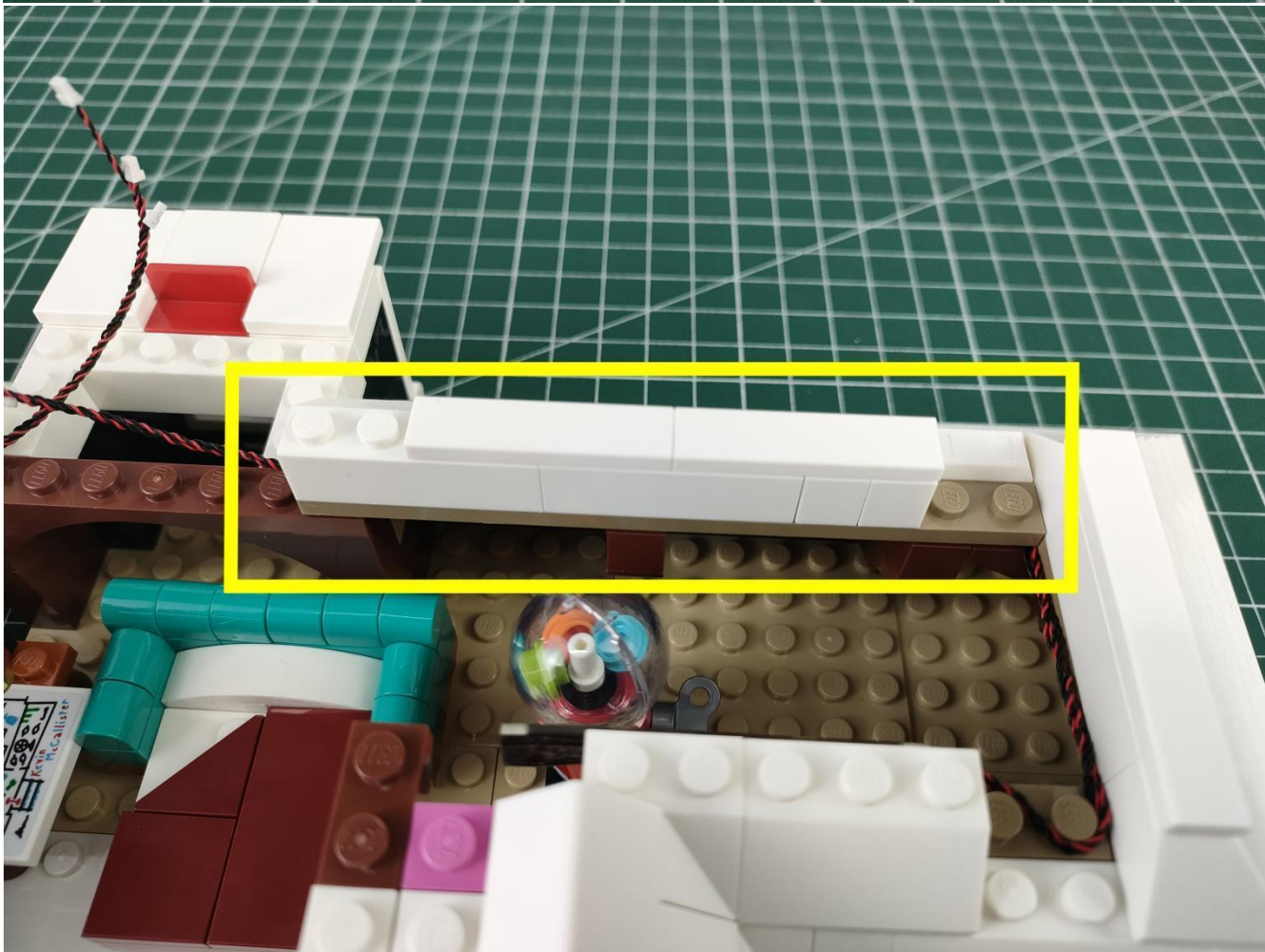
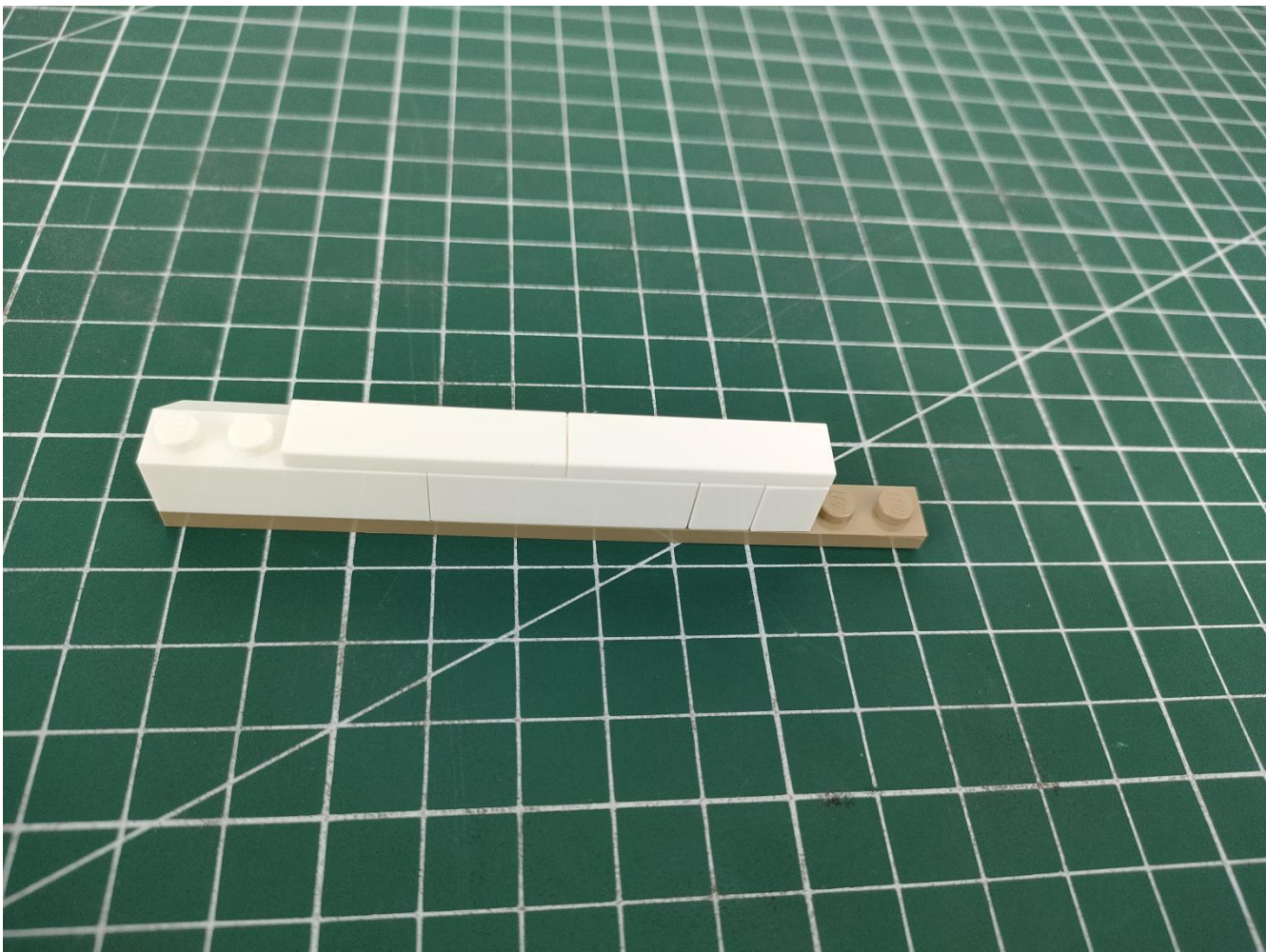




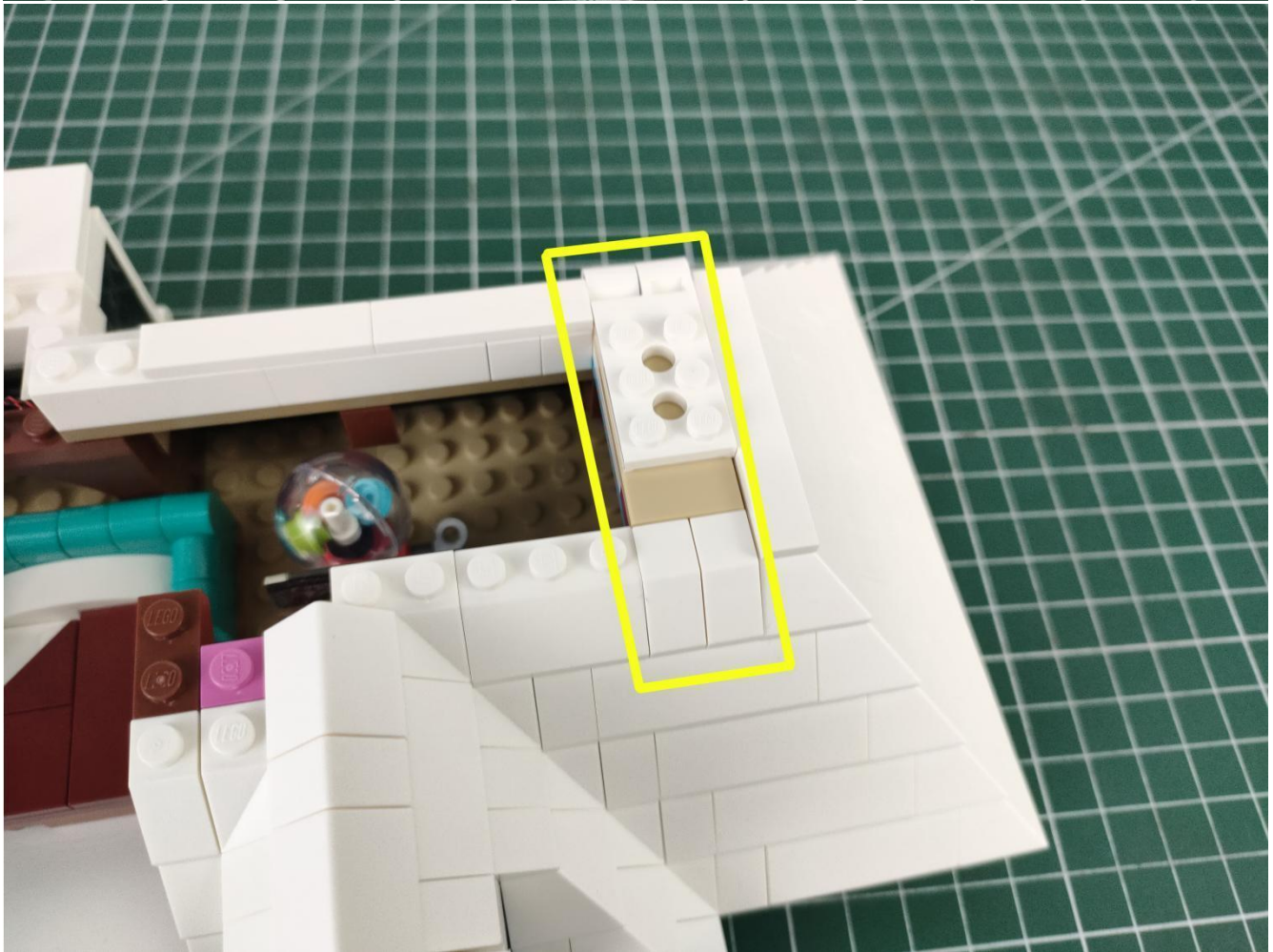
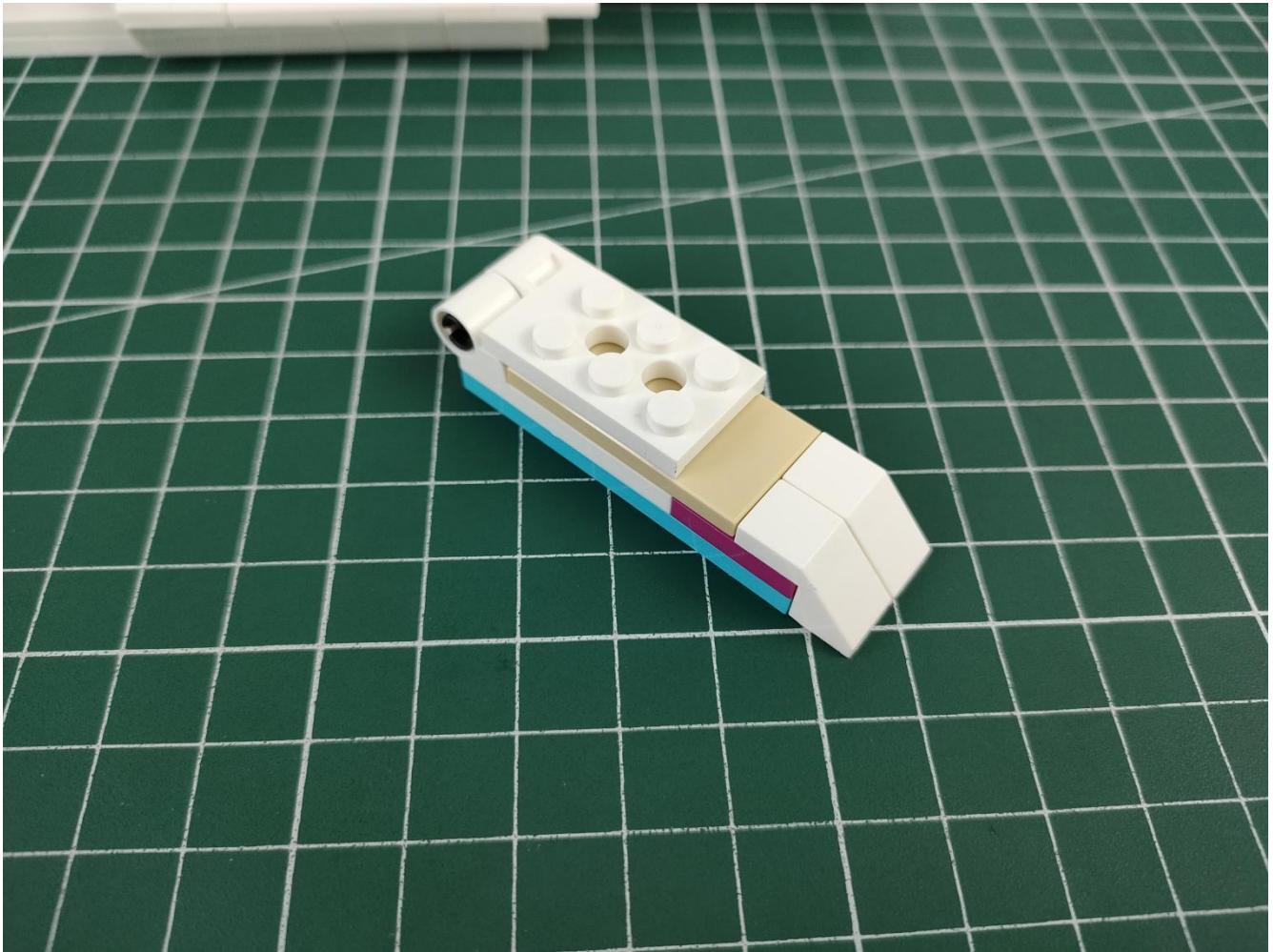




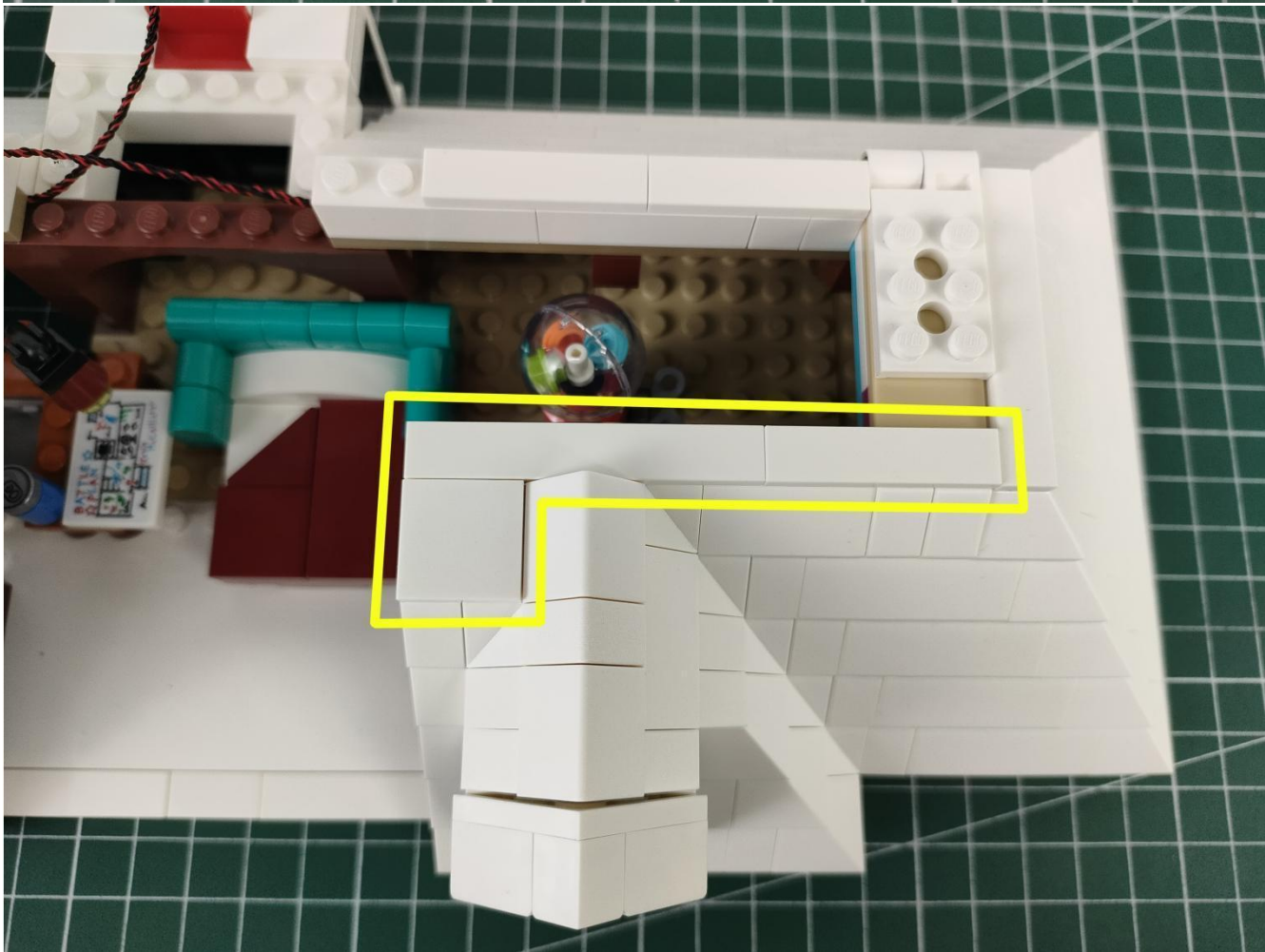
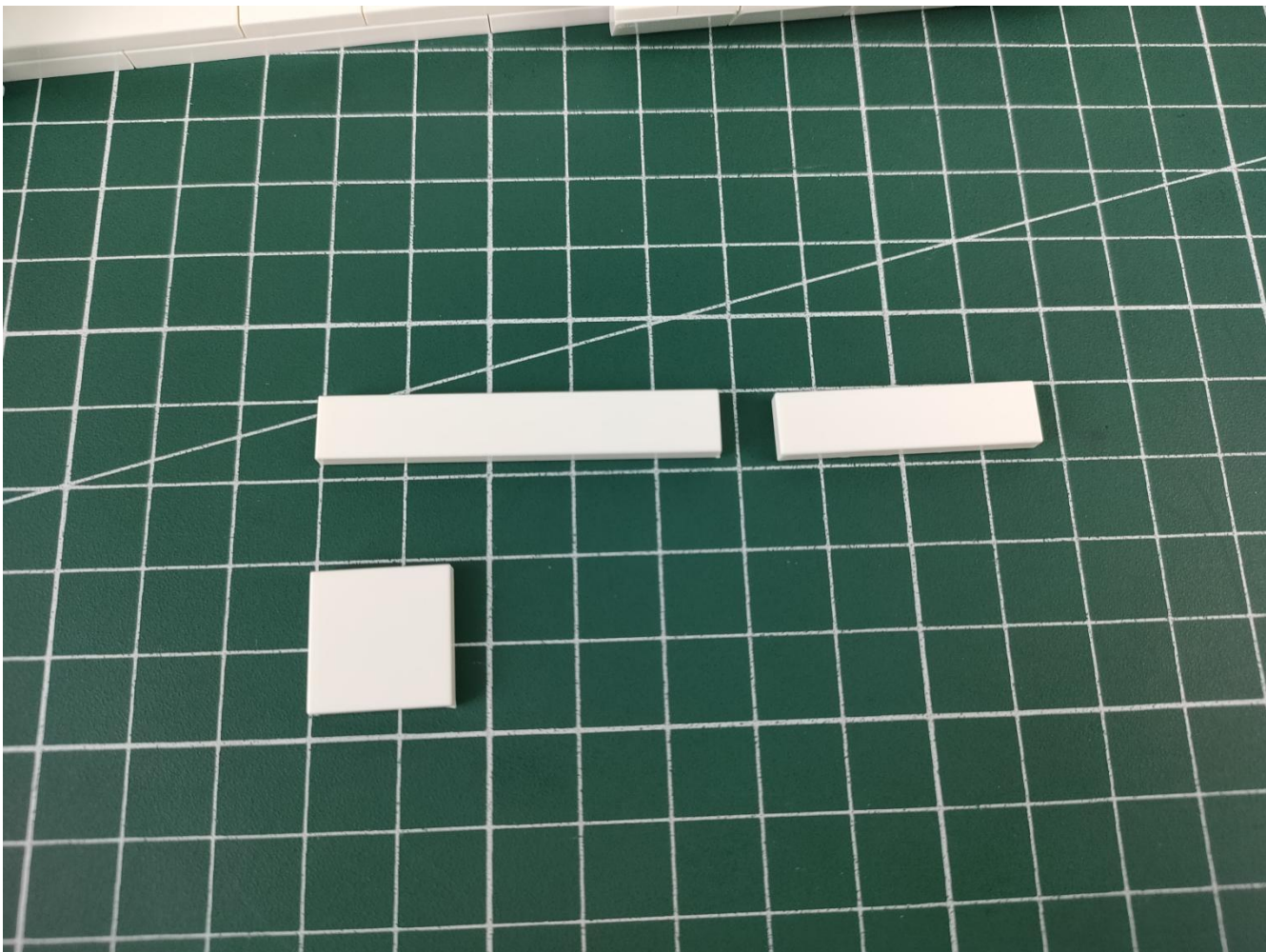




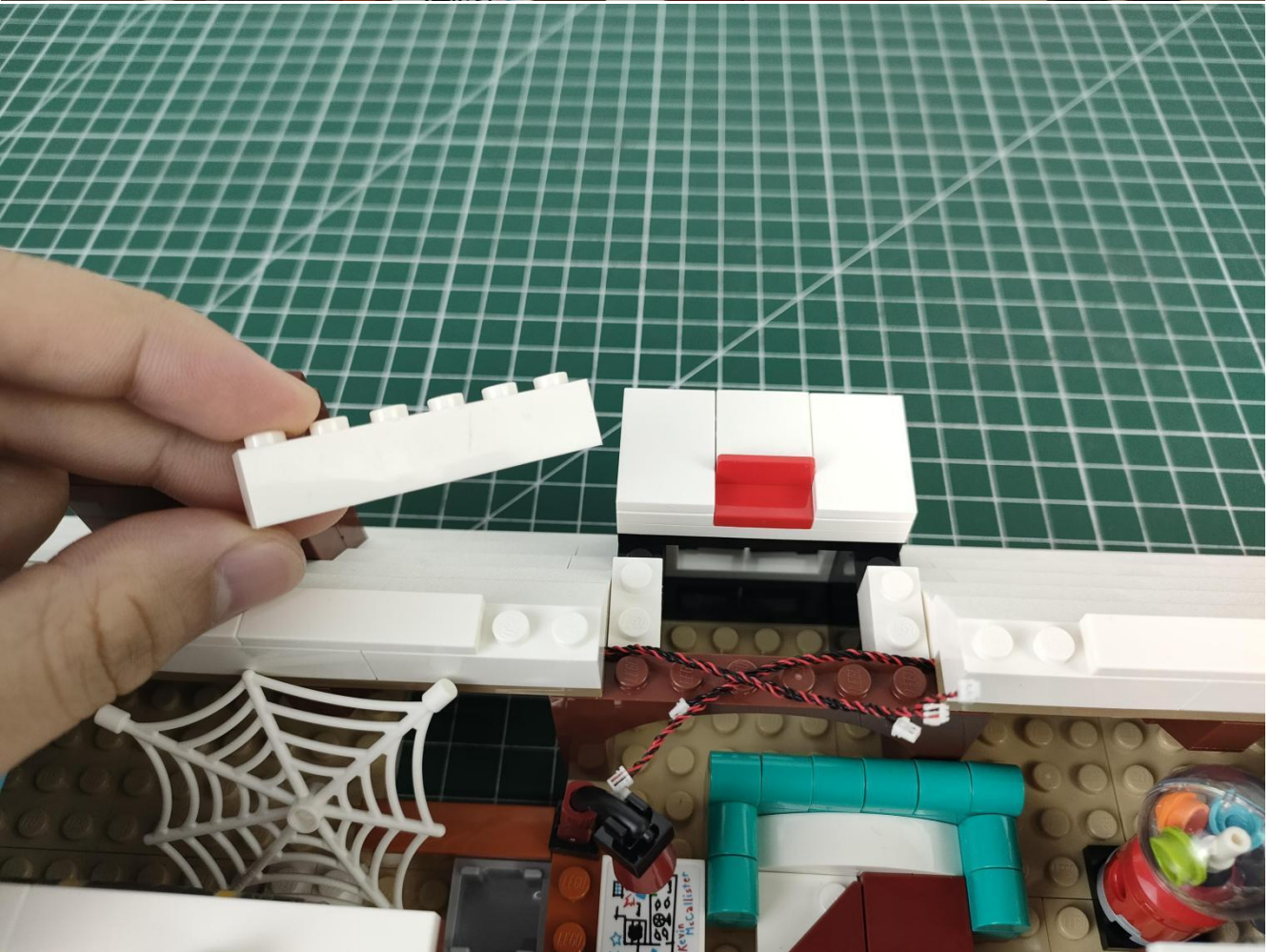
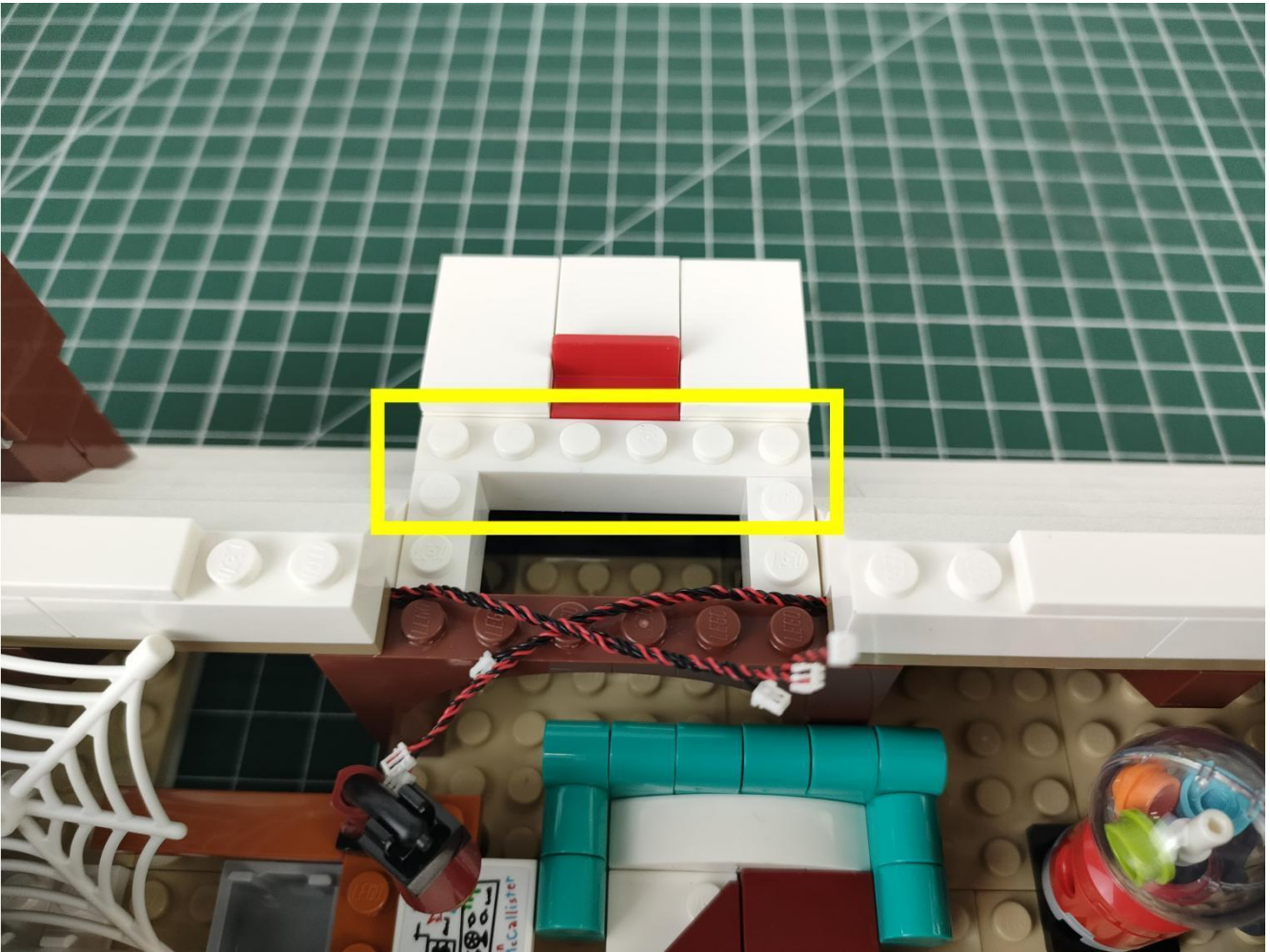
















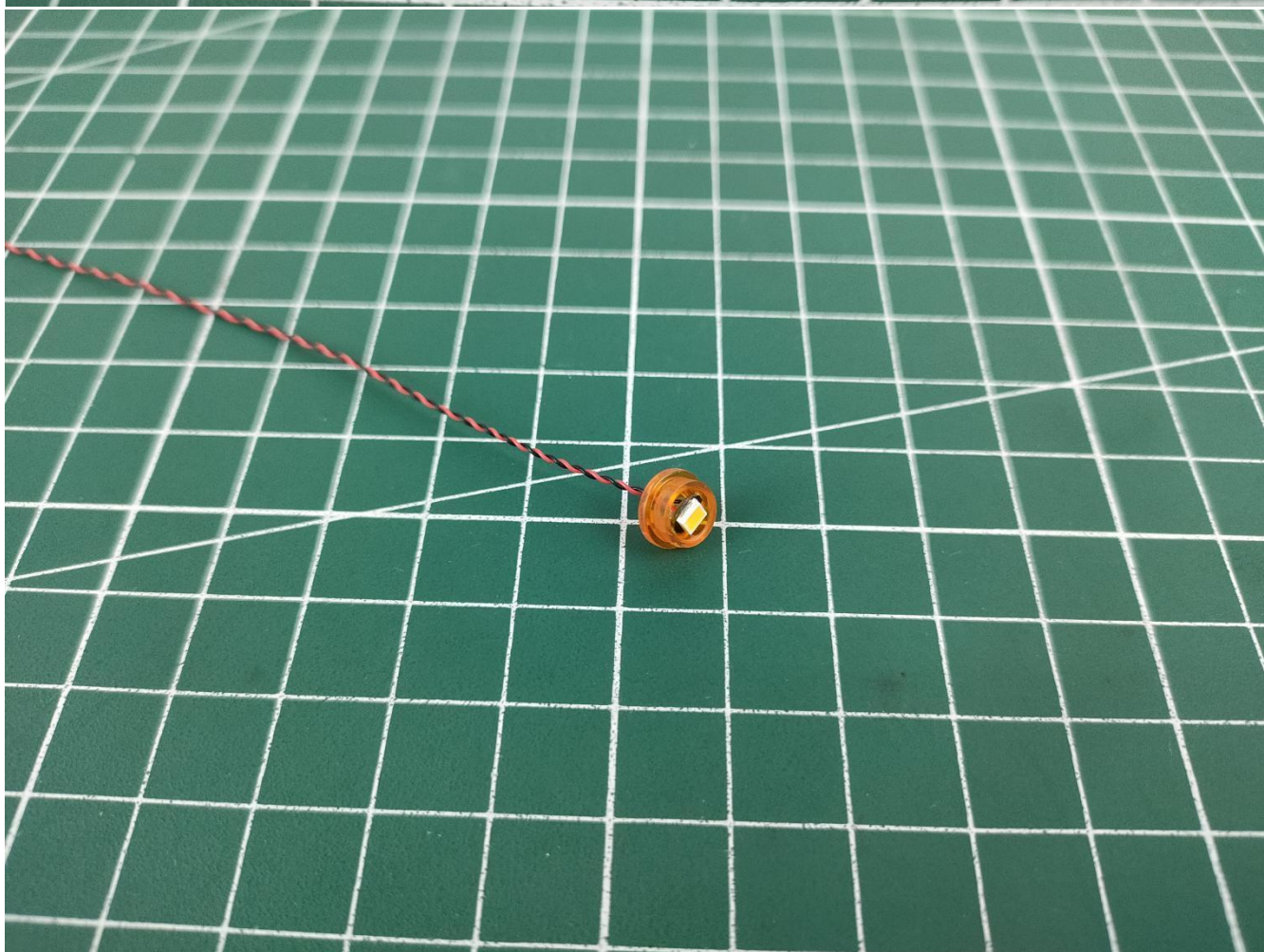
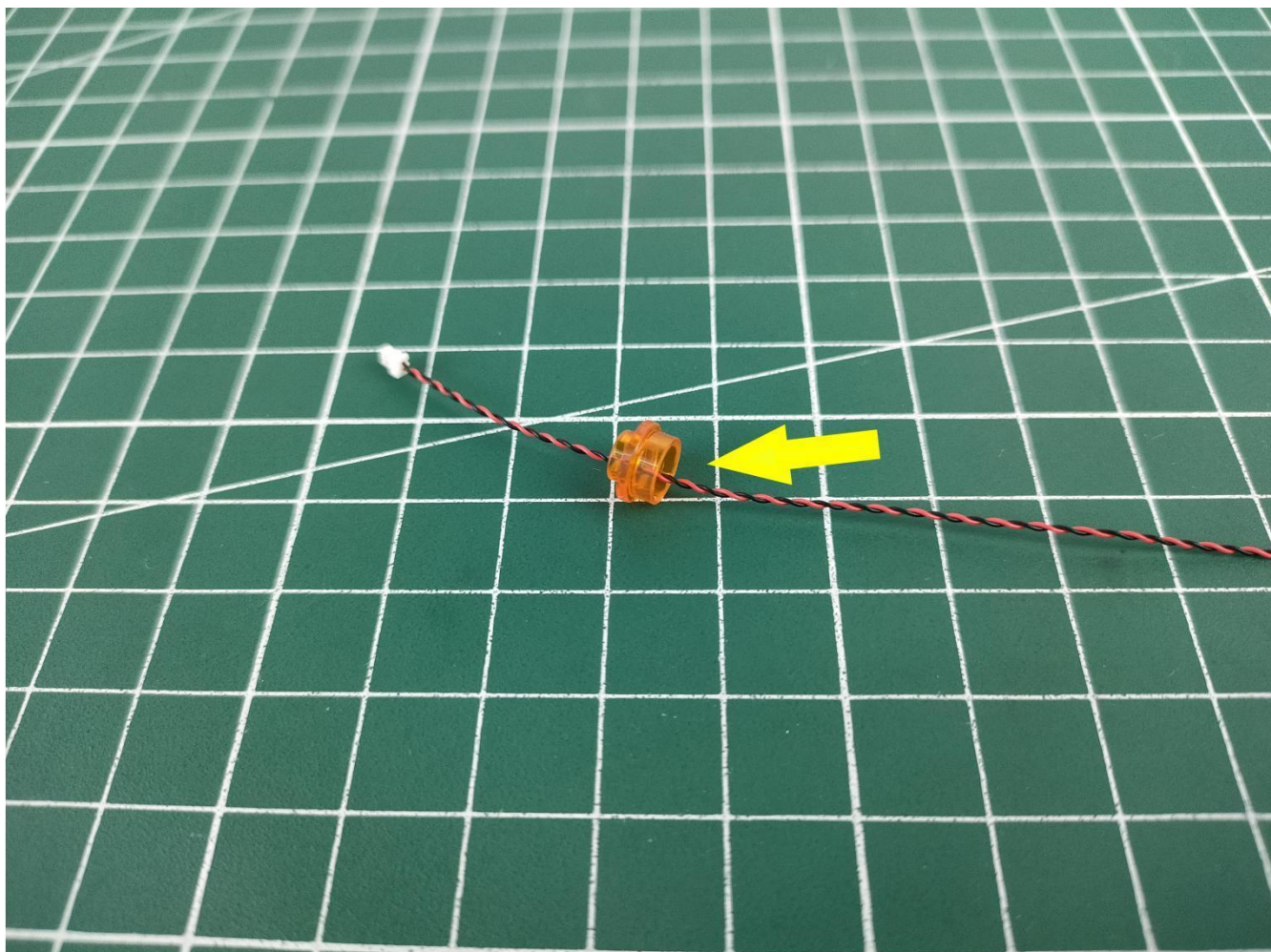
15CM大灯粒暖白  
Headlights-15CM  
-Warm White



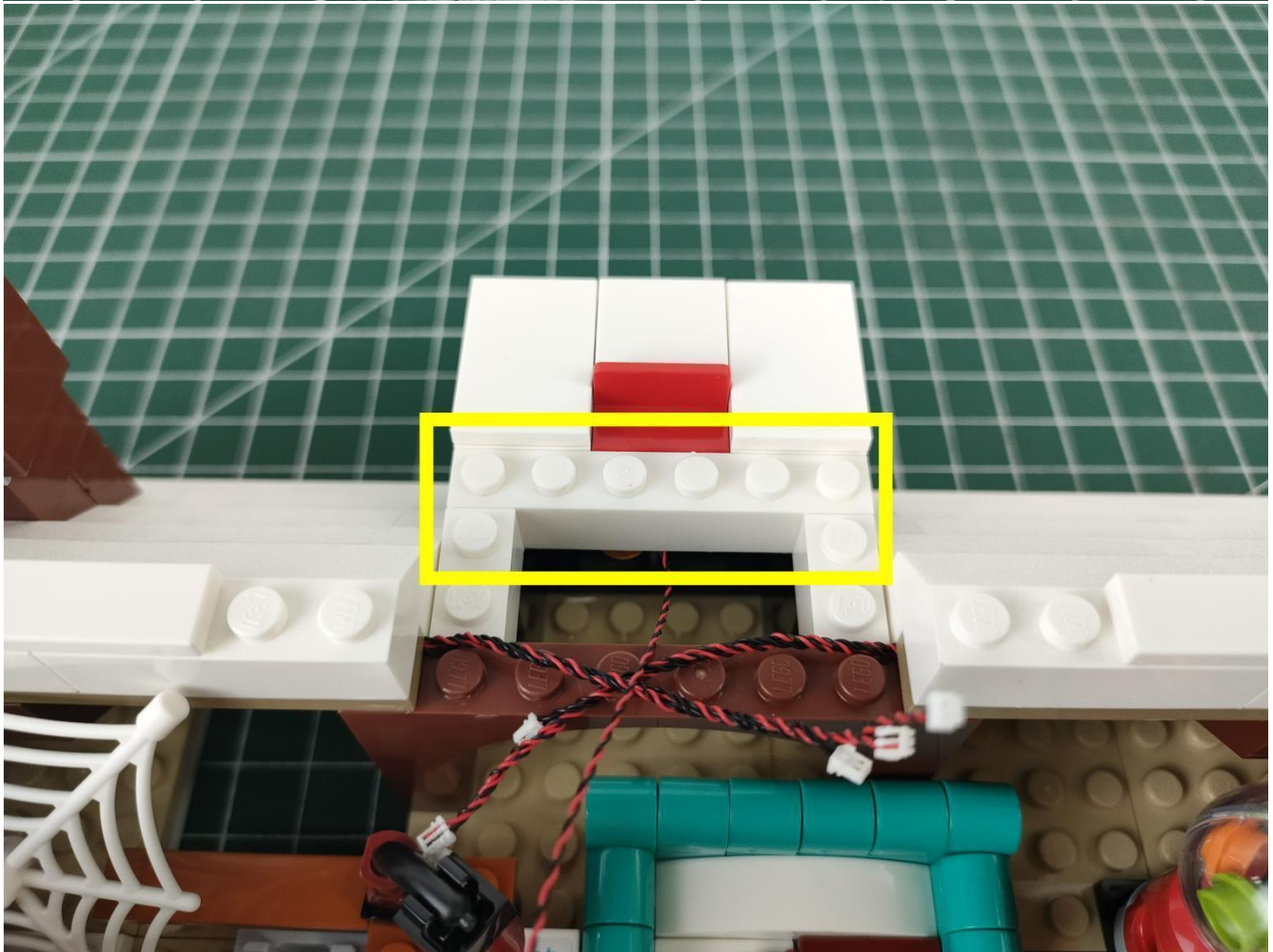
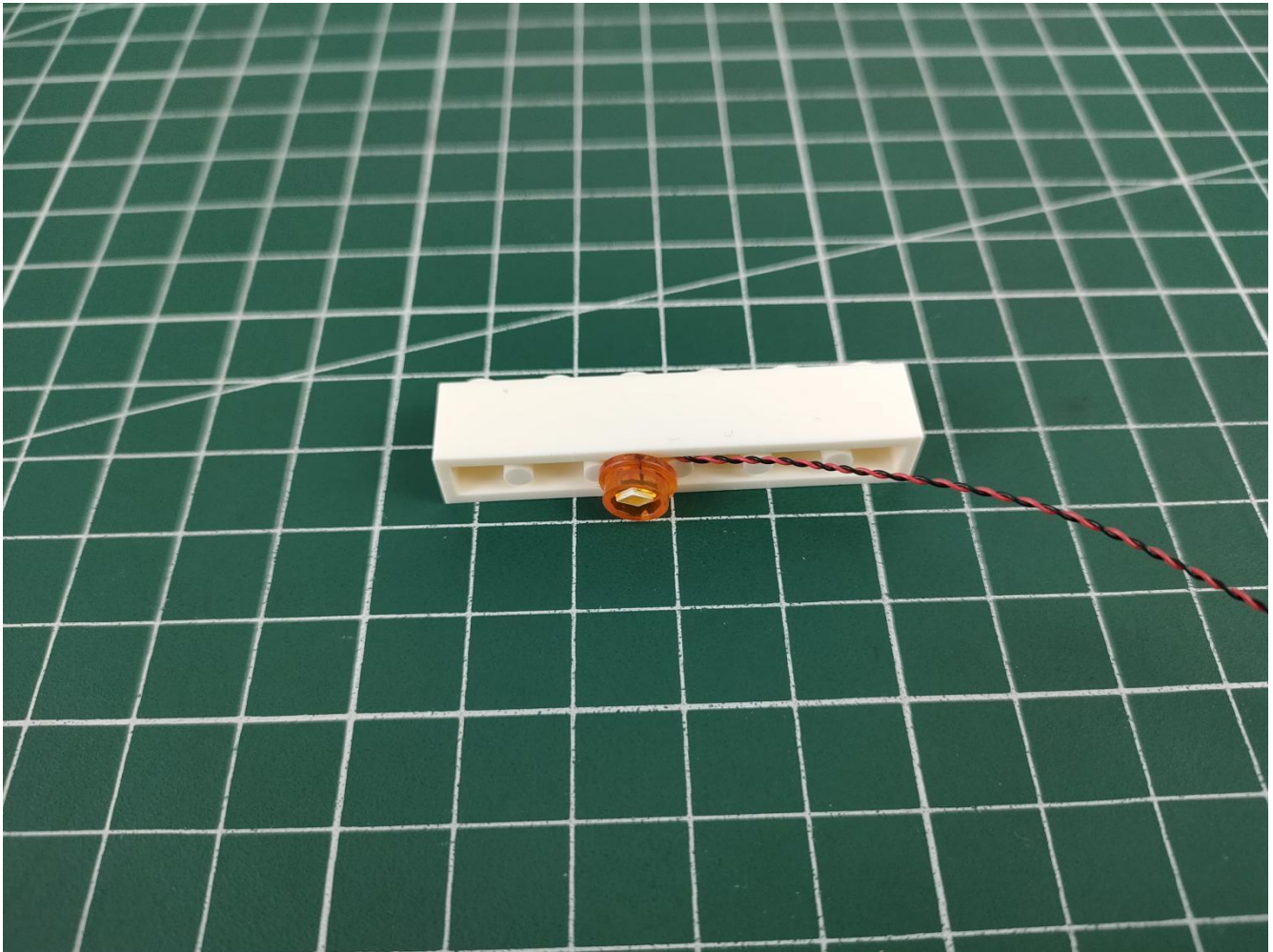
The small orange round plate has no cuts.



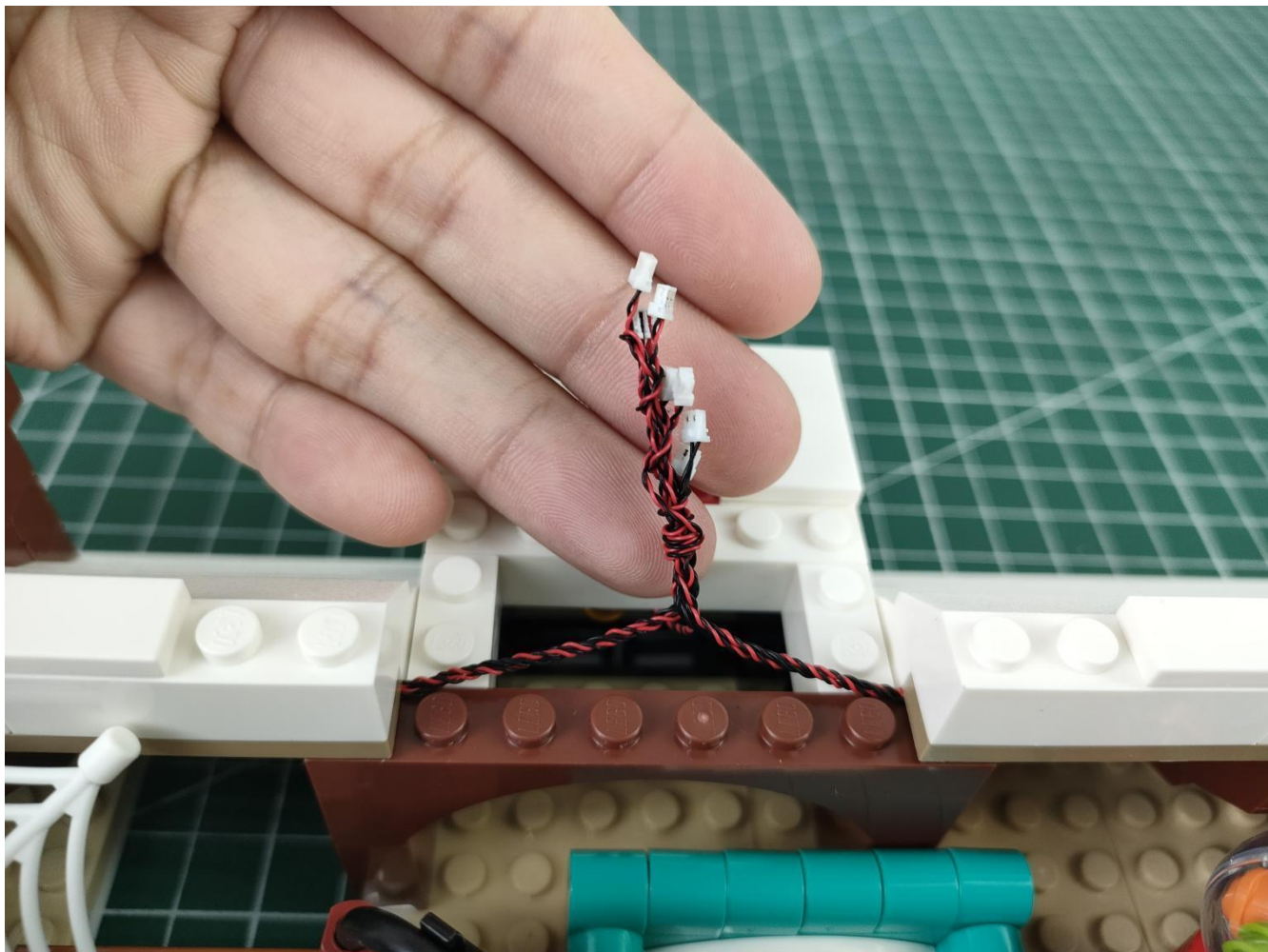






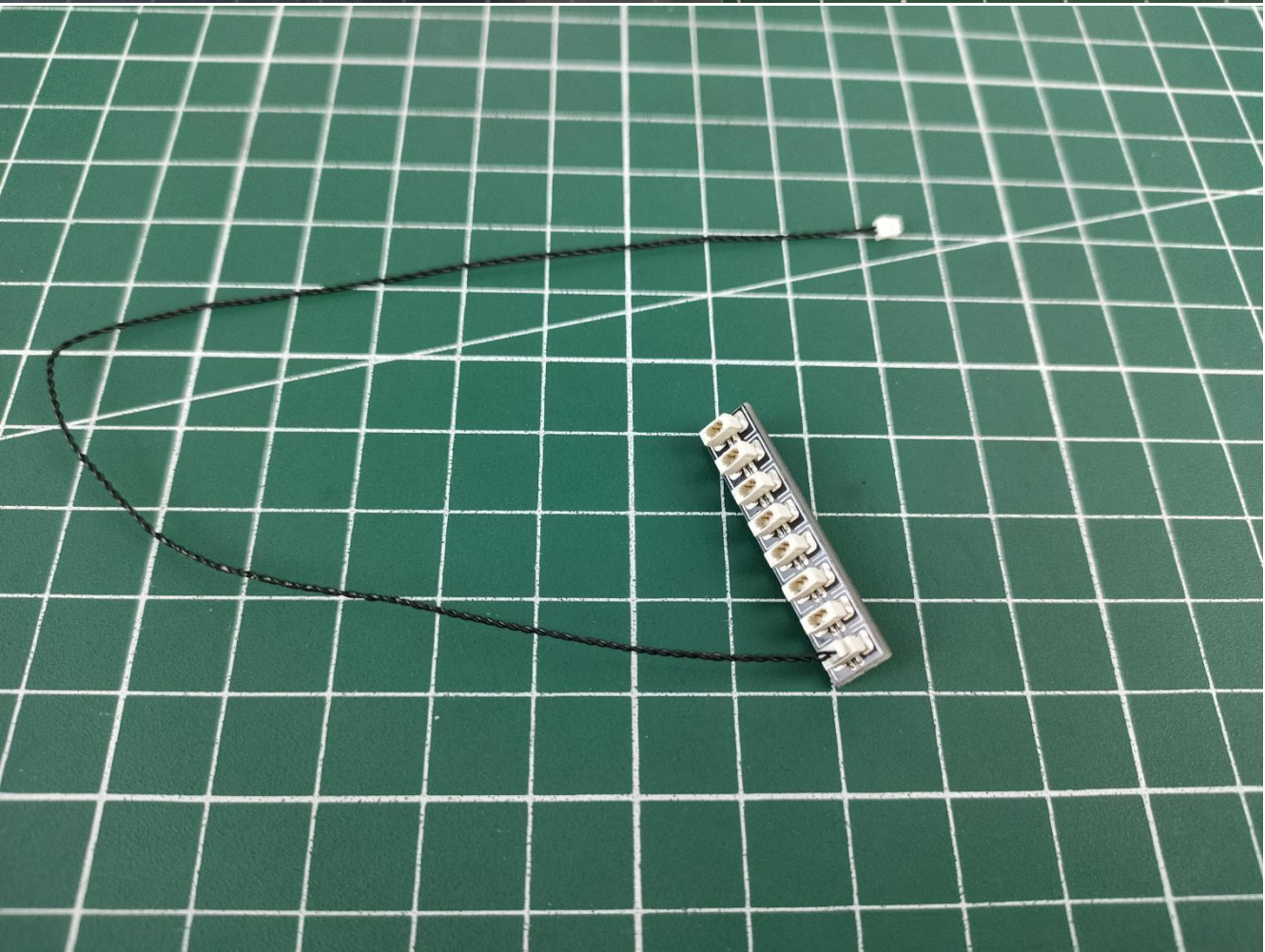




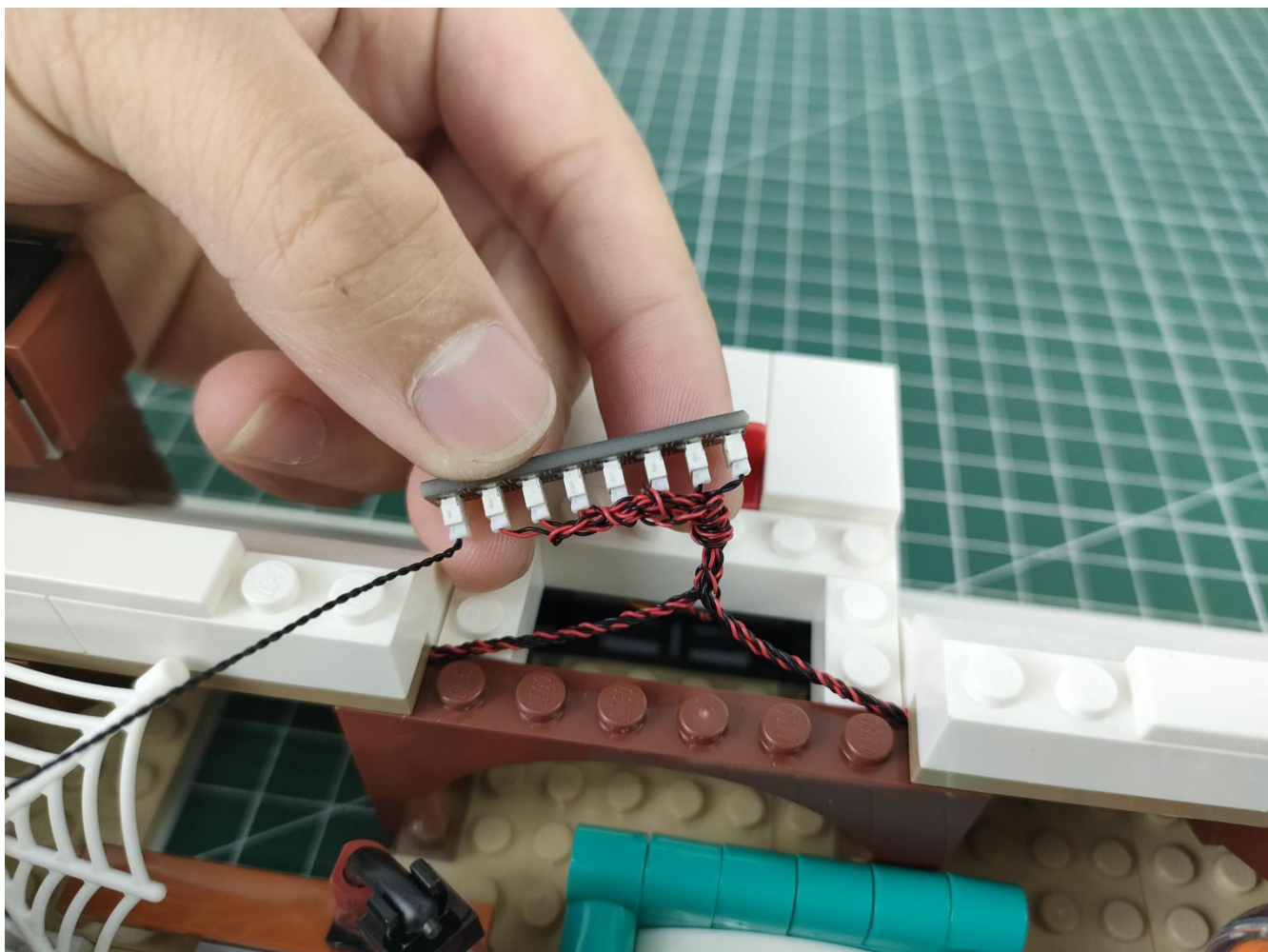




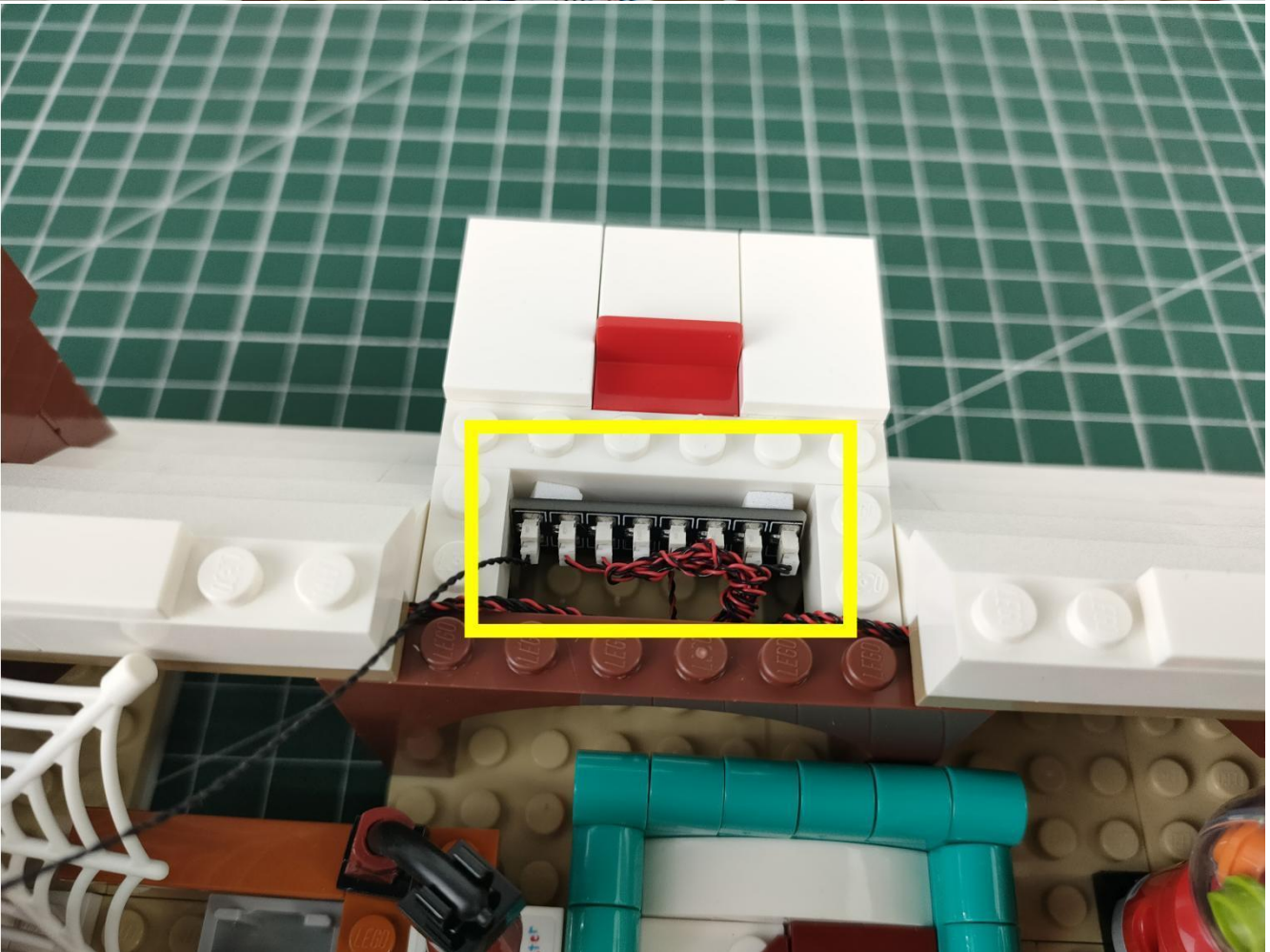
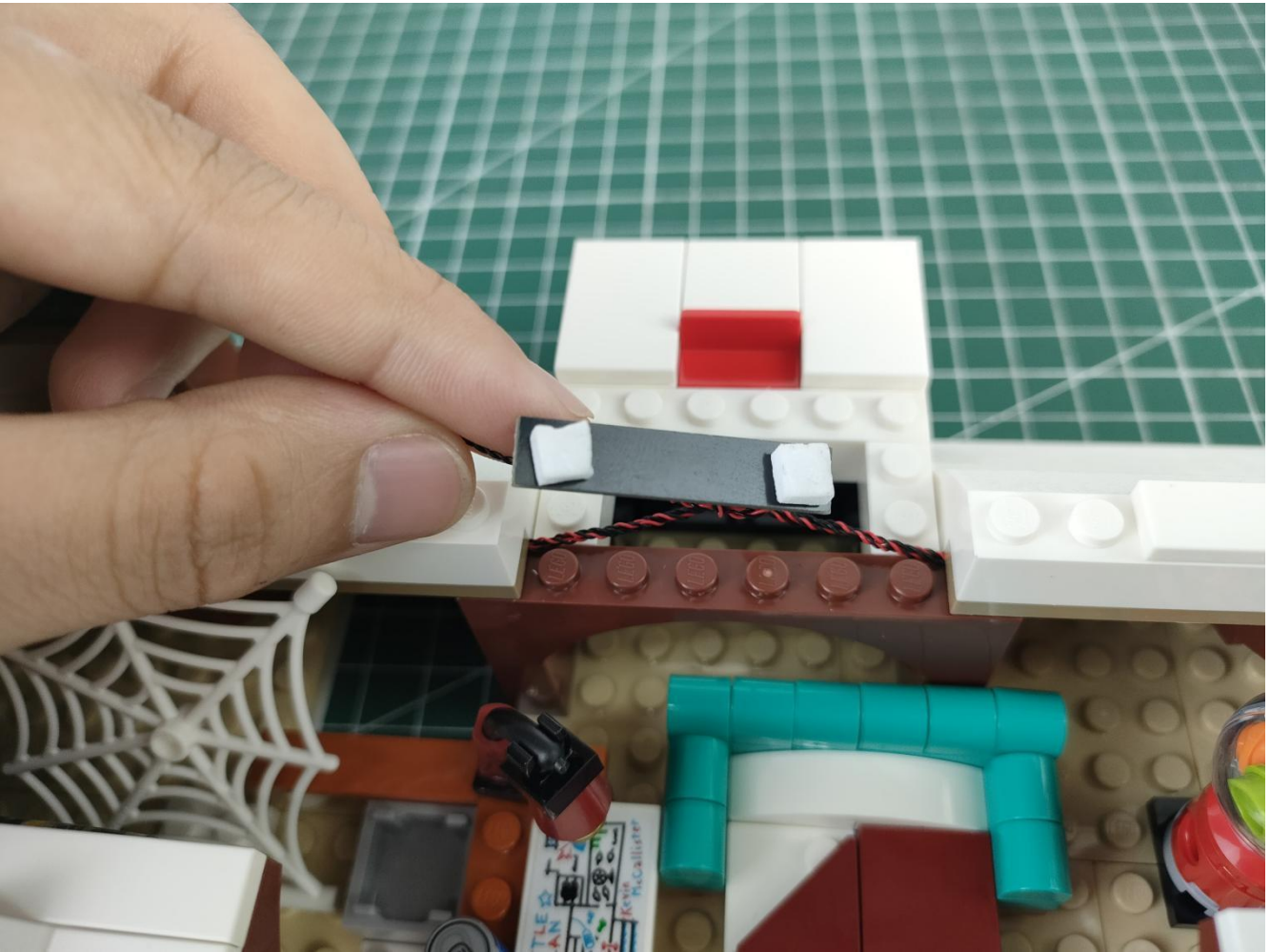
連接線 20CM  
Connecting Cables  
20CM



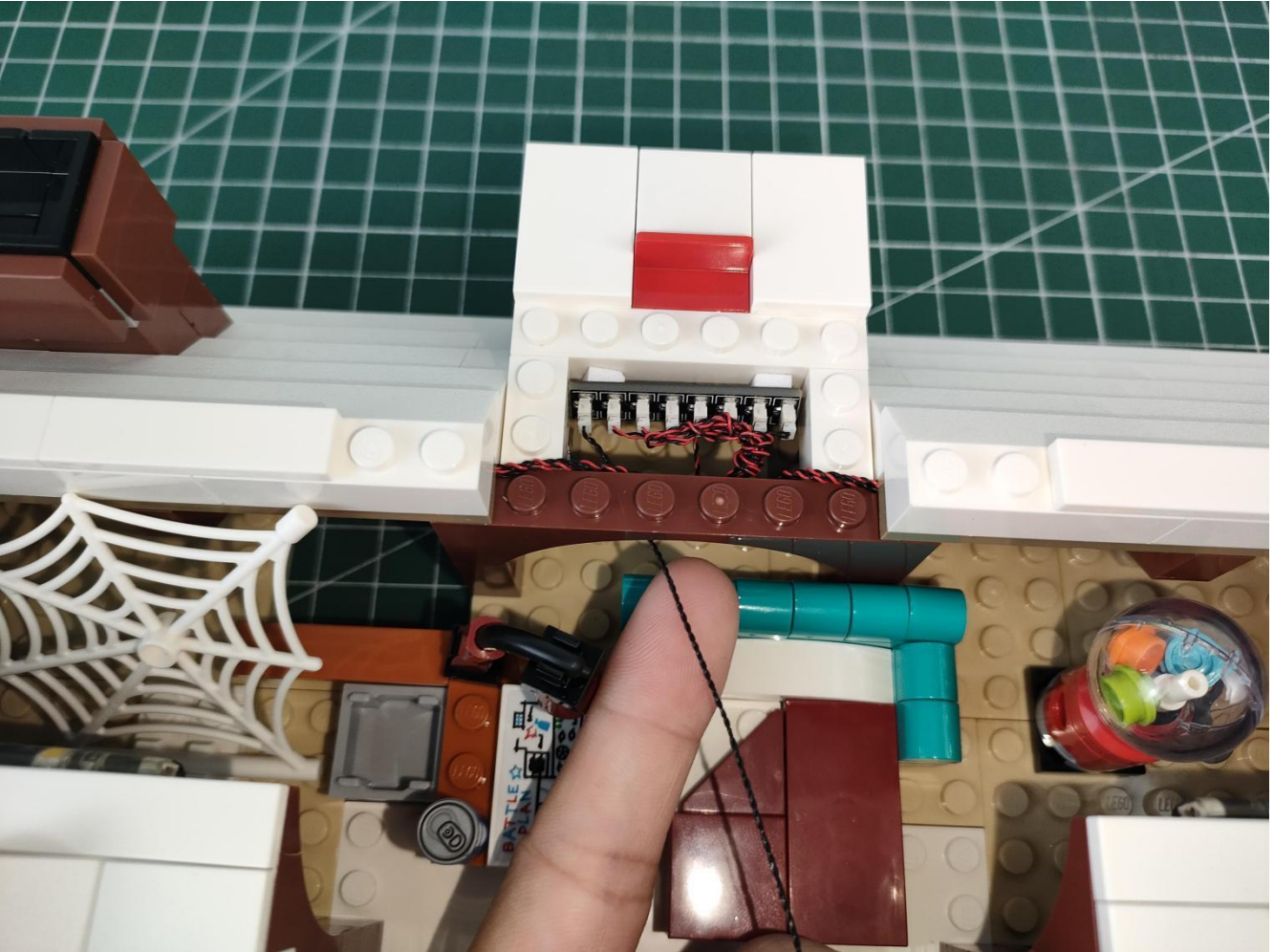
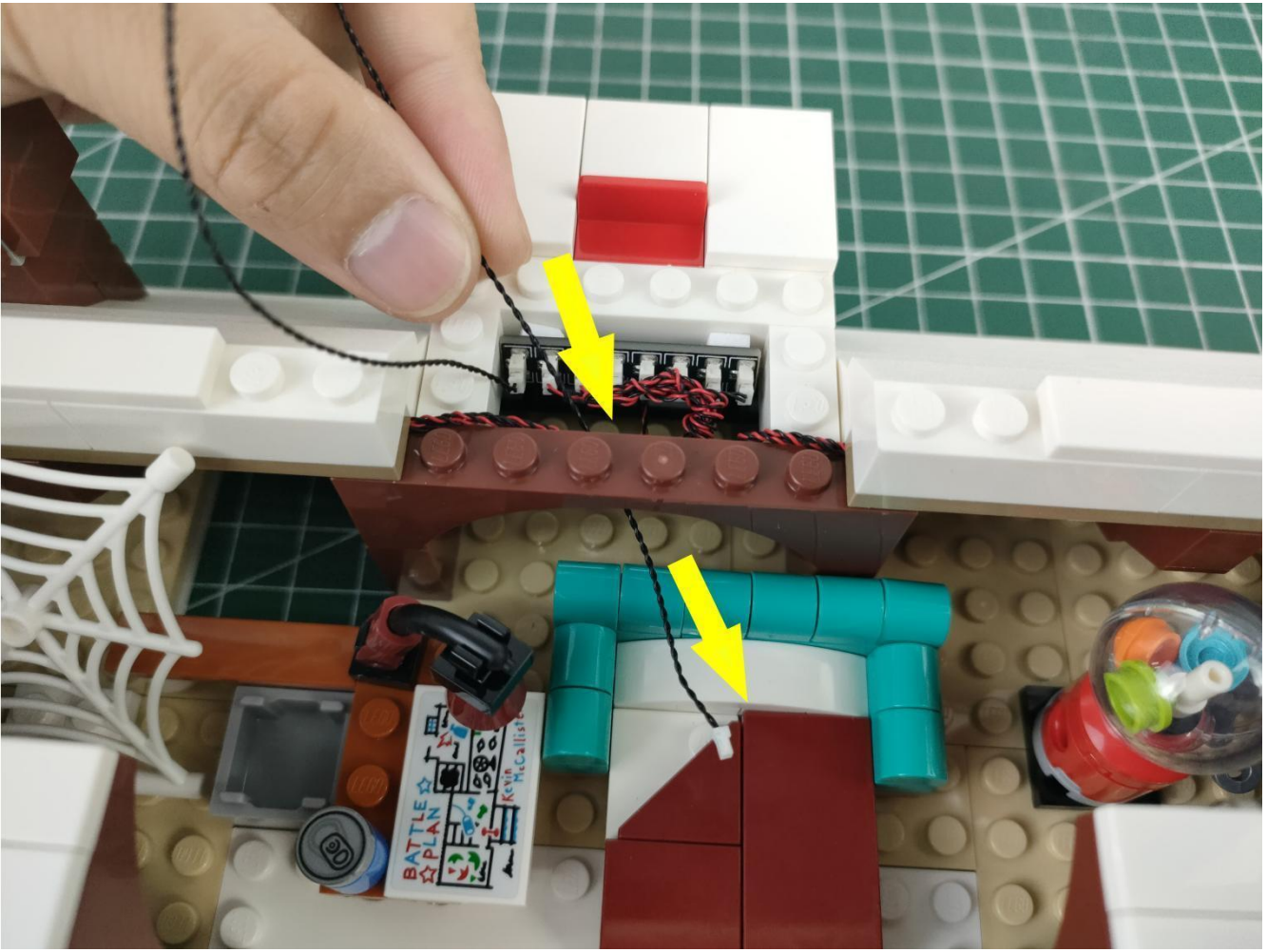










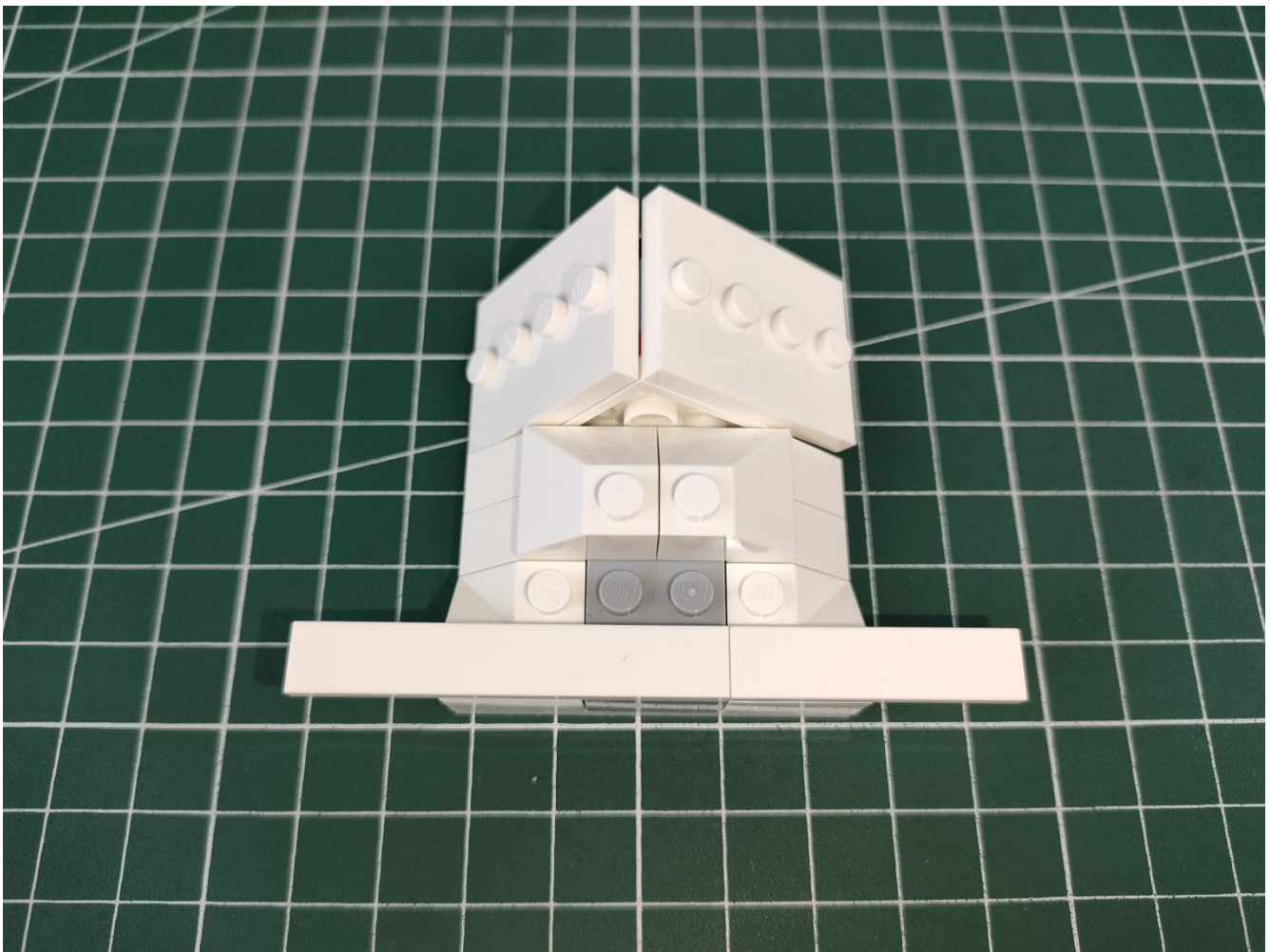




The black connecting wire is pulled down.



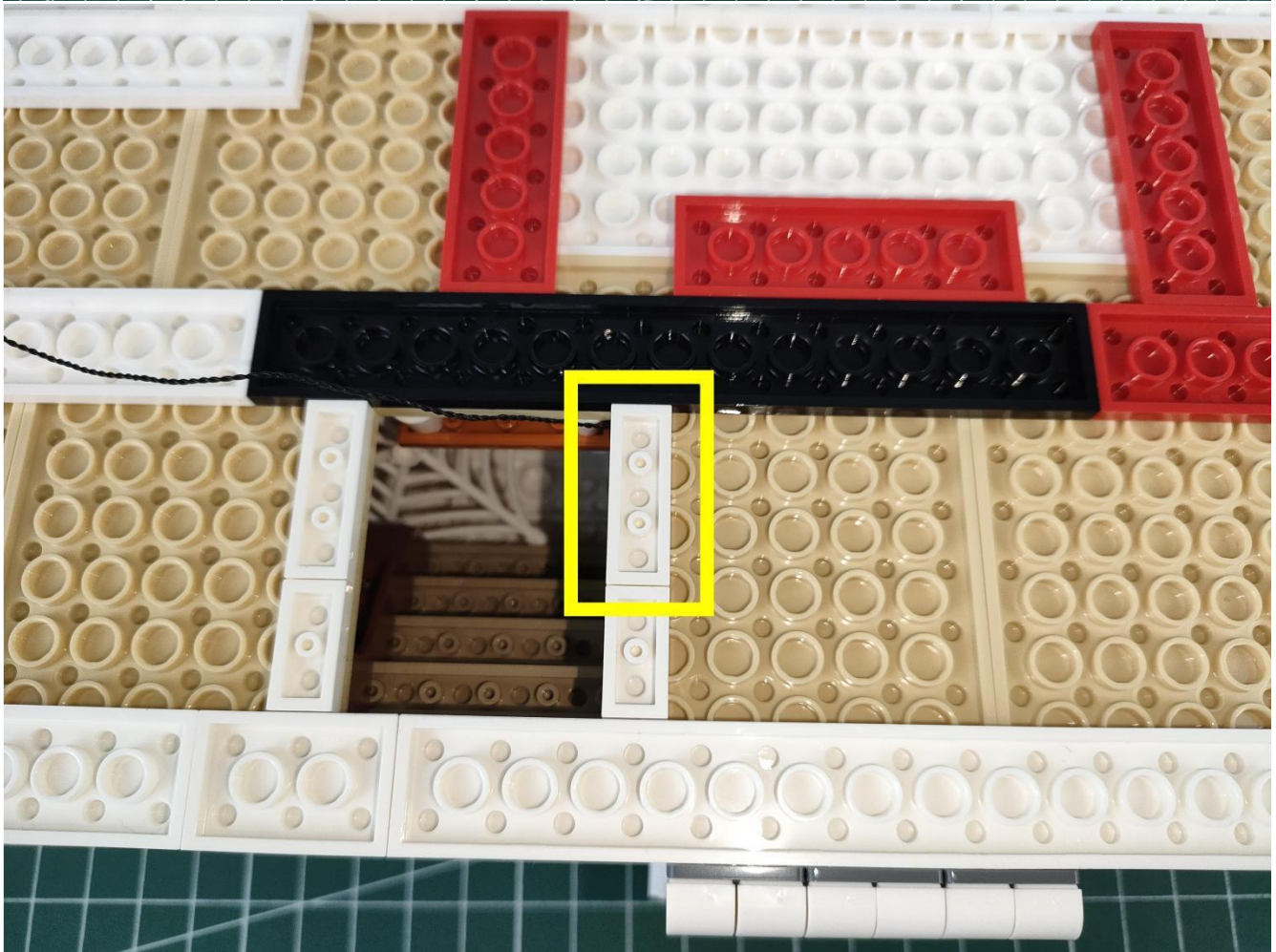
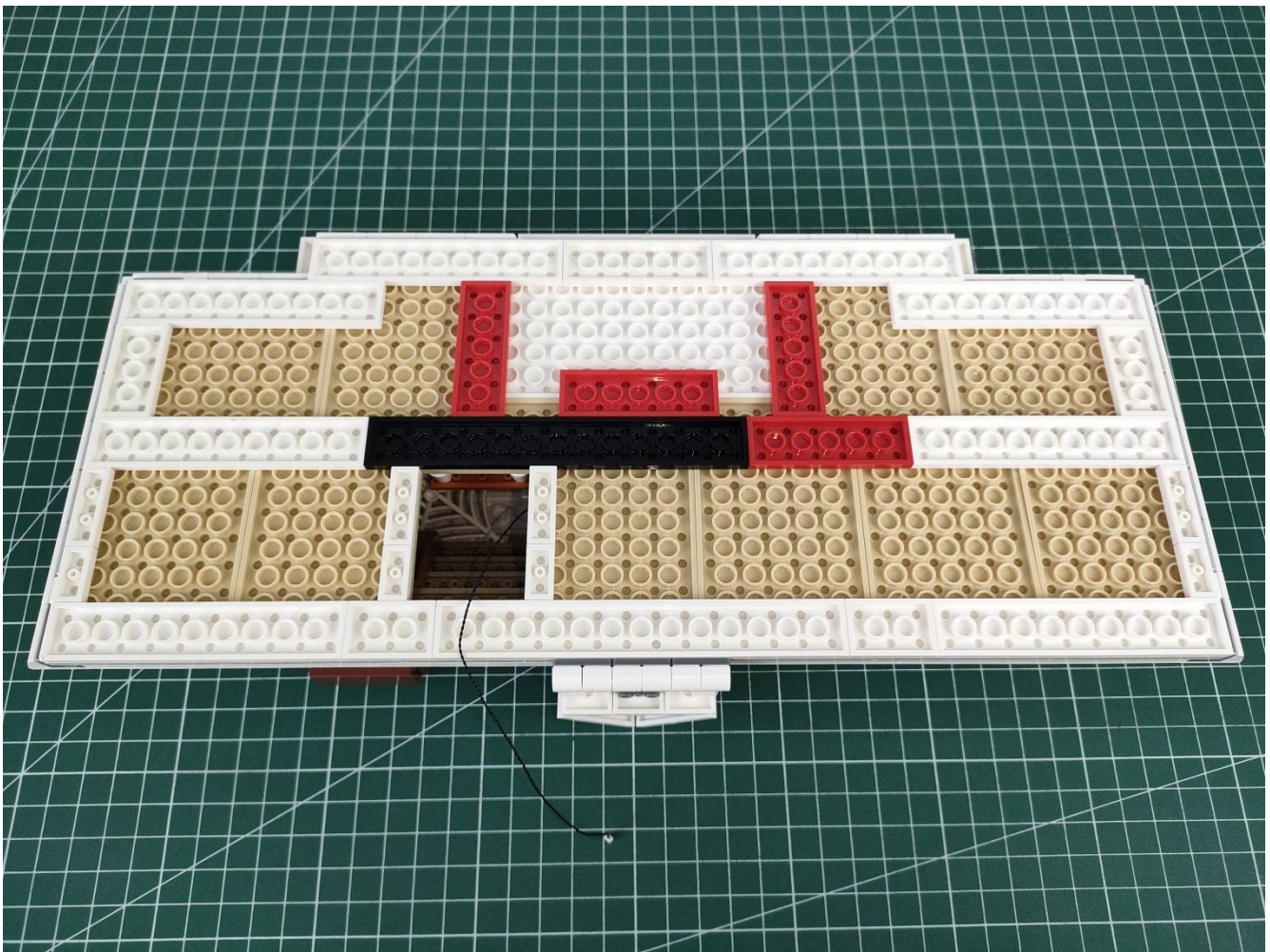




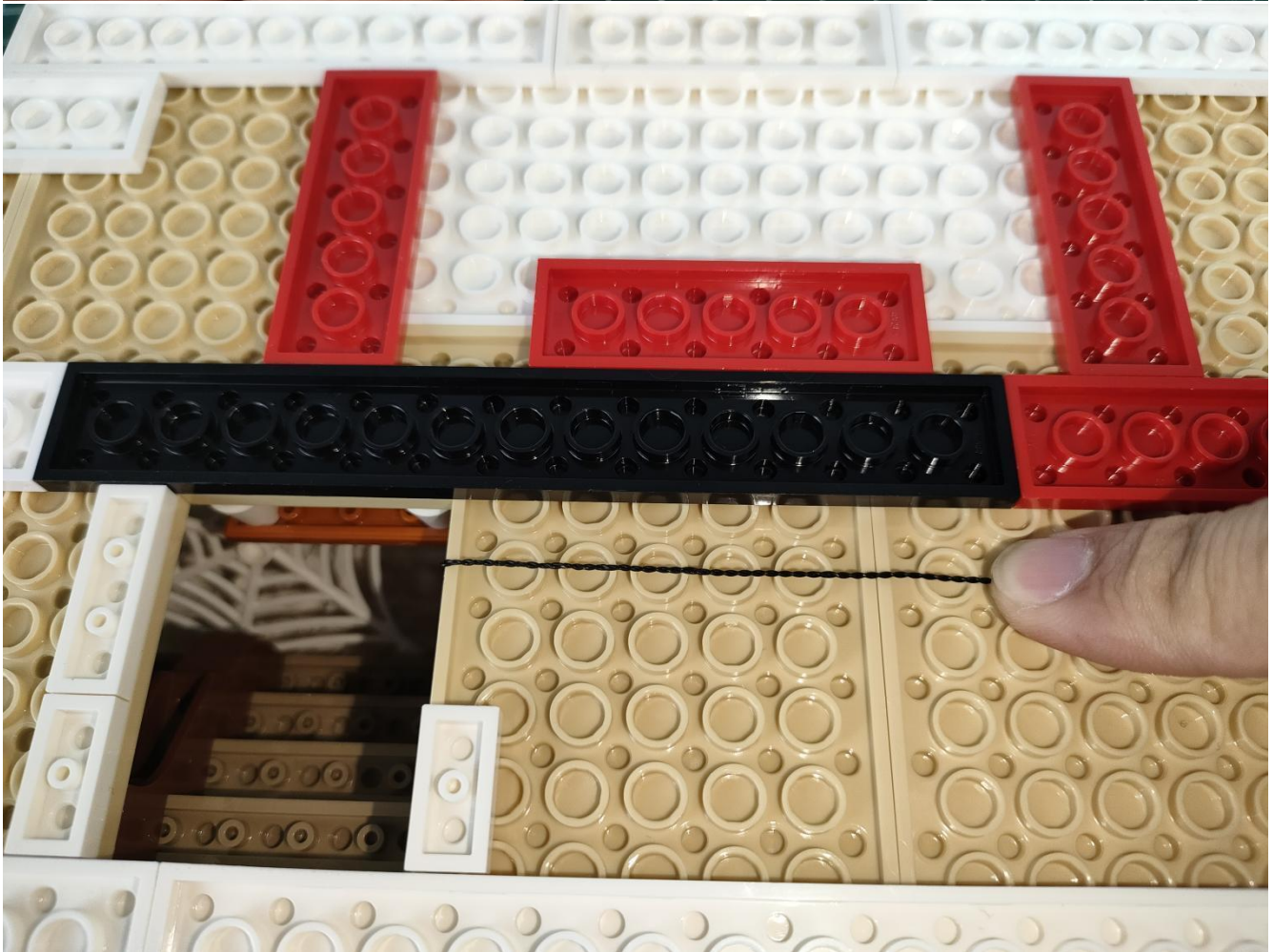
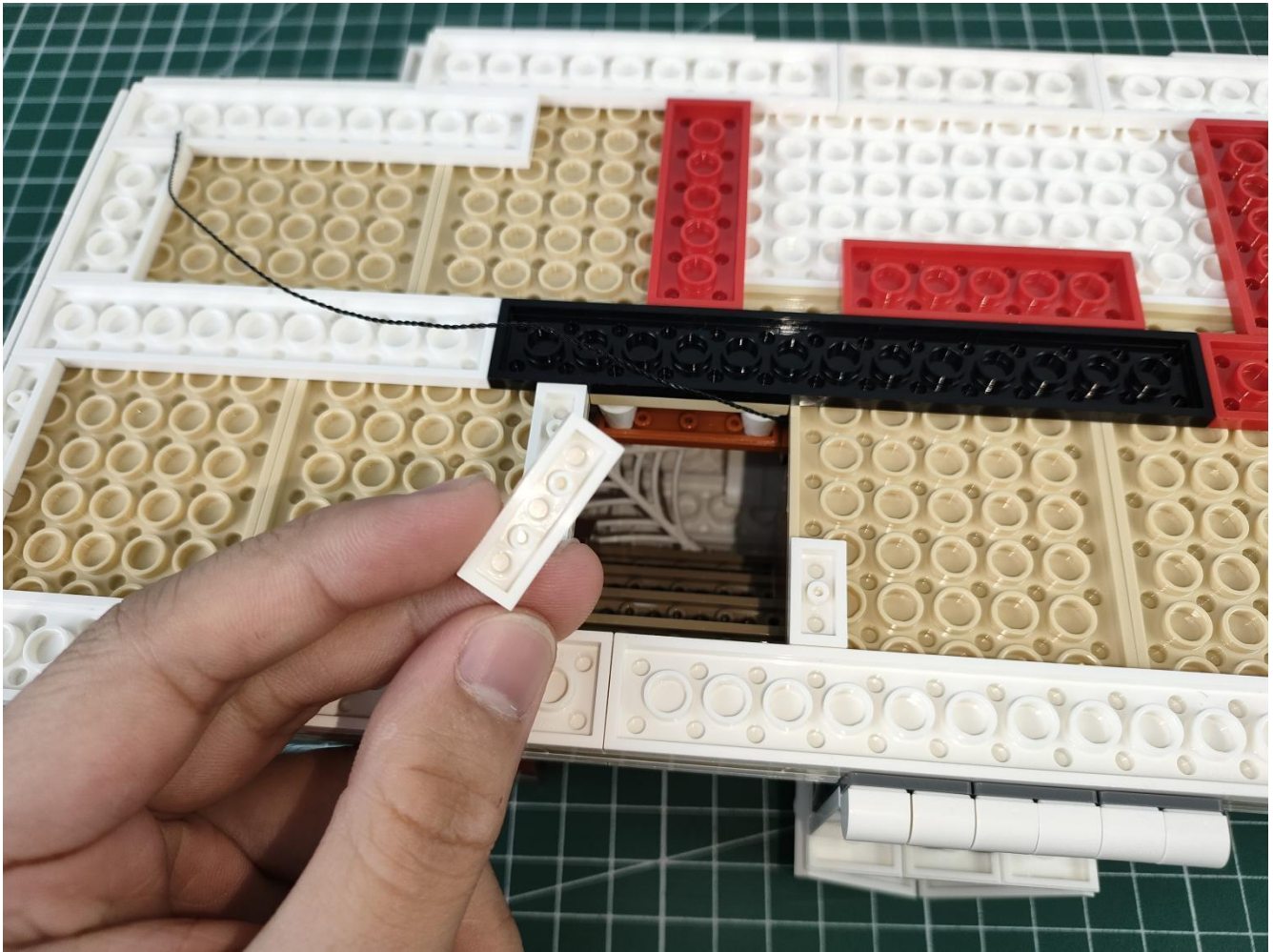




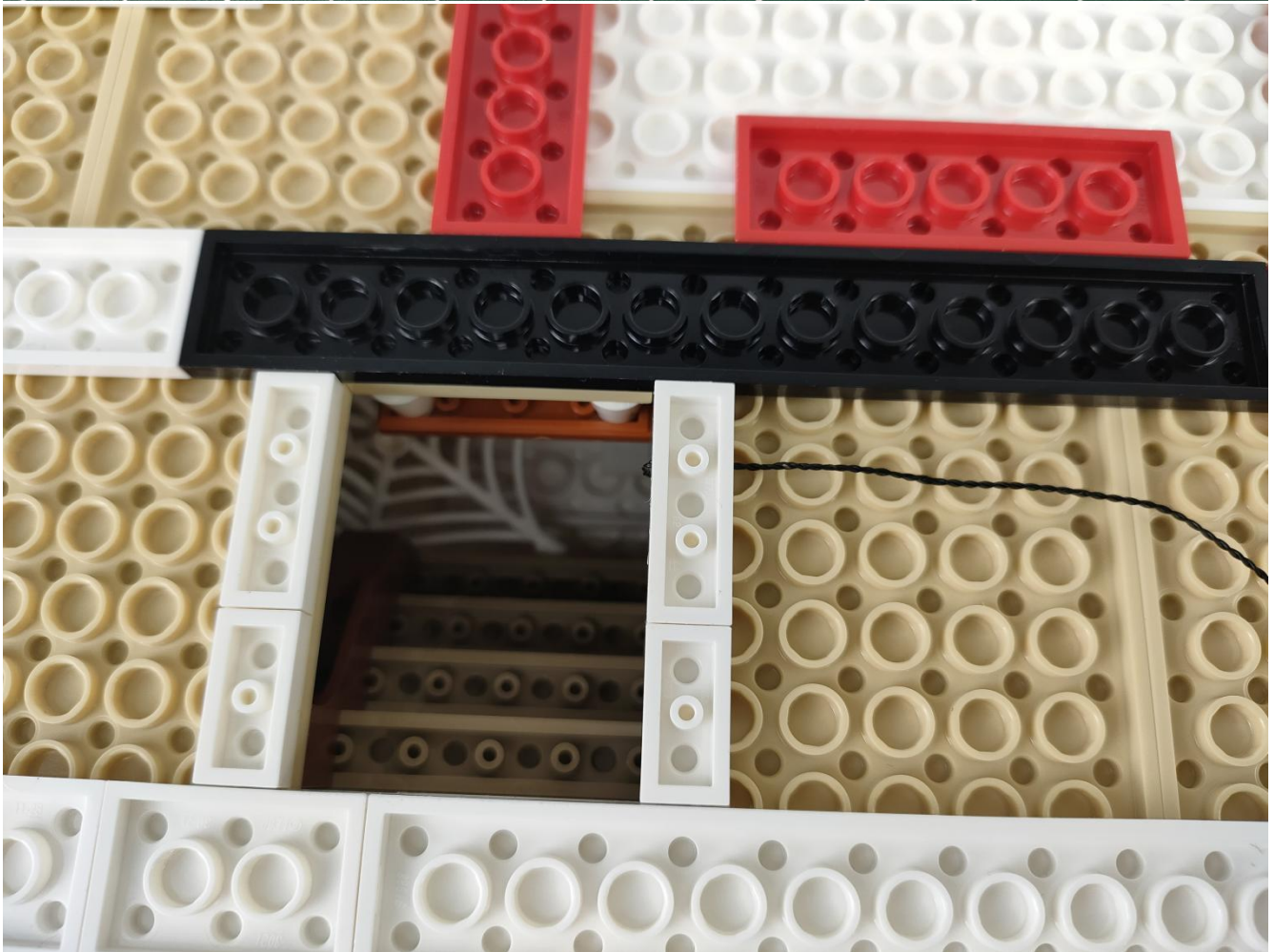




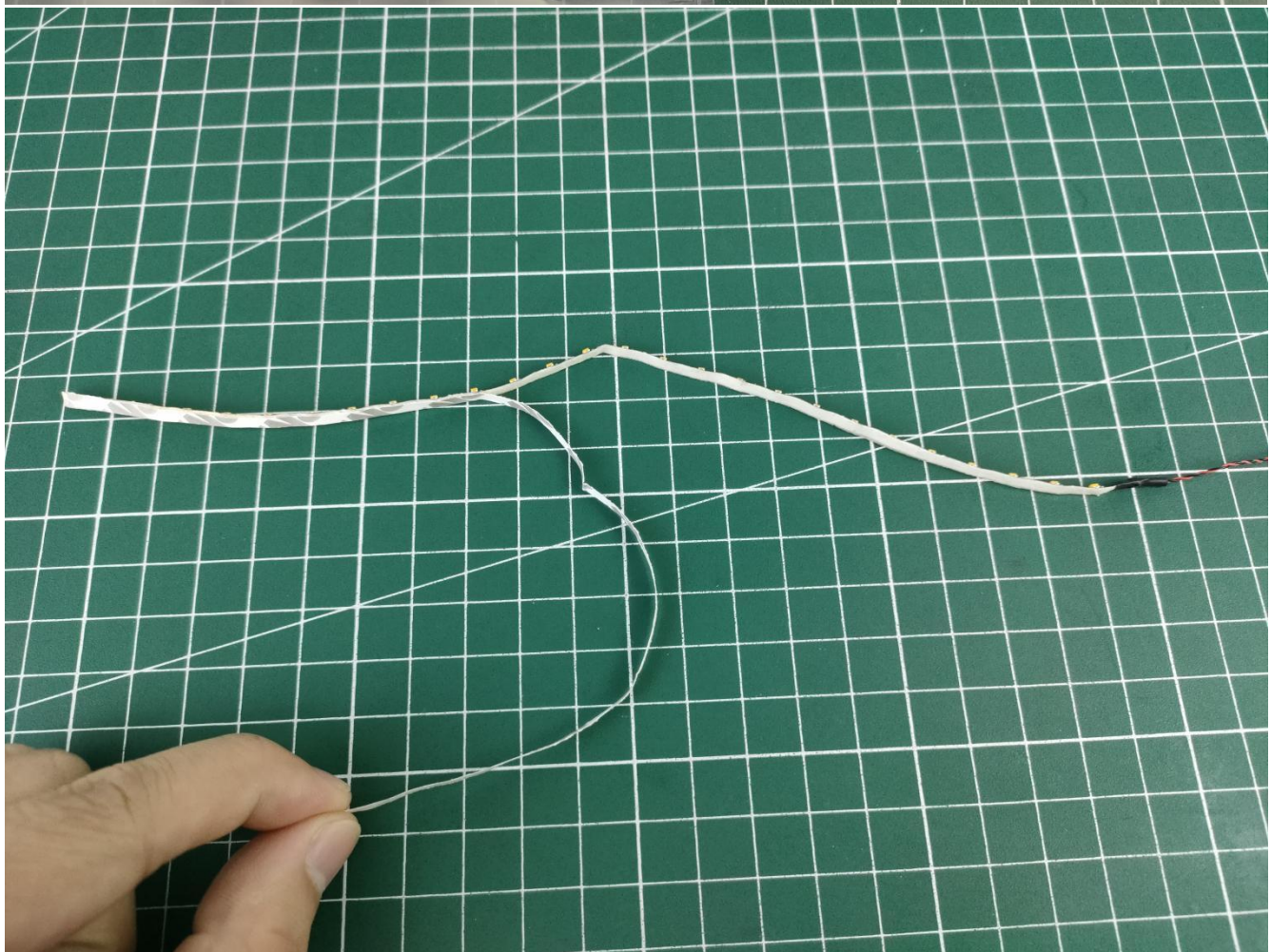




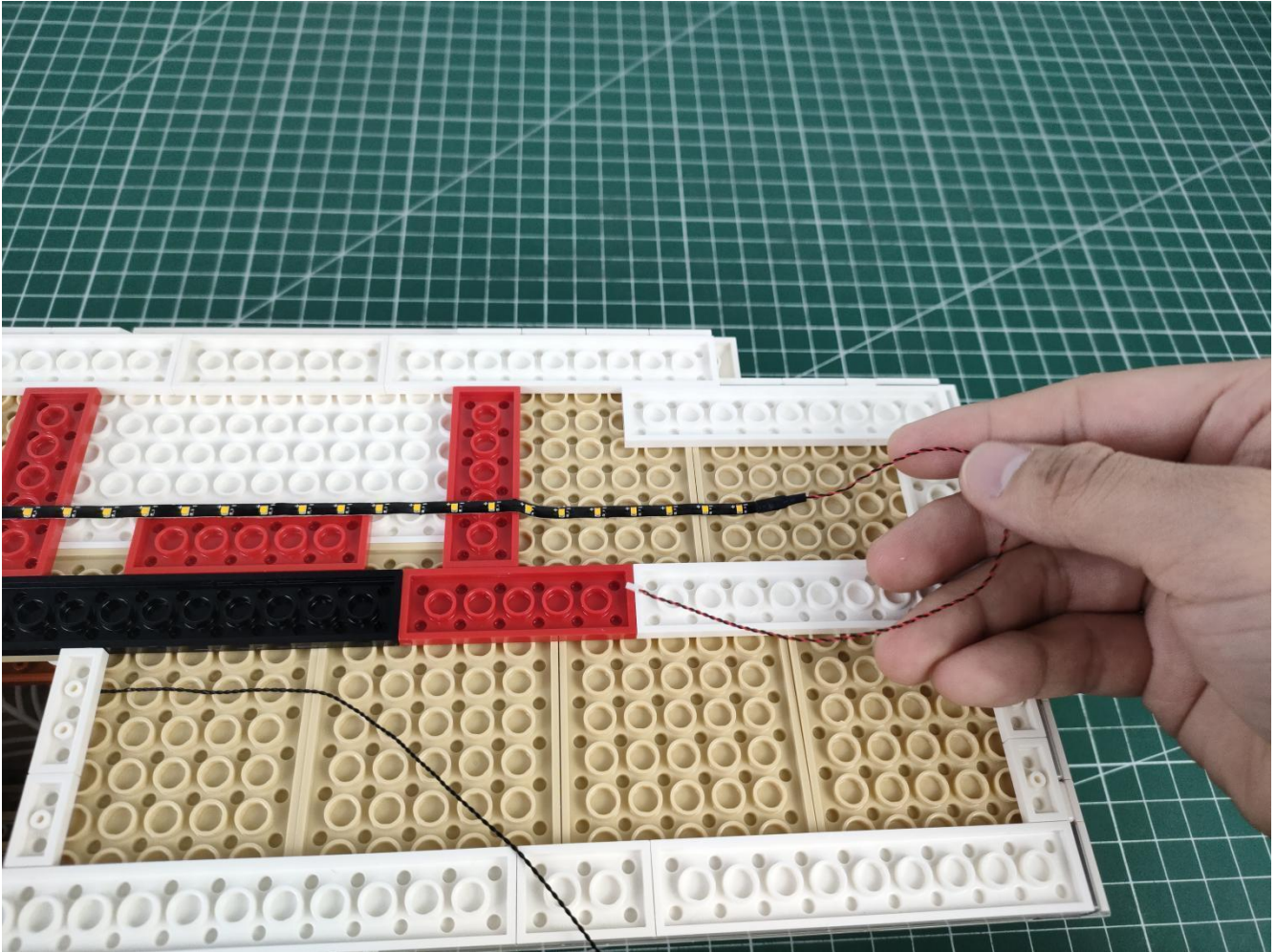
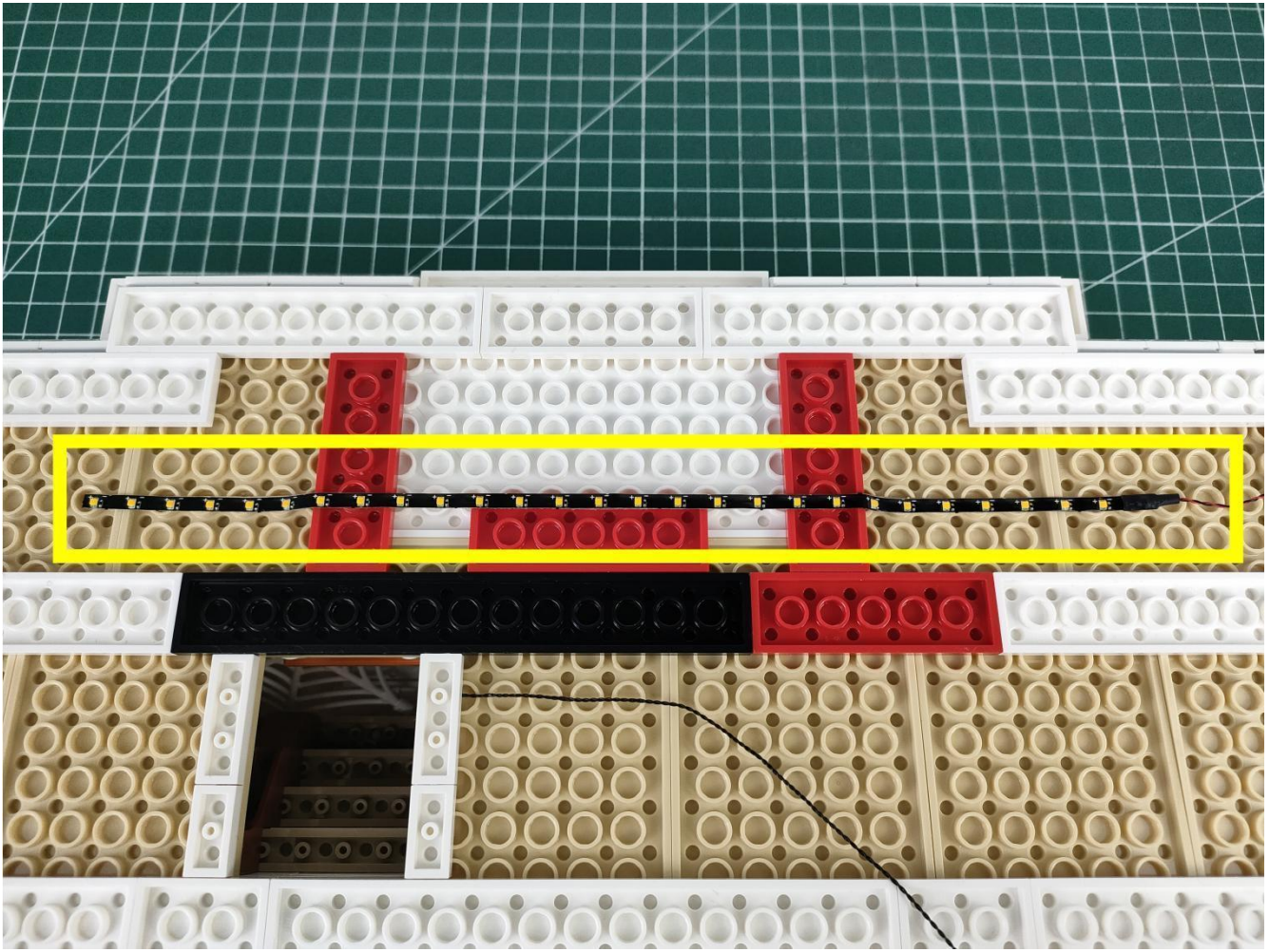




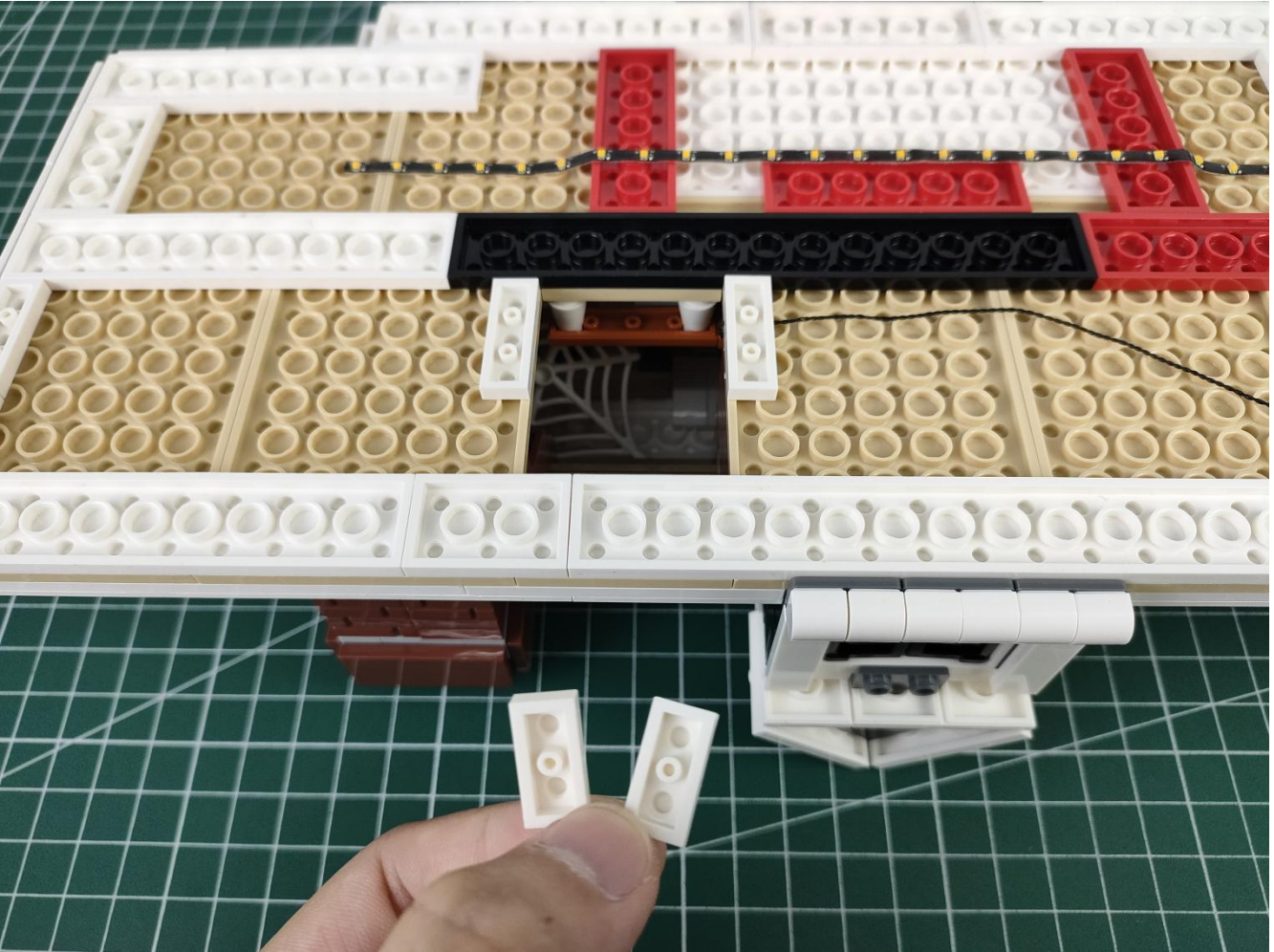
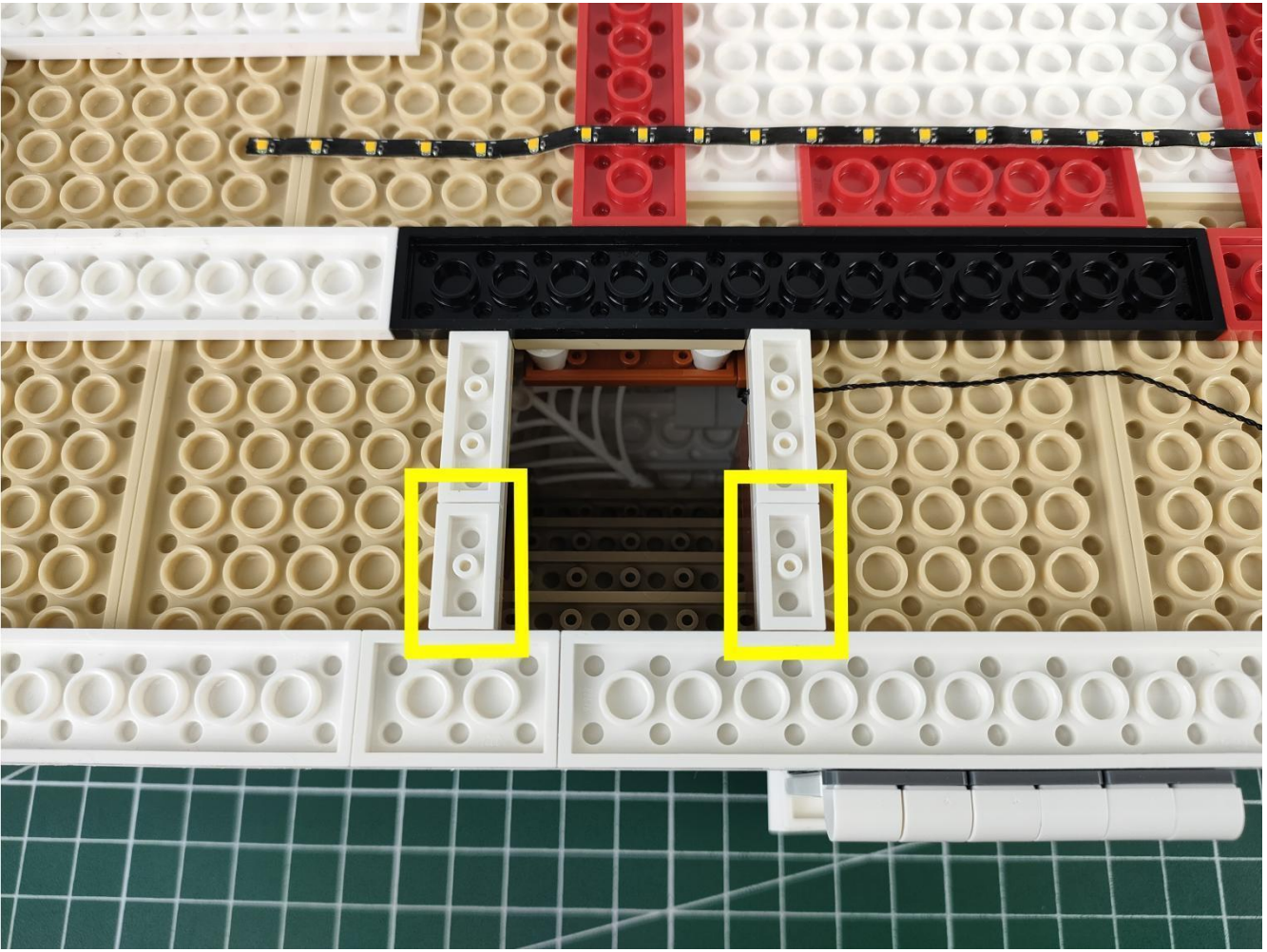




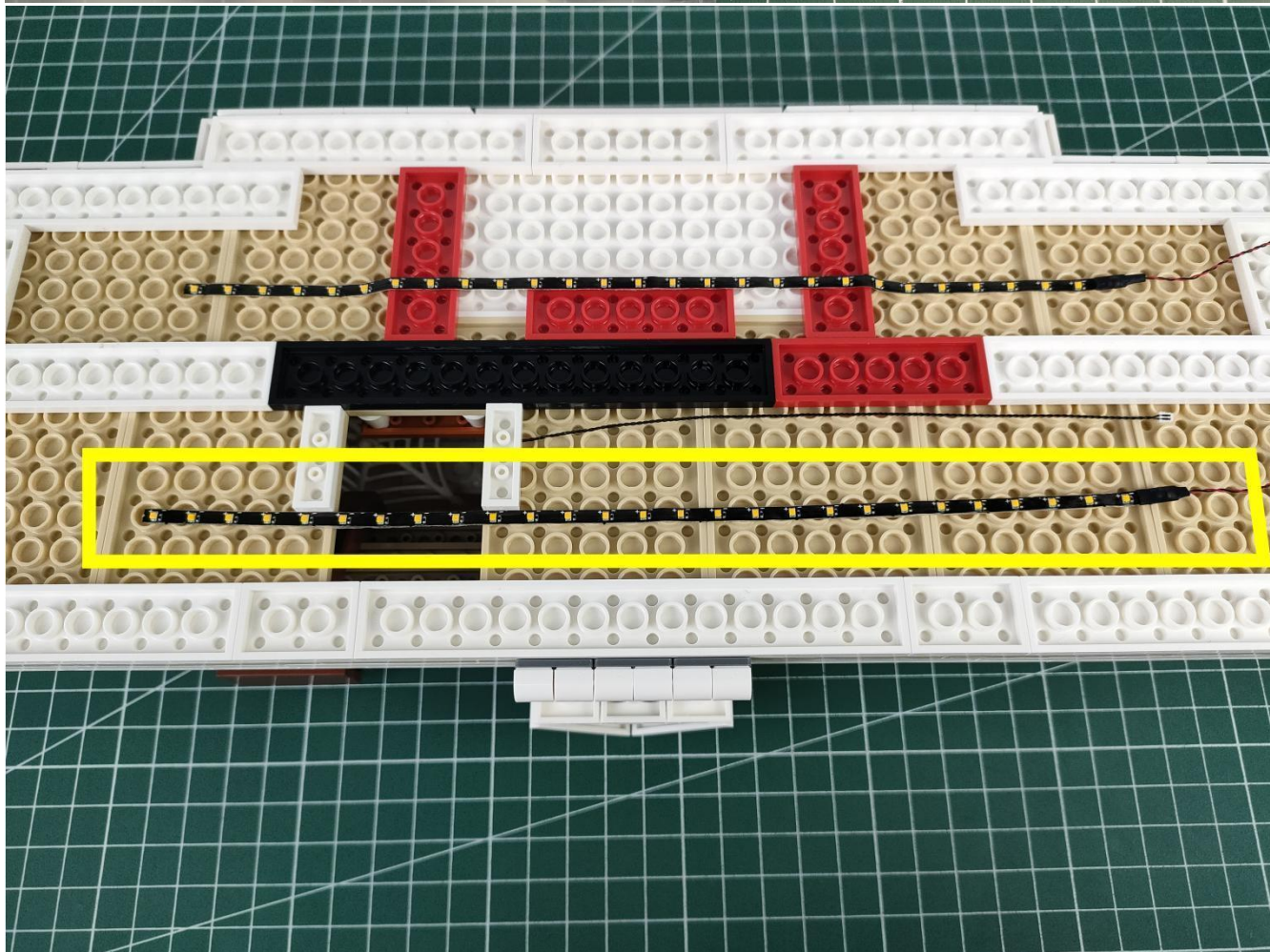




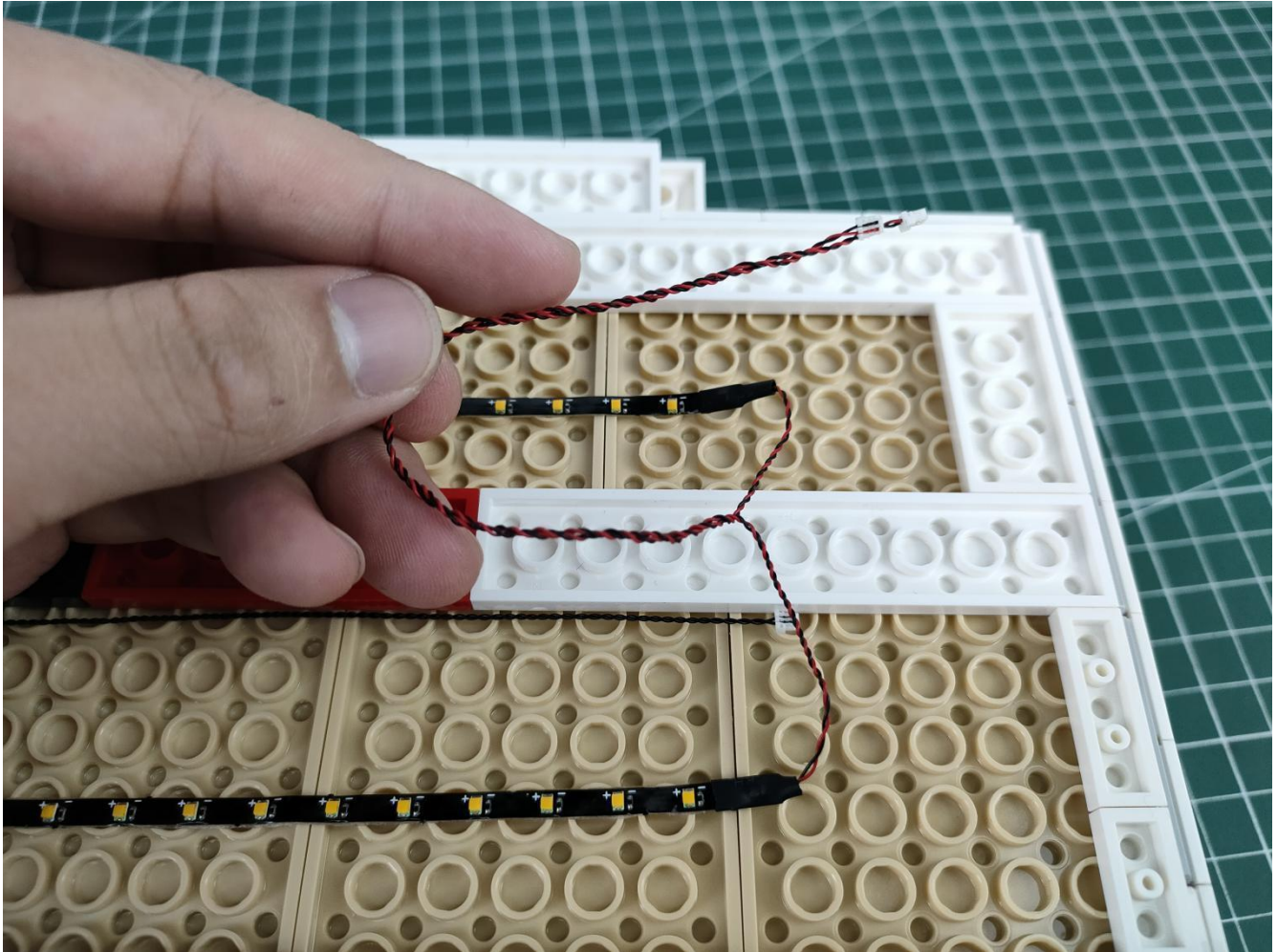
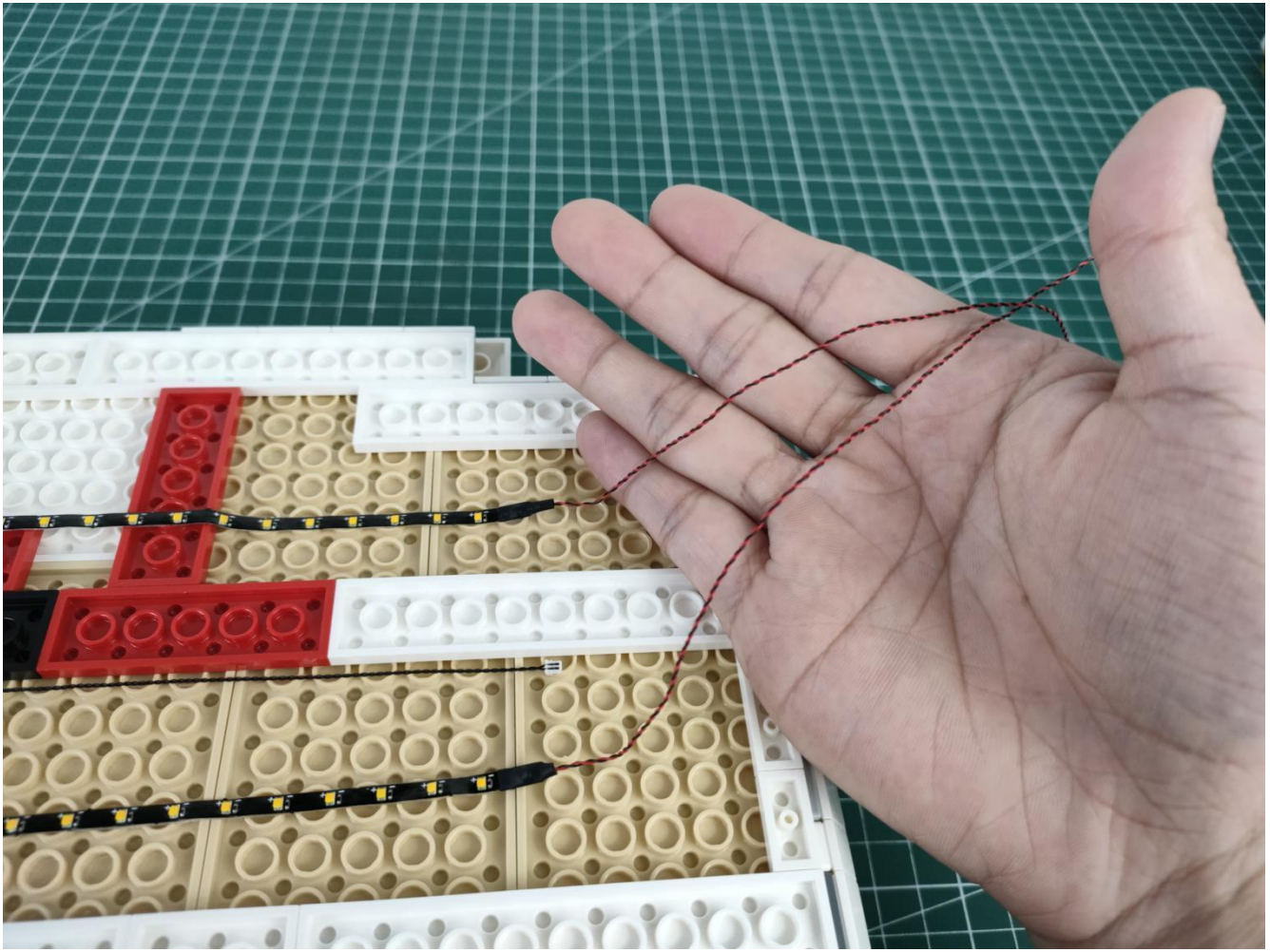








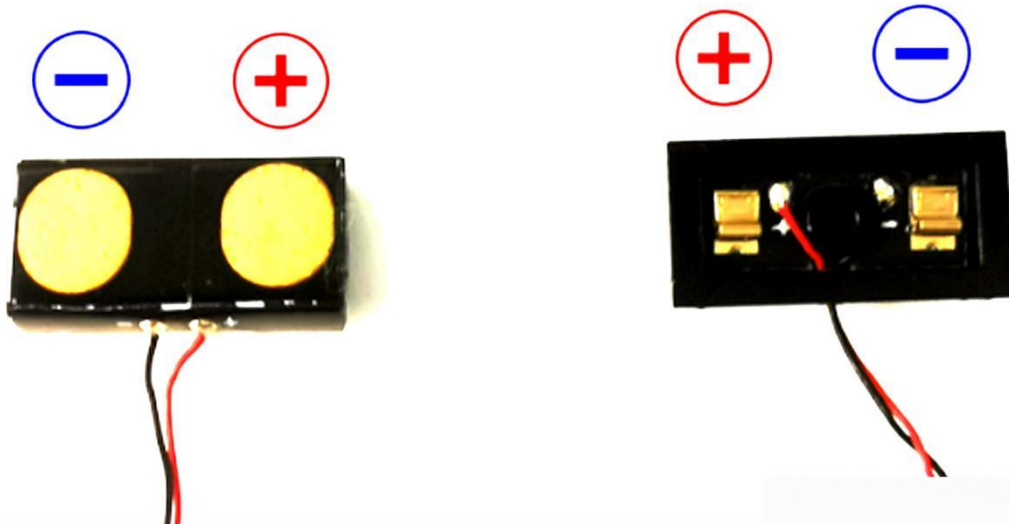








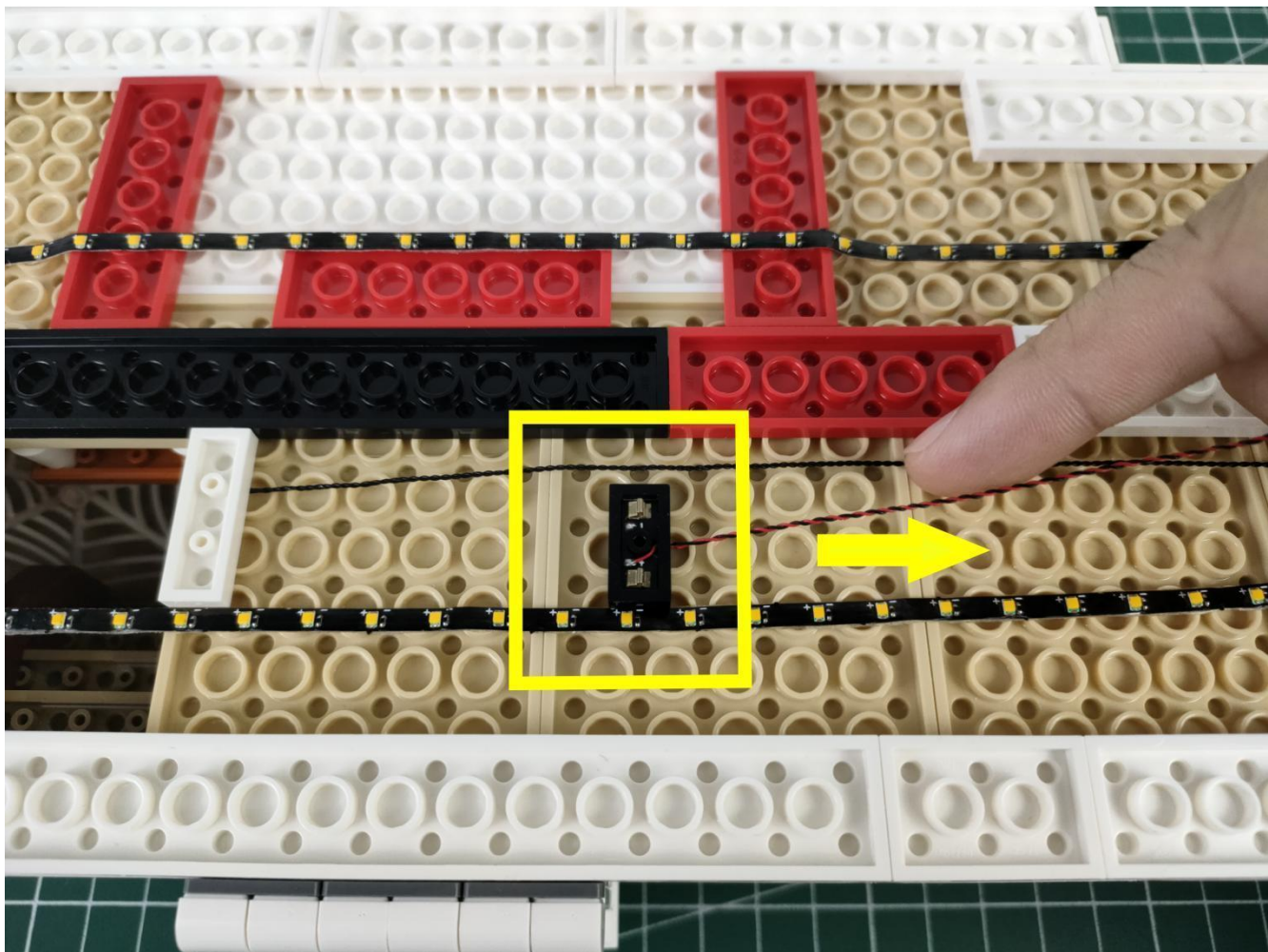
## Wireless Power Connectors



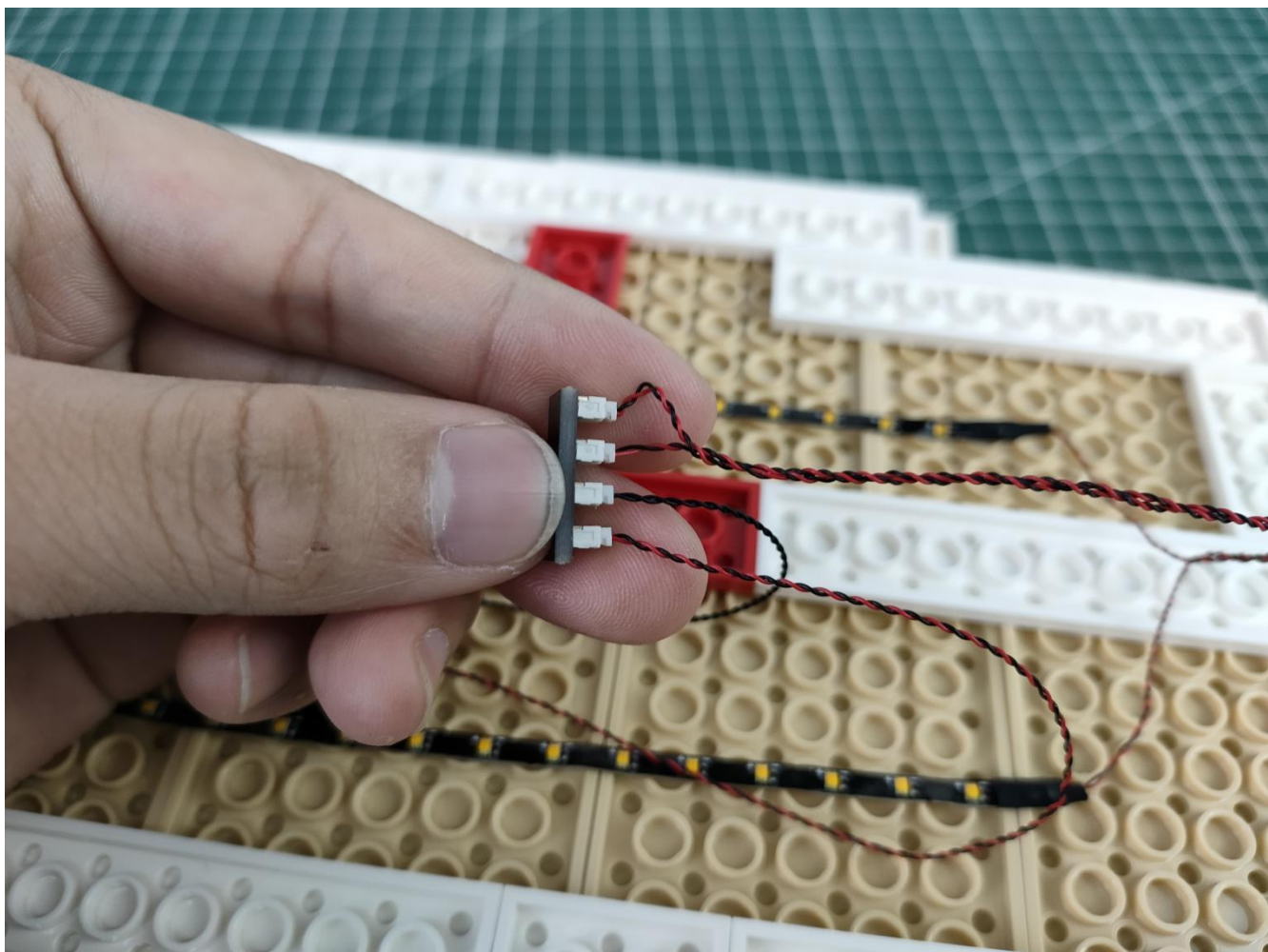
1. Wireless Power Connectors are divided into two parts.
2. The two parts need to be combined when connecting,  
The positive pole is connected to the positive pole,  
The negative pole is connected to the negative pole.



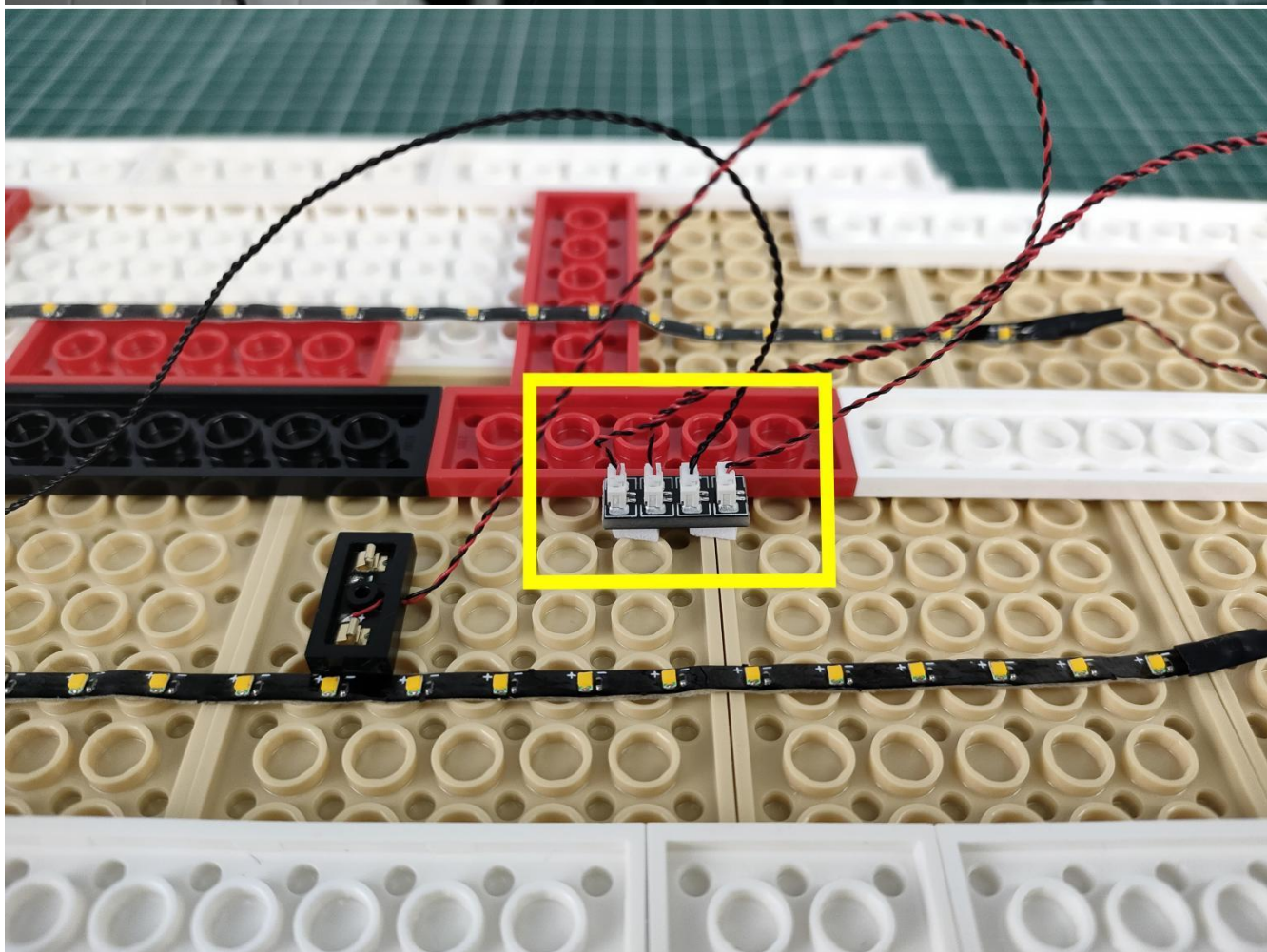
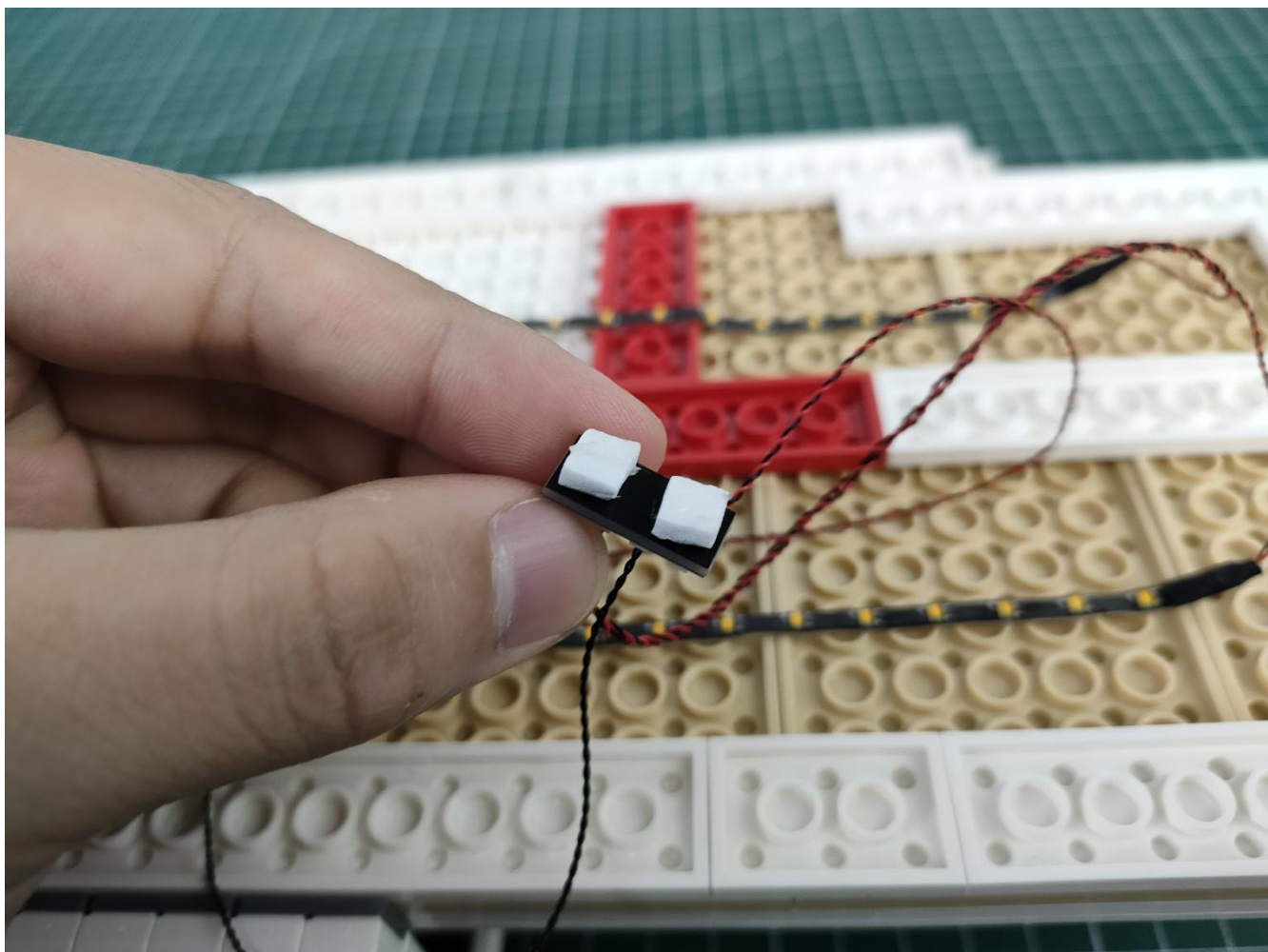




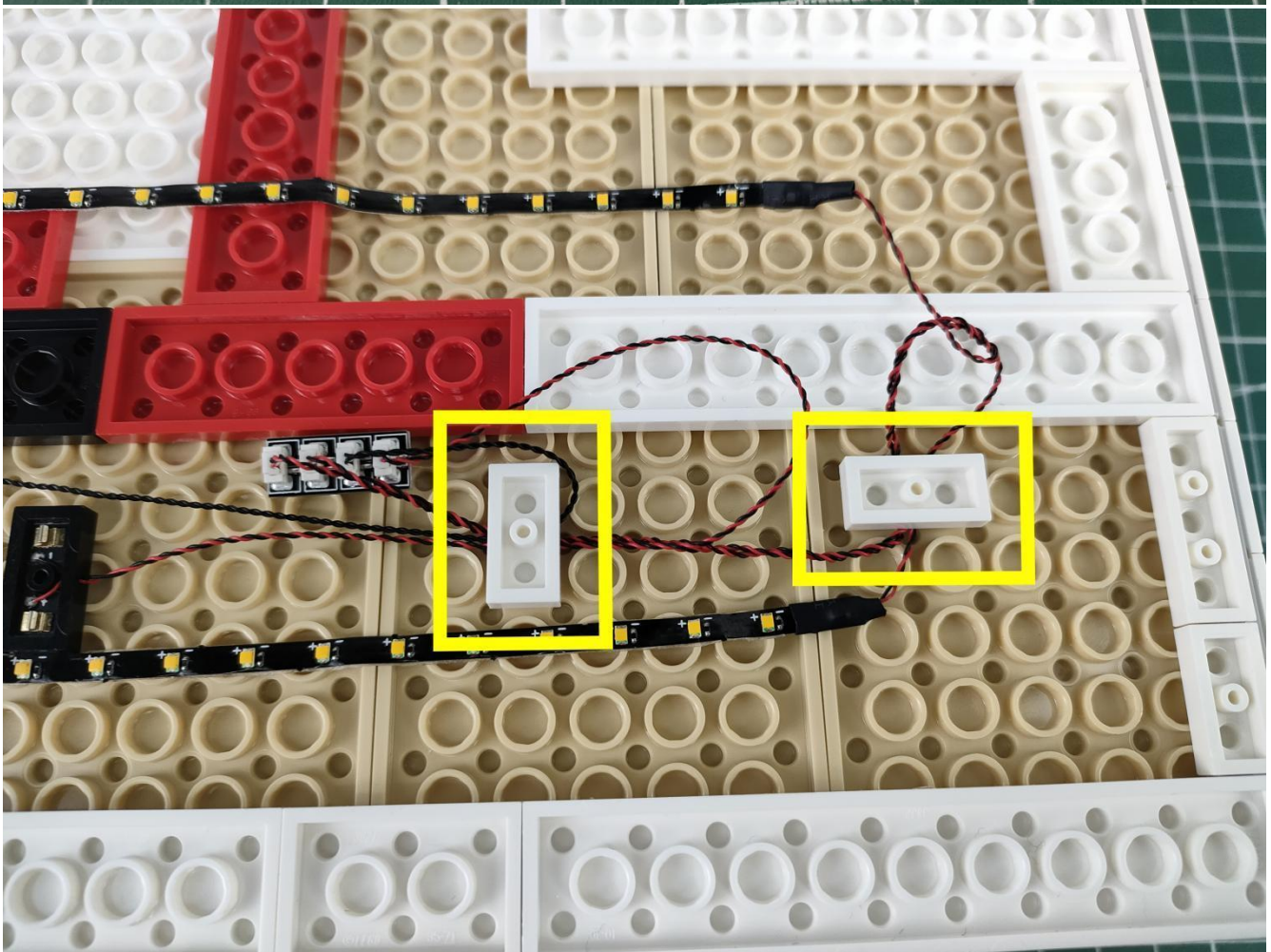
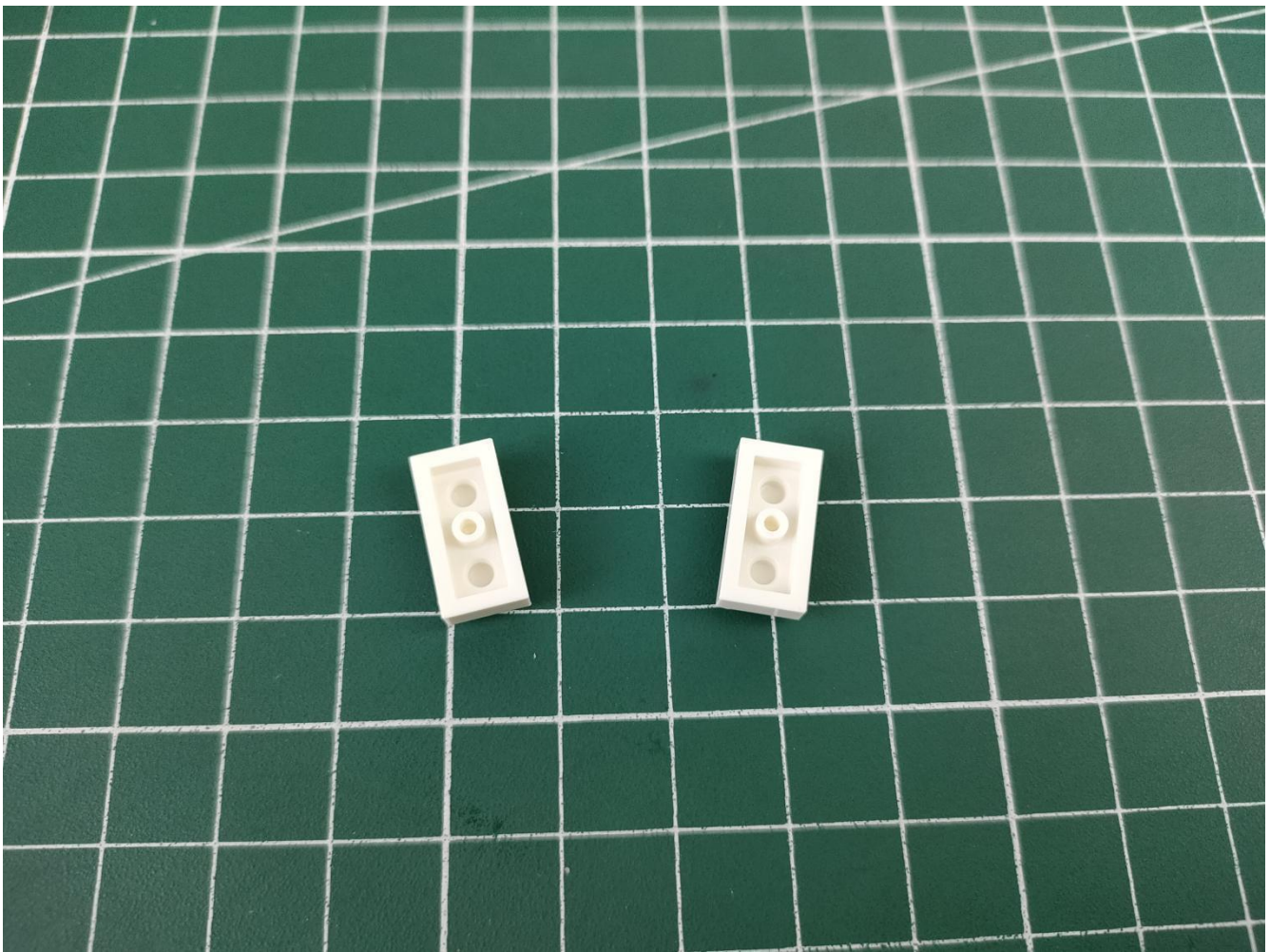














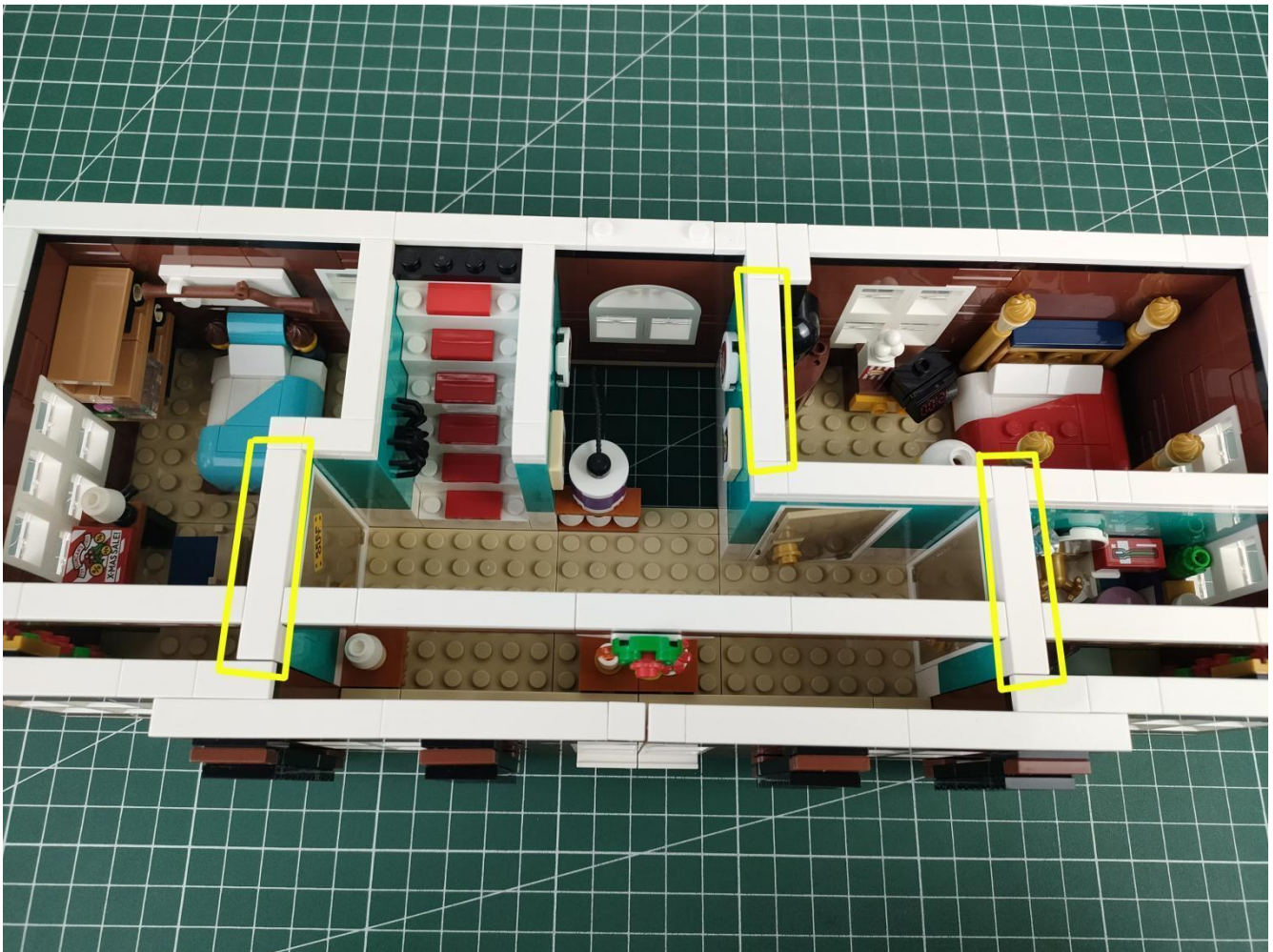




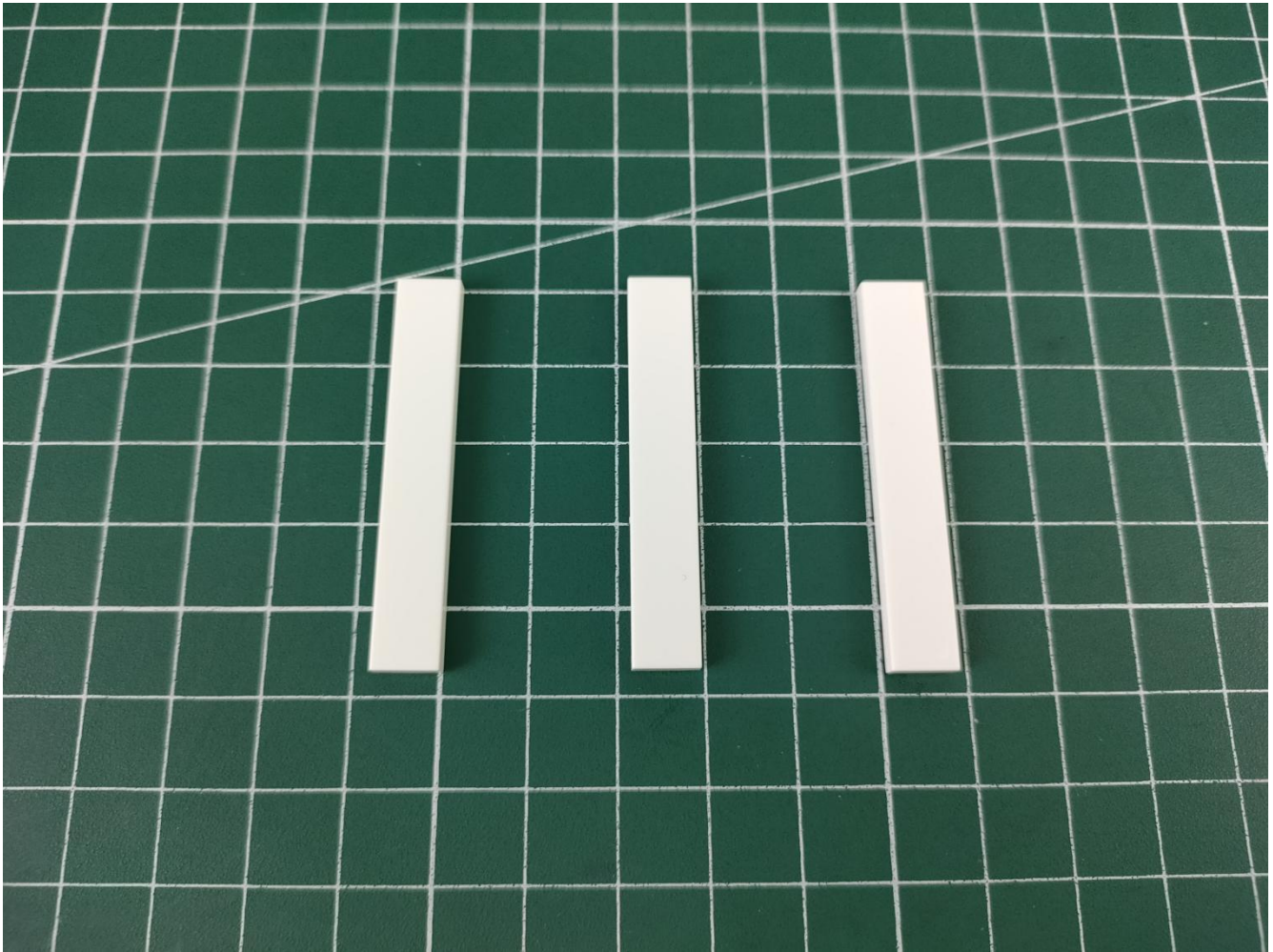




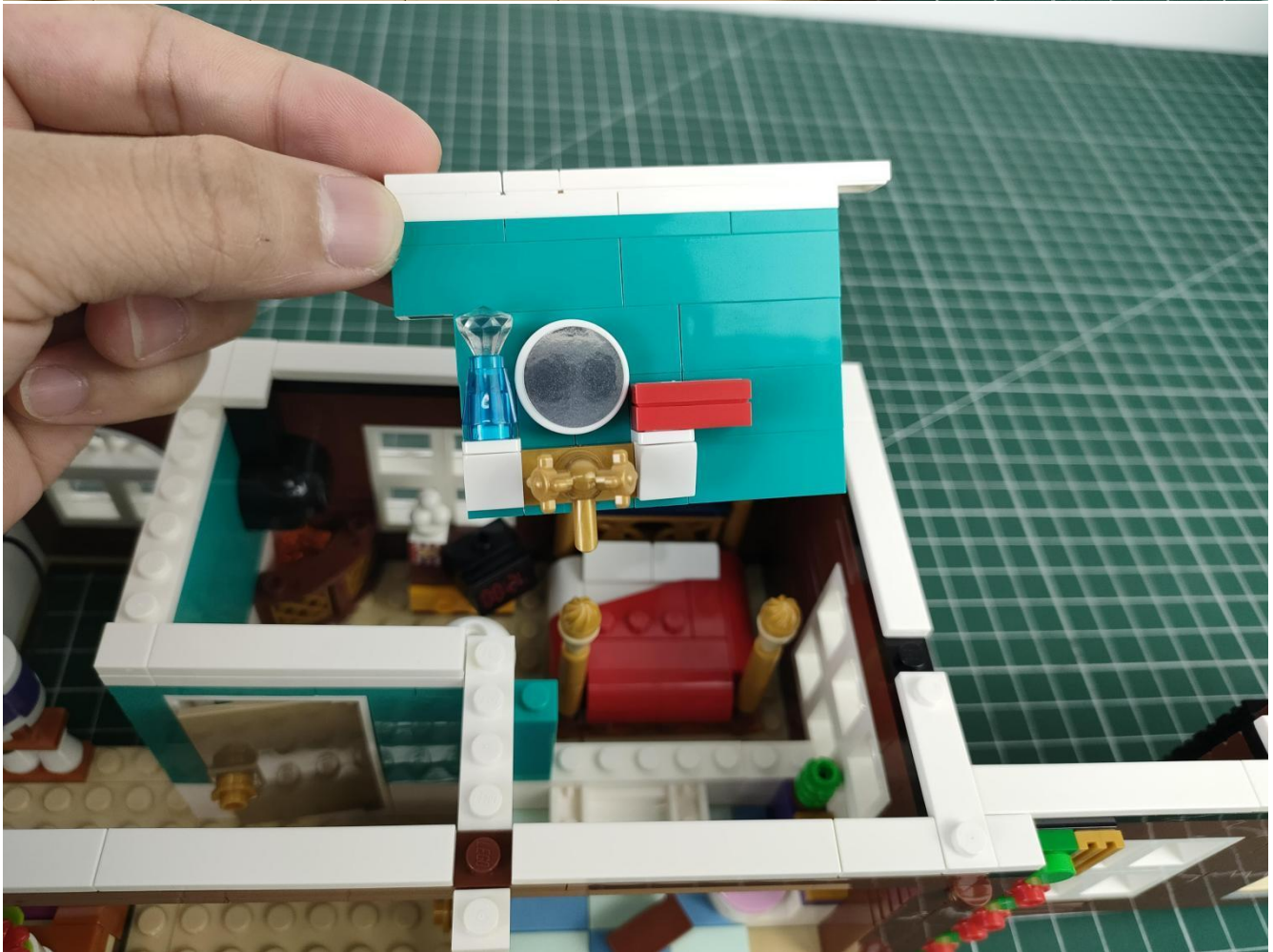
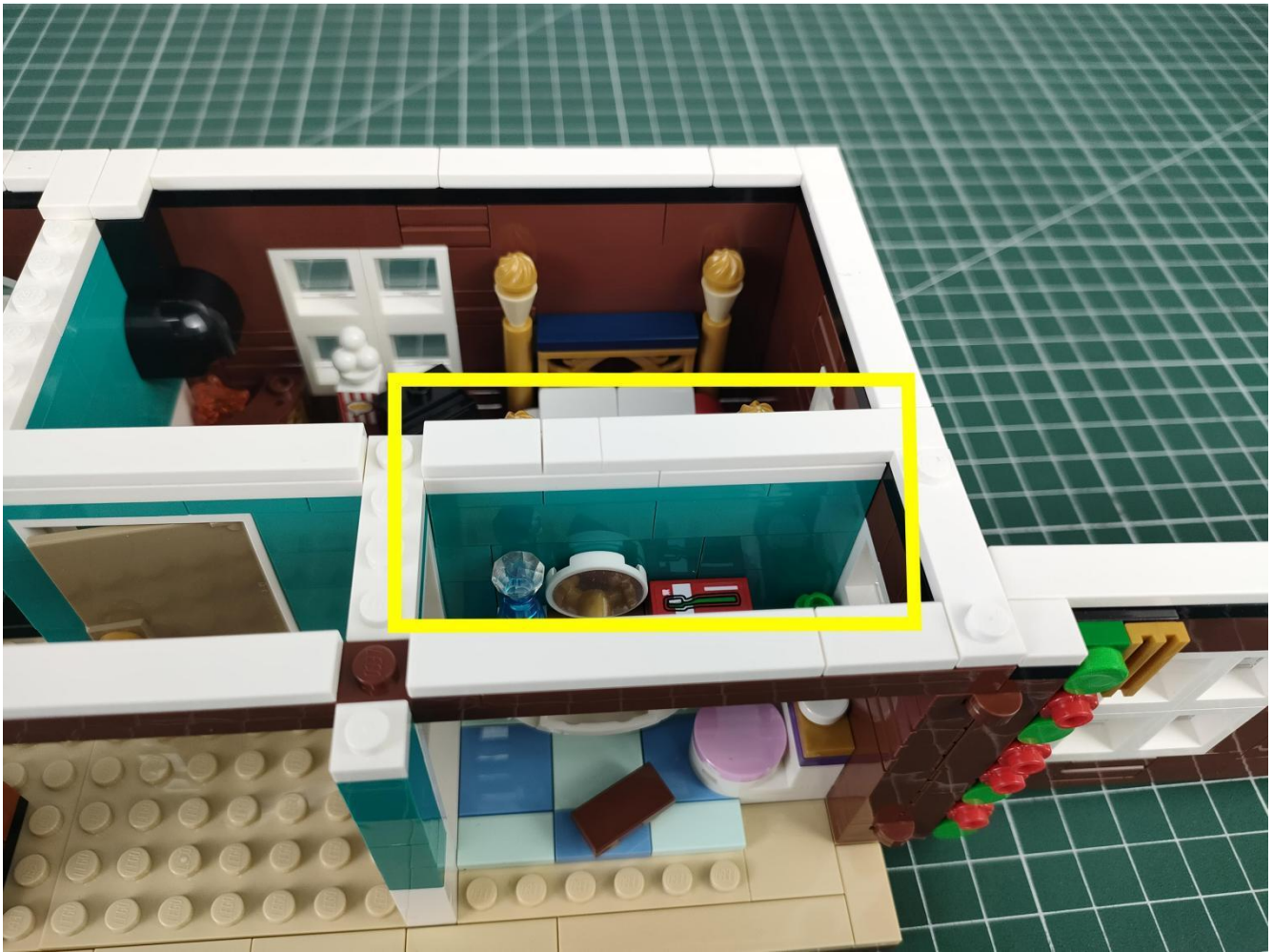
Remove the three white blocks in the picture.







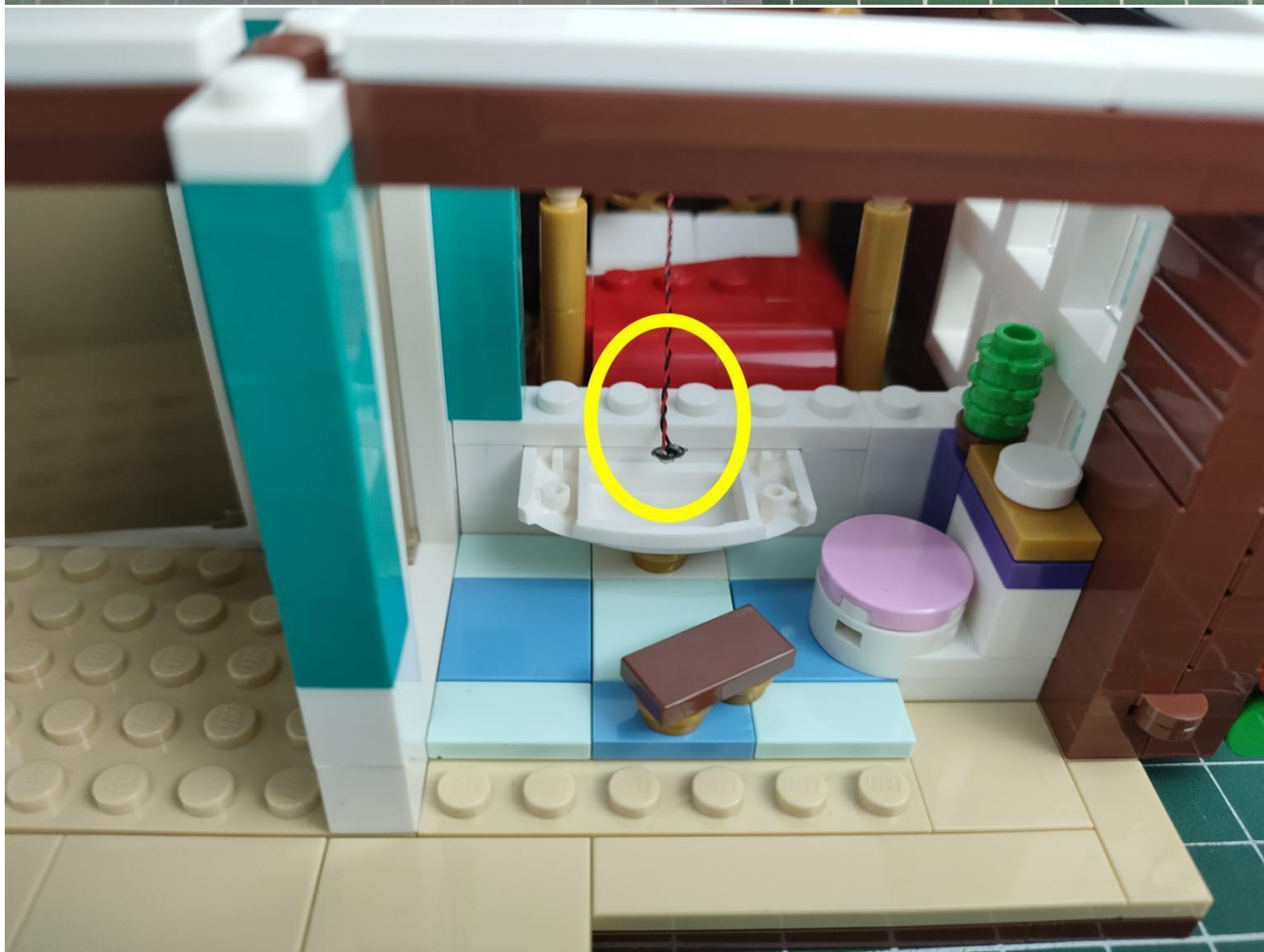




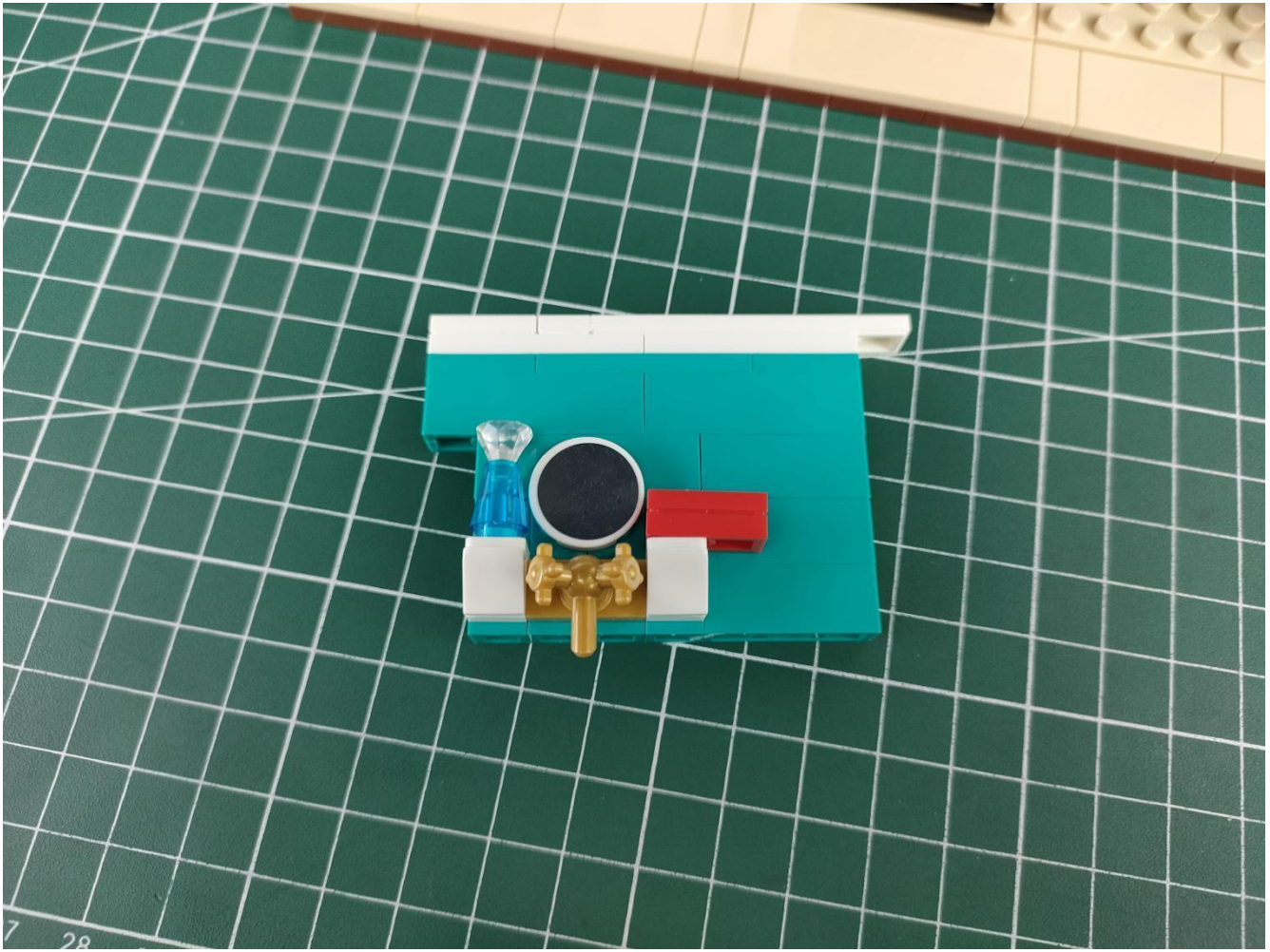




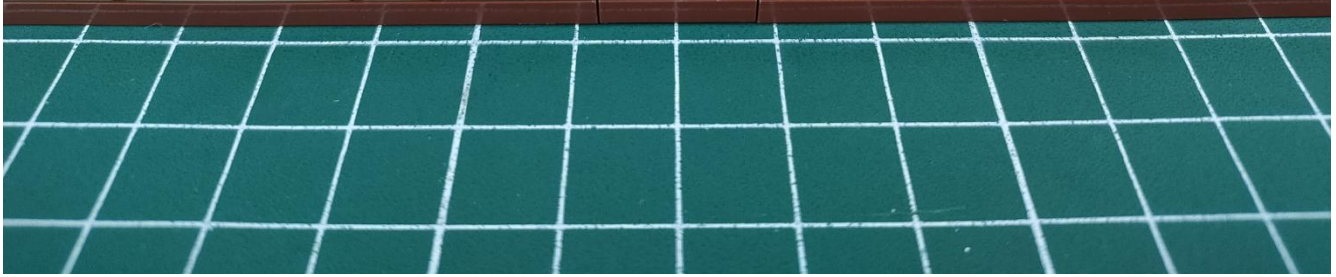
30cm 蓝色普通灯粒  
Bit Lights-30CM-Blue











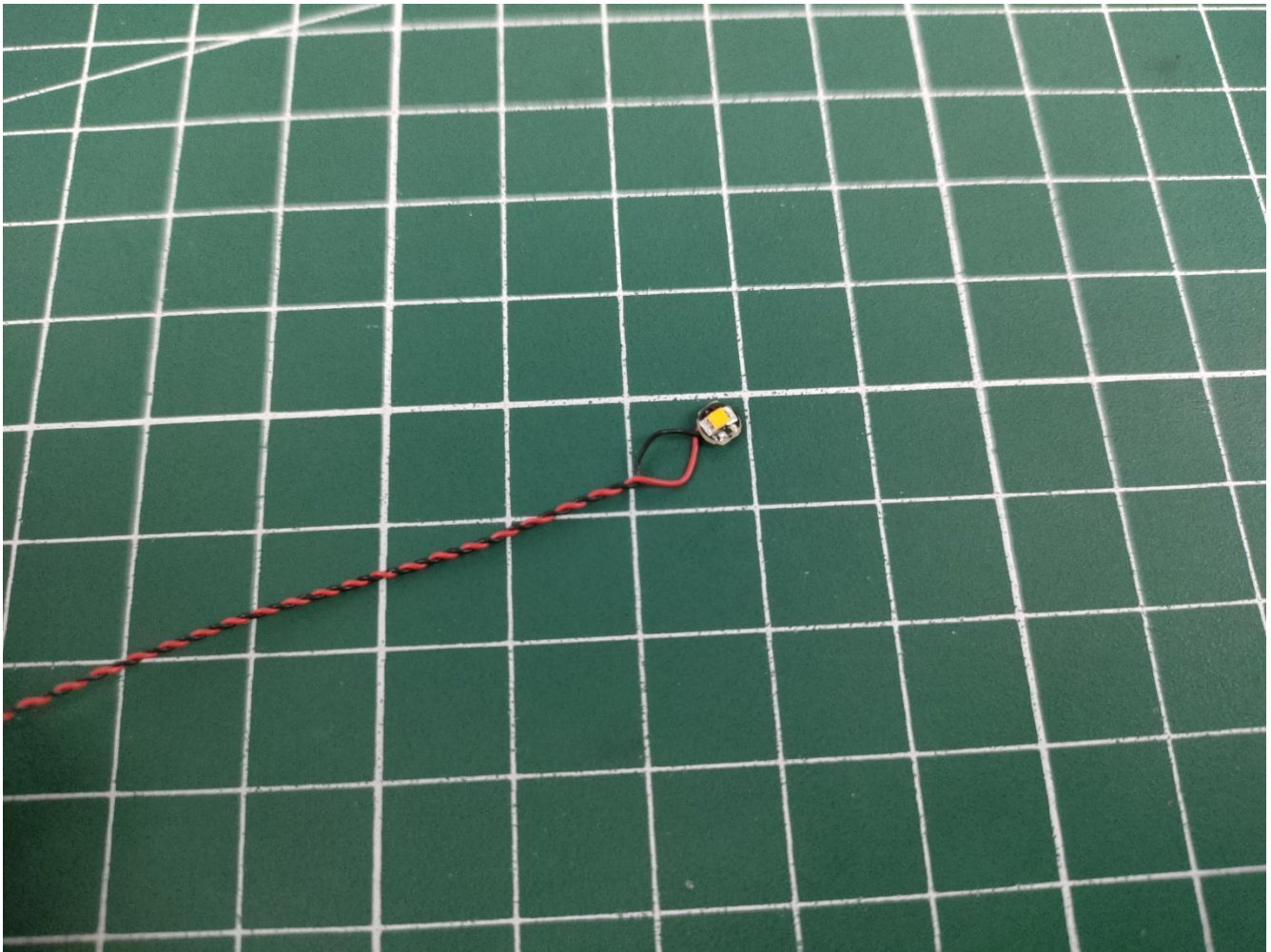




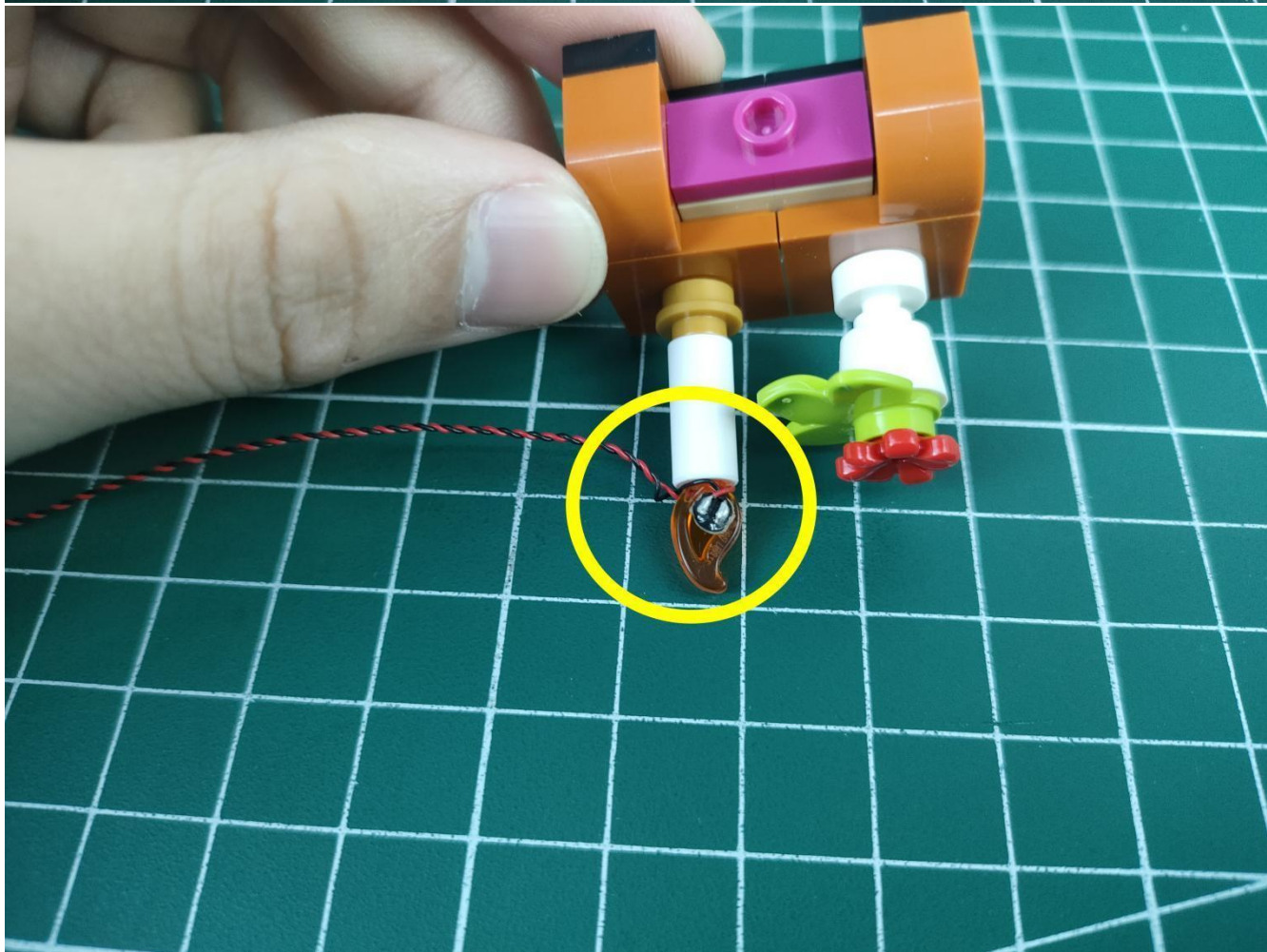
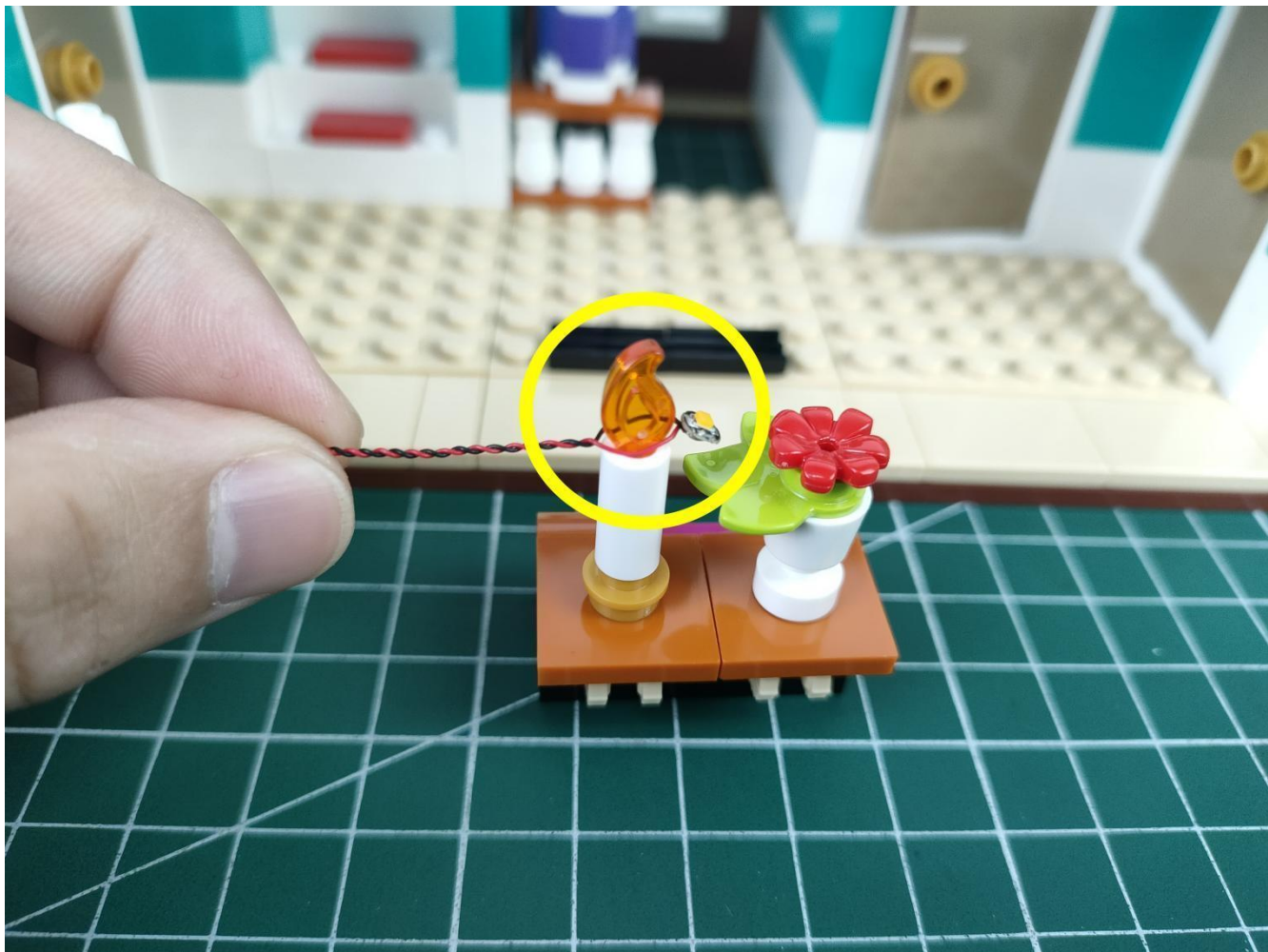
15cm 暖白普通灯粒  
Bit Lights-15CM  
-Warm White



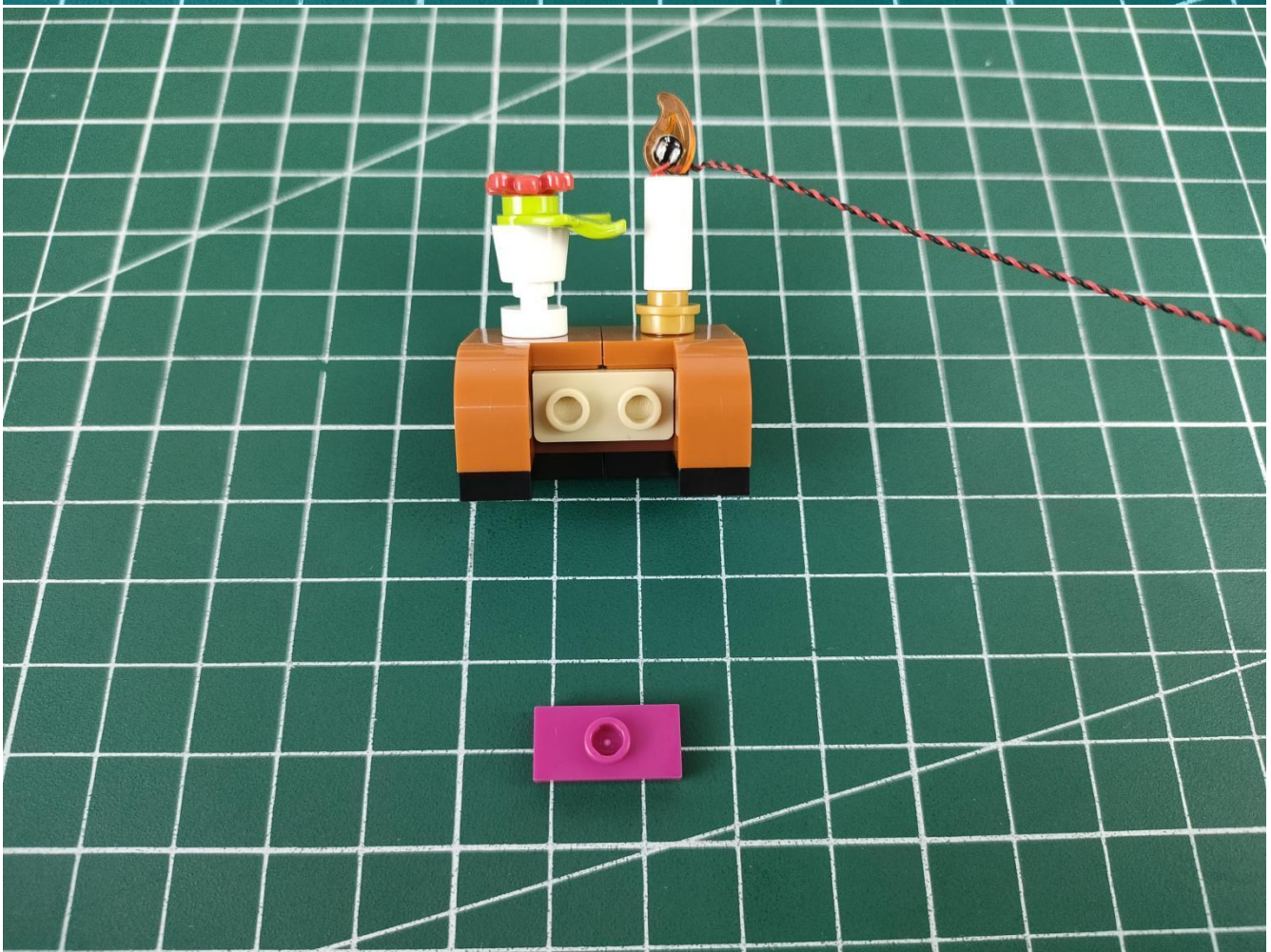
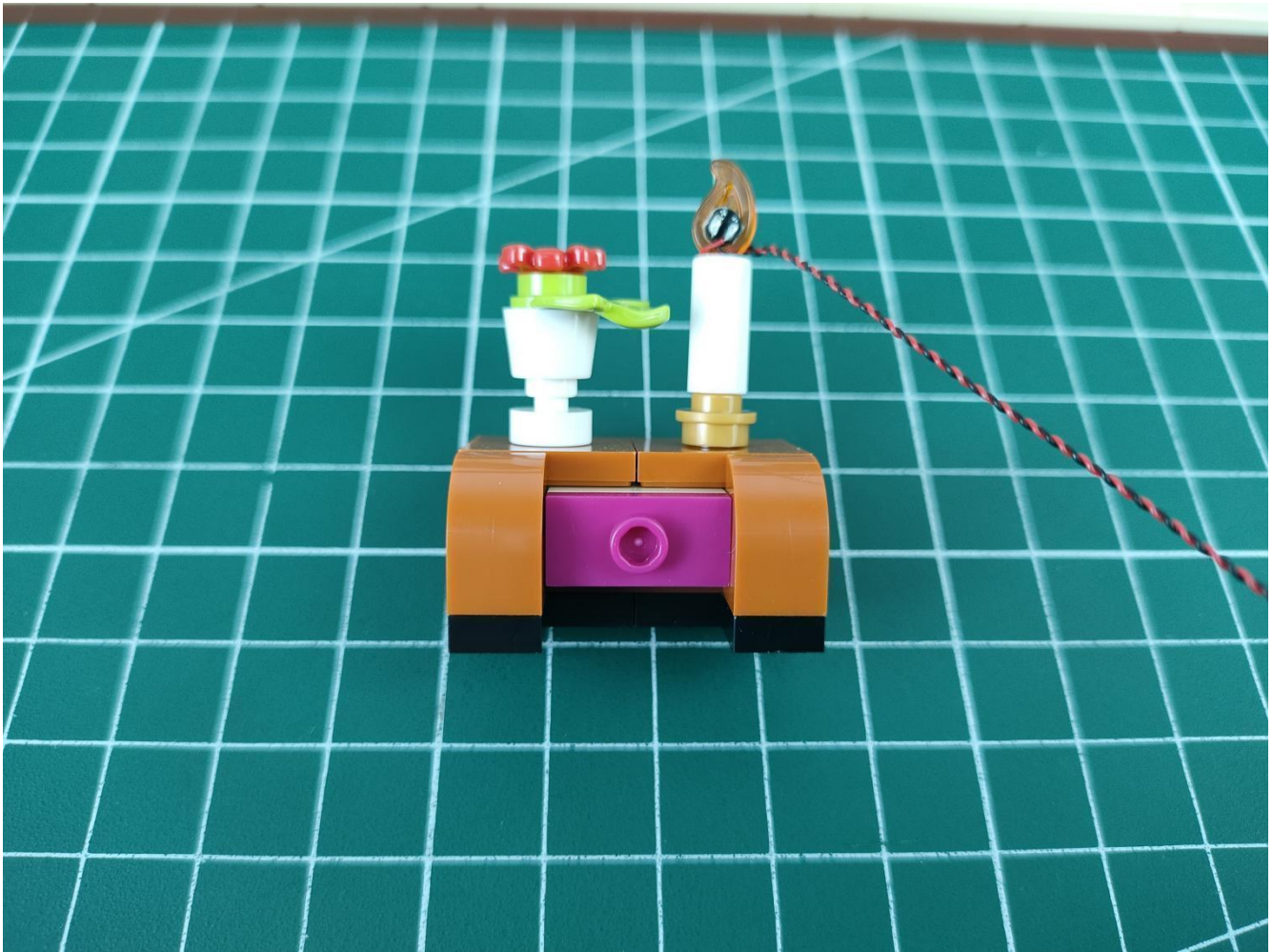
**The lines between the lamp particles are separated.**



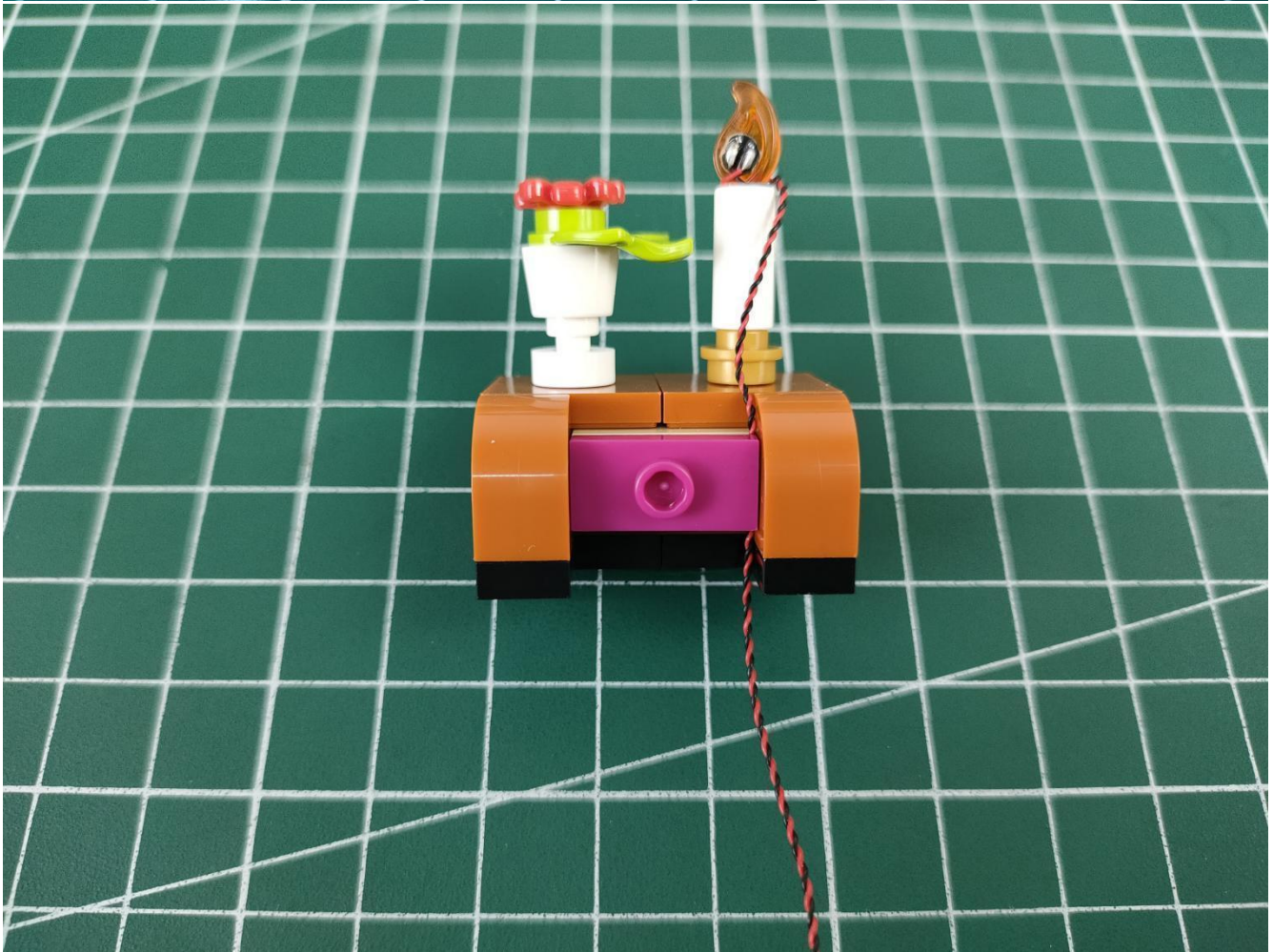
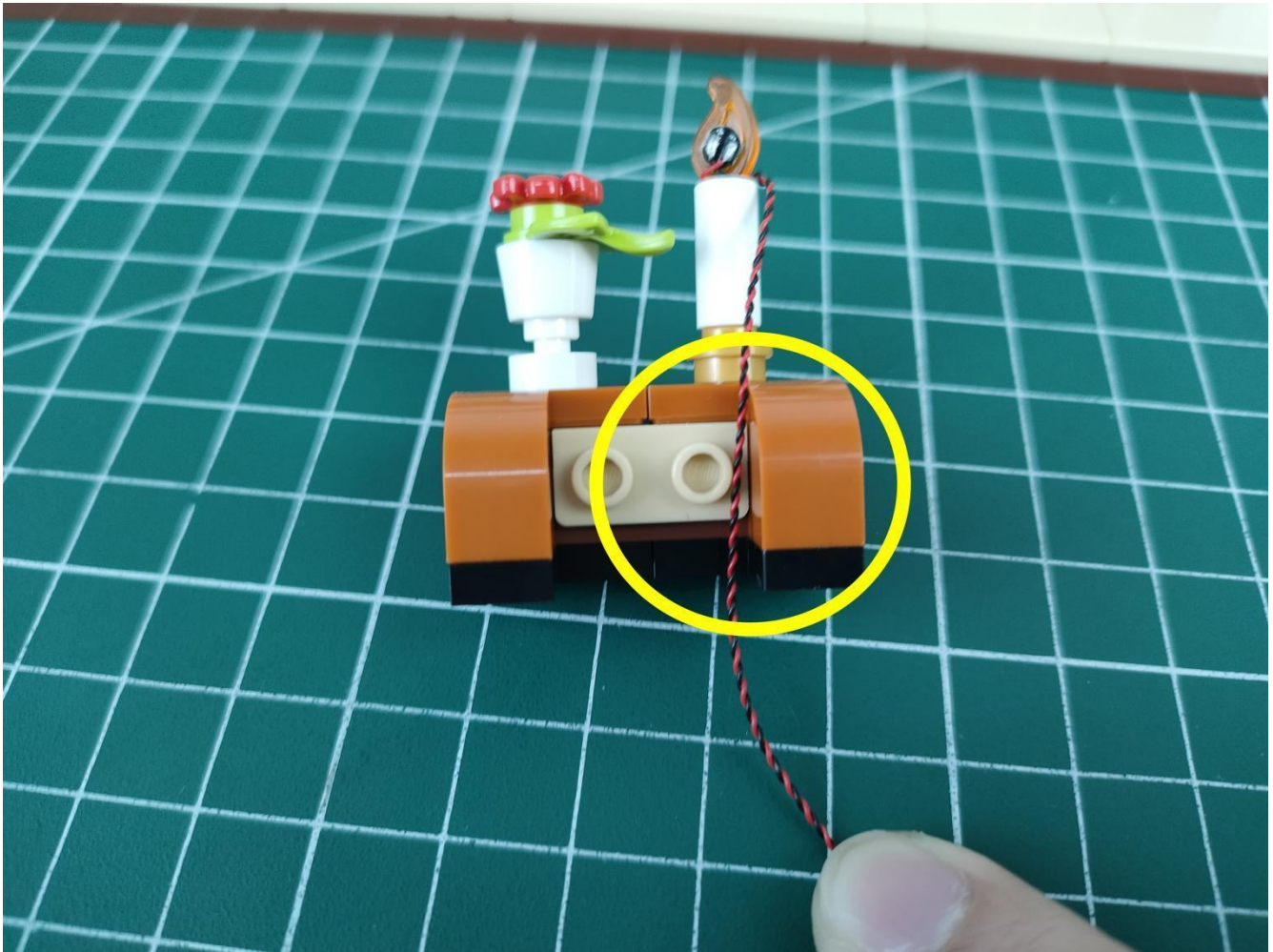




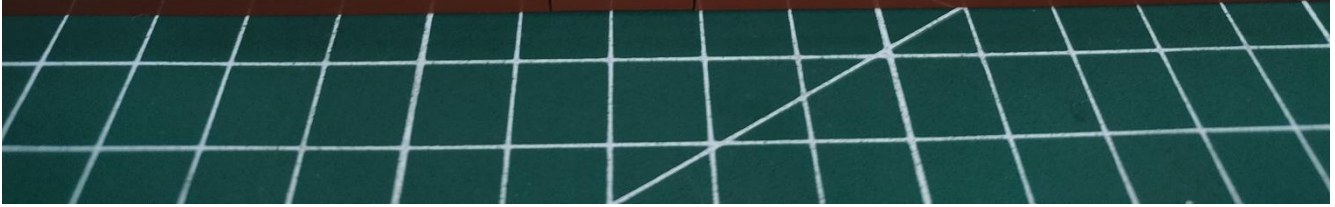




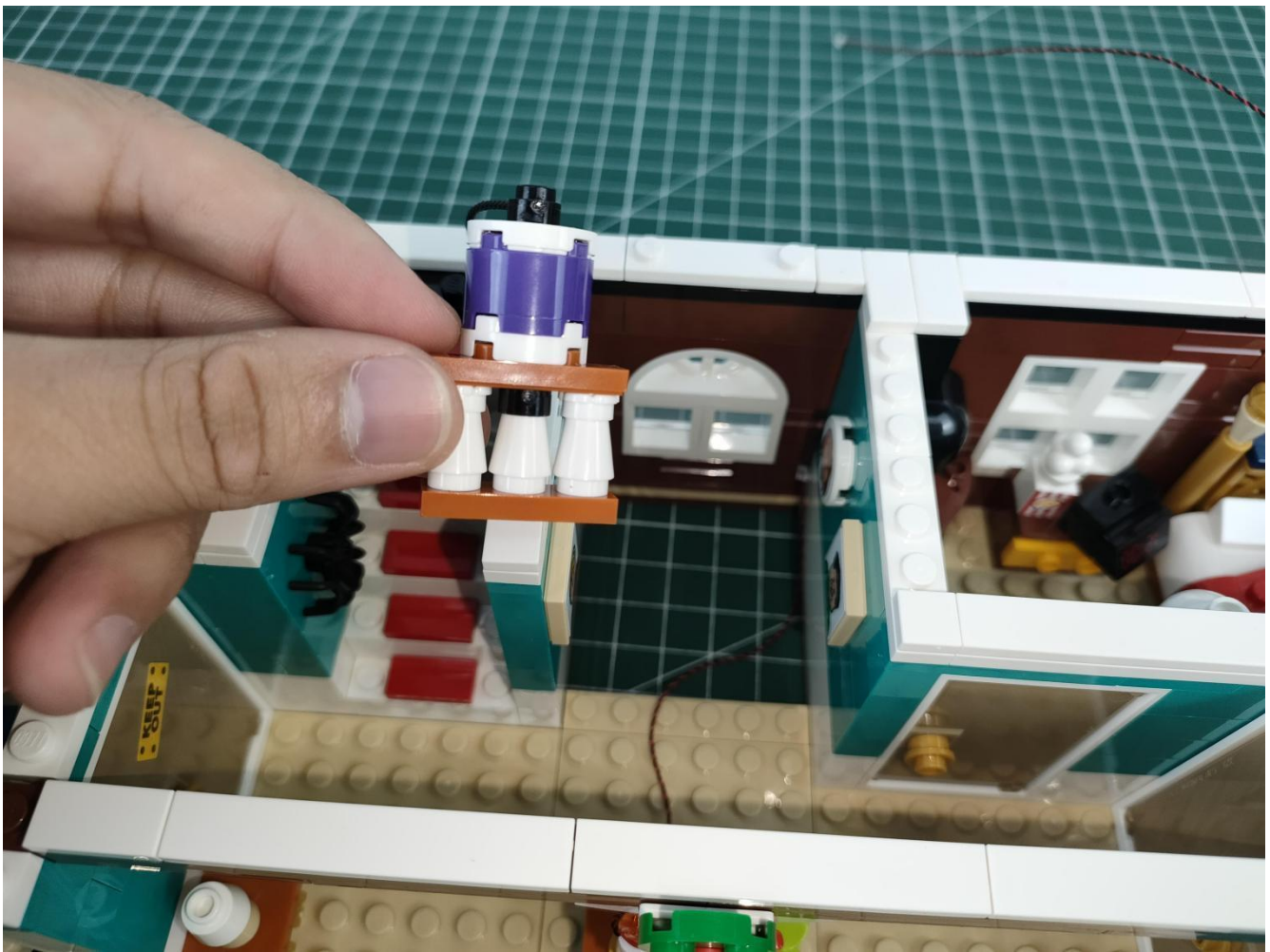






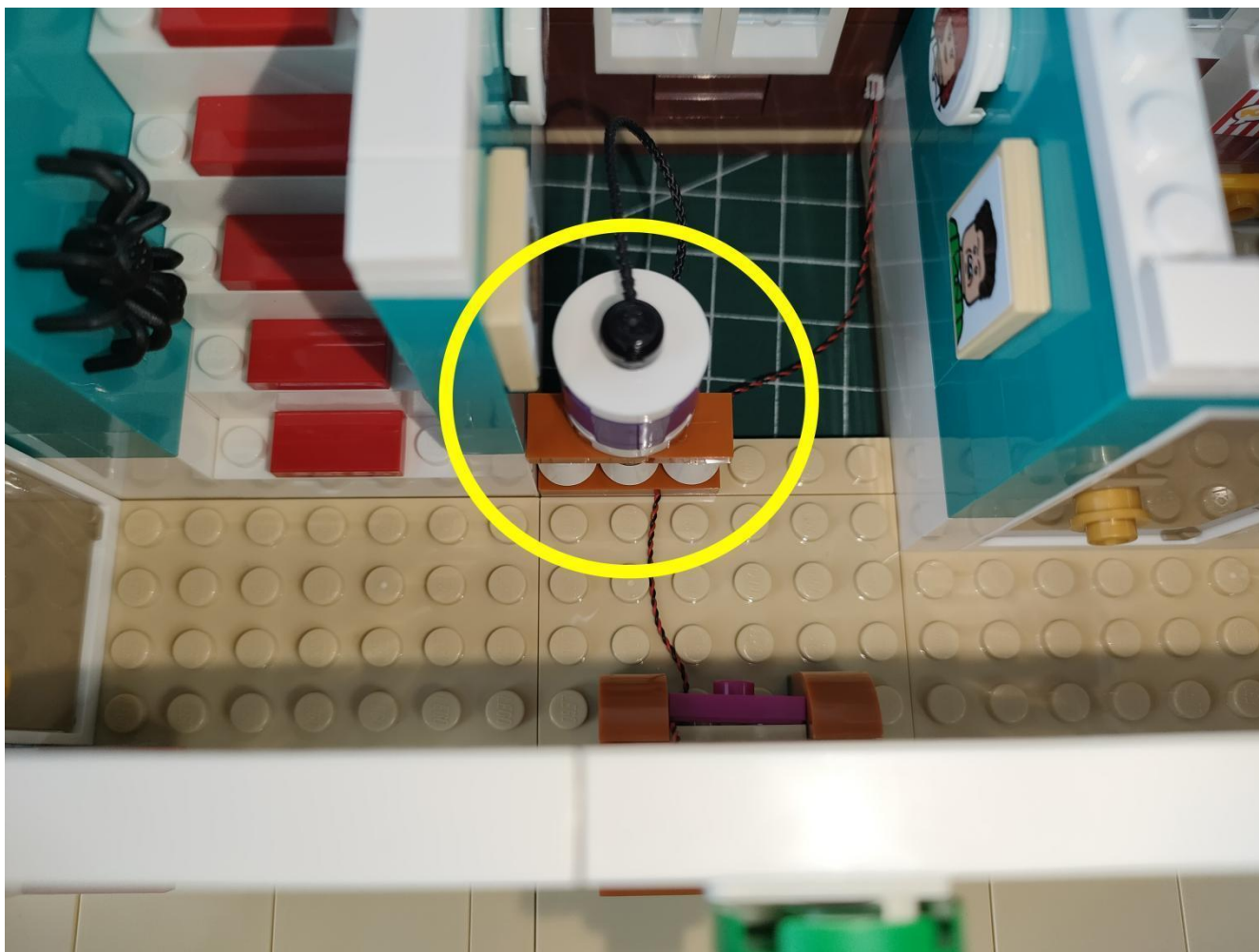




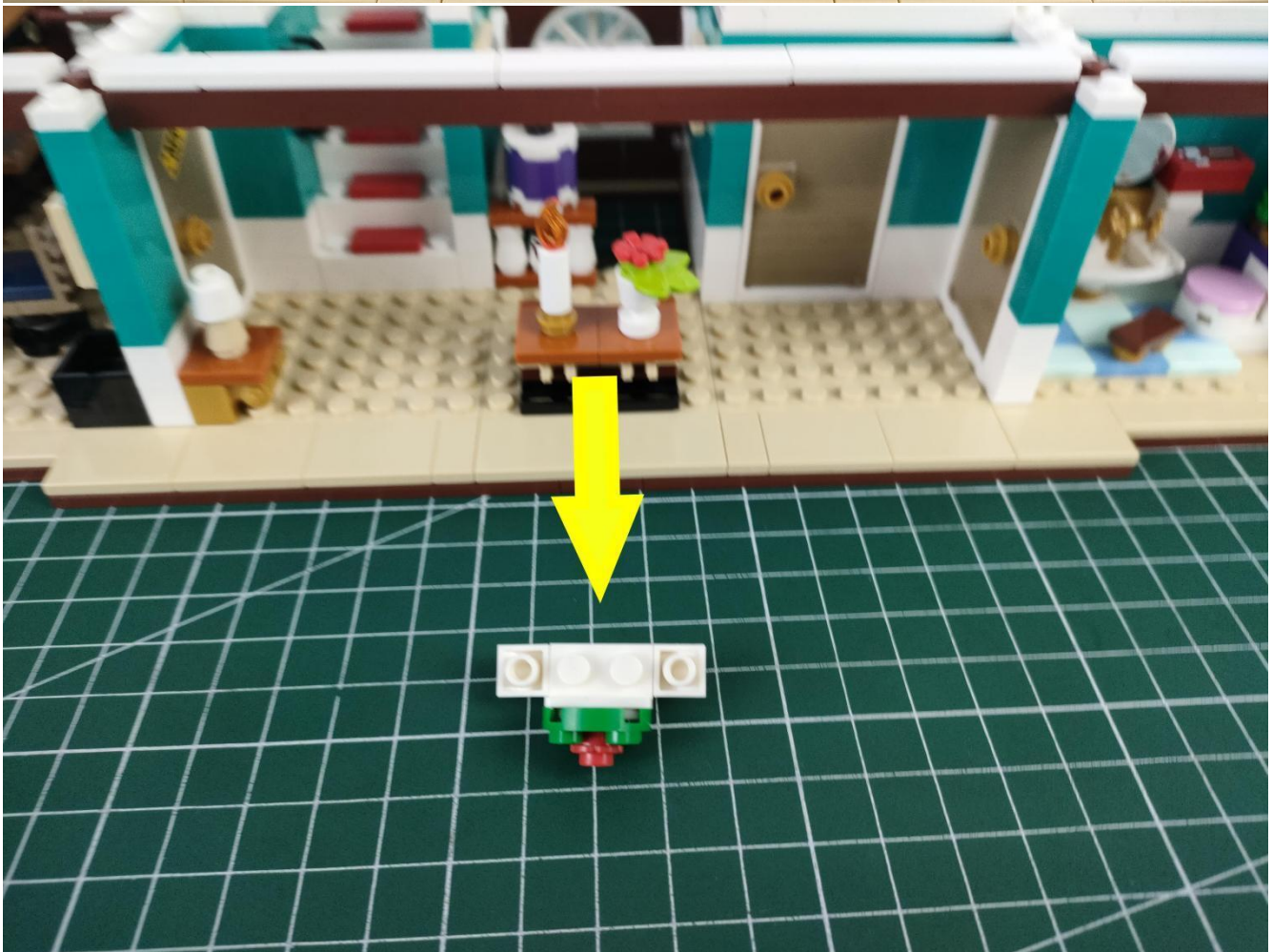
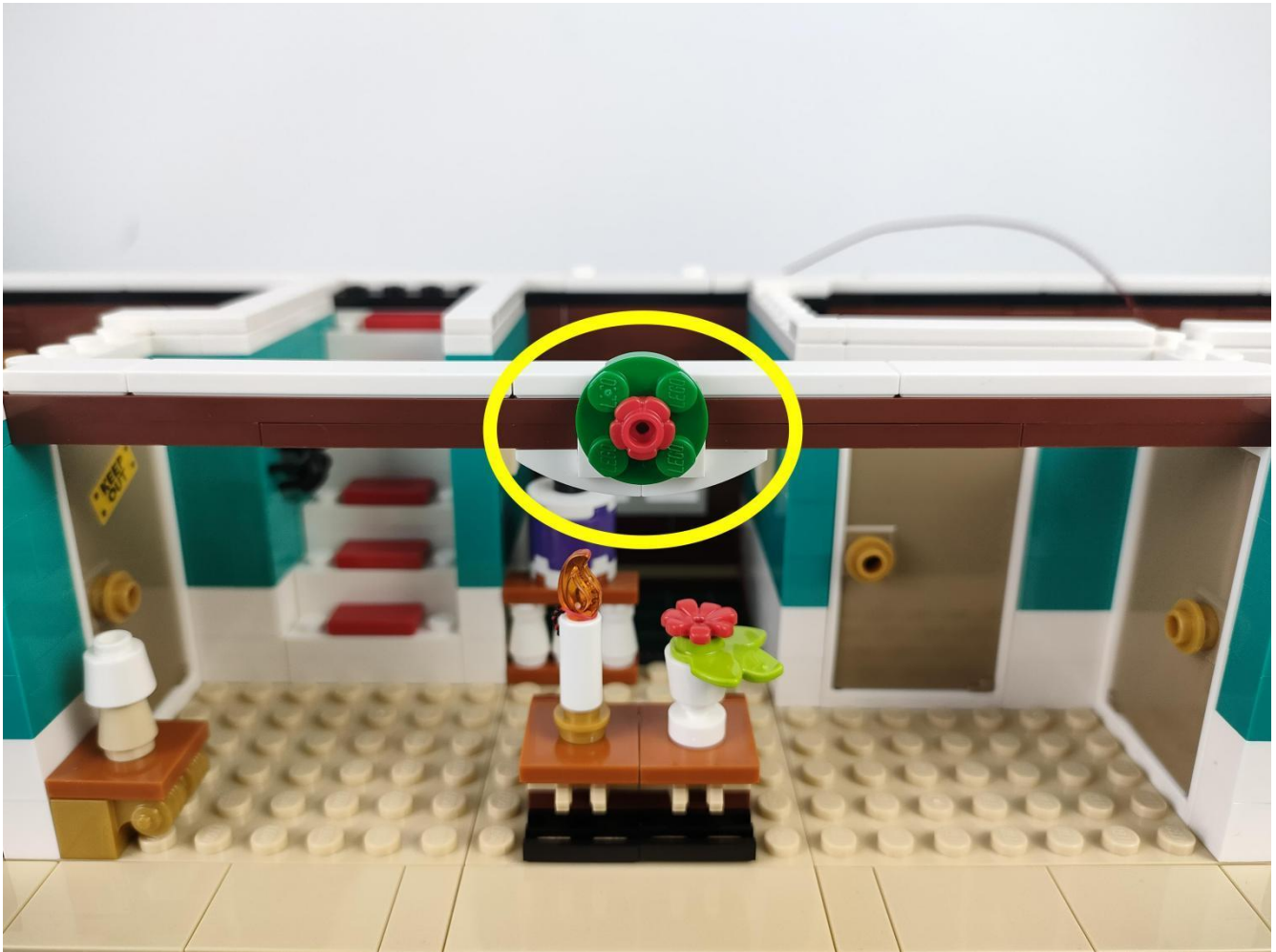




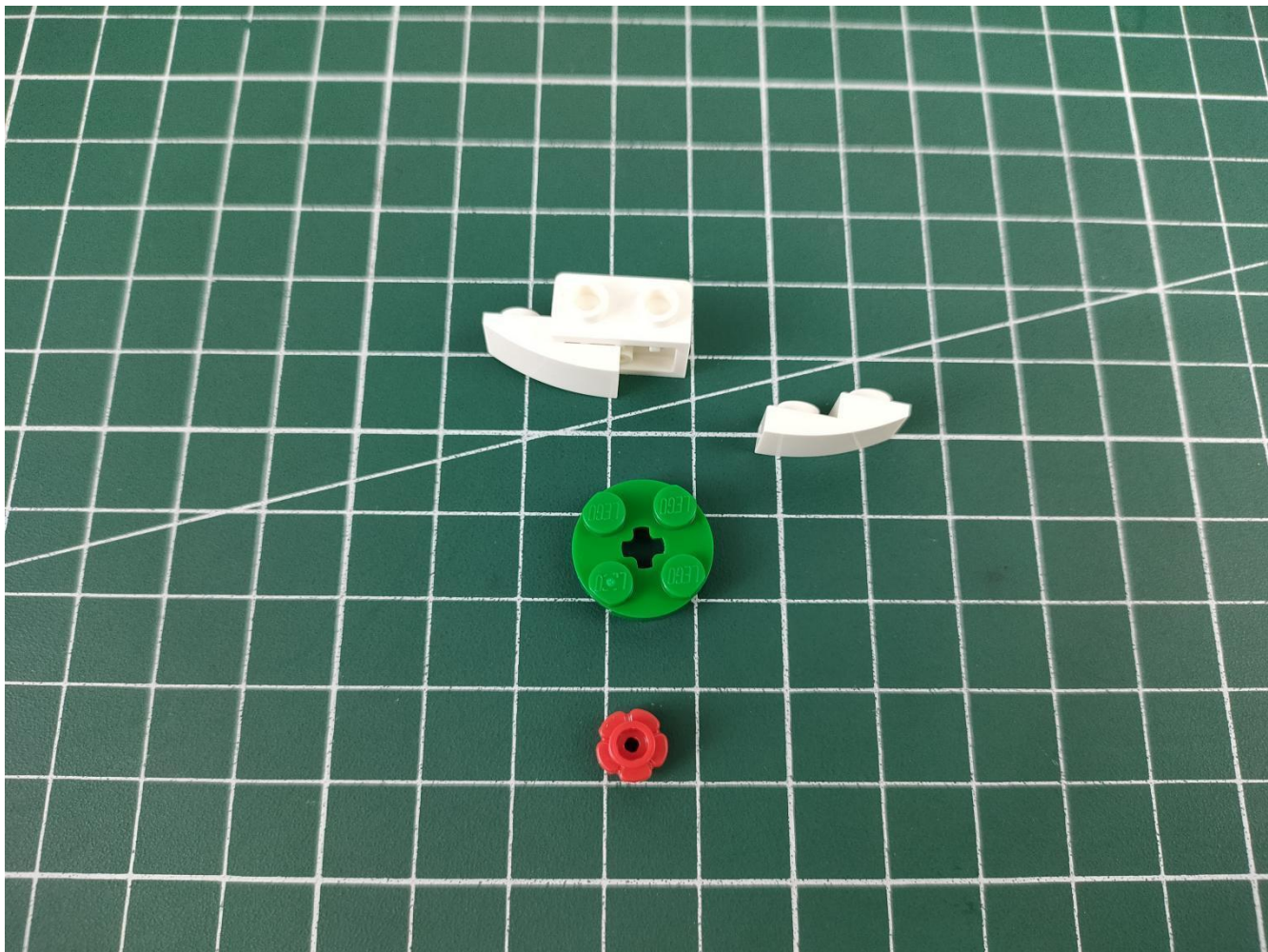
**The lamp strand can be pressed with building blocks.**



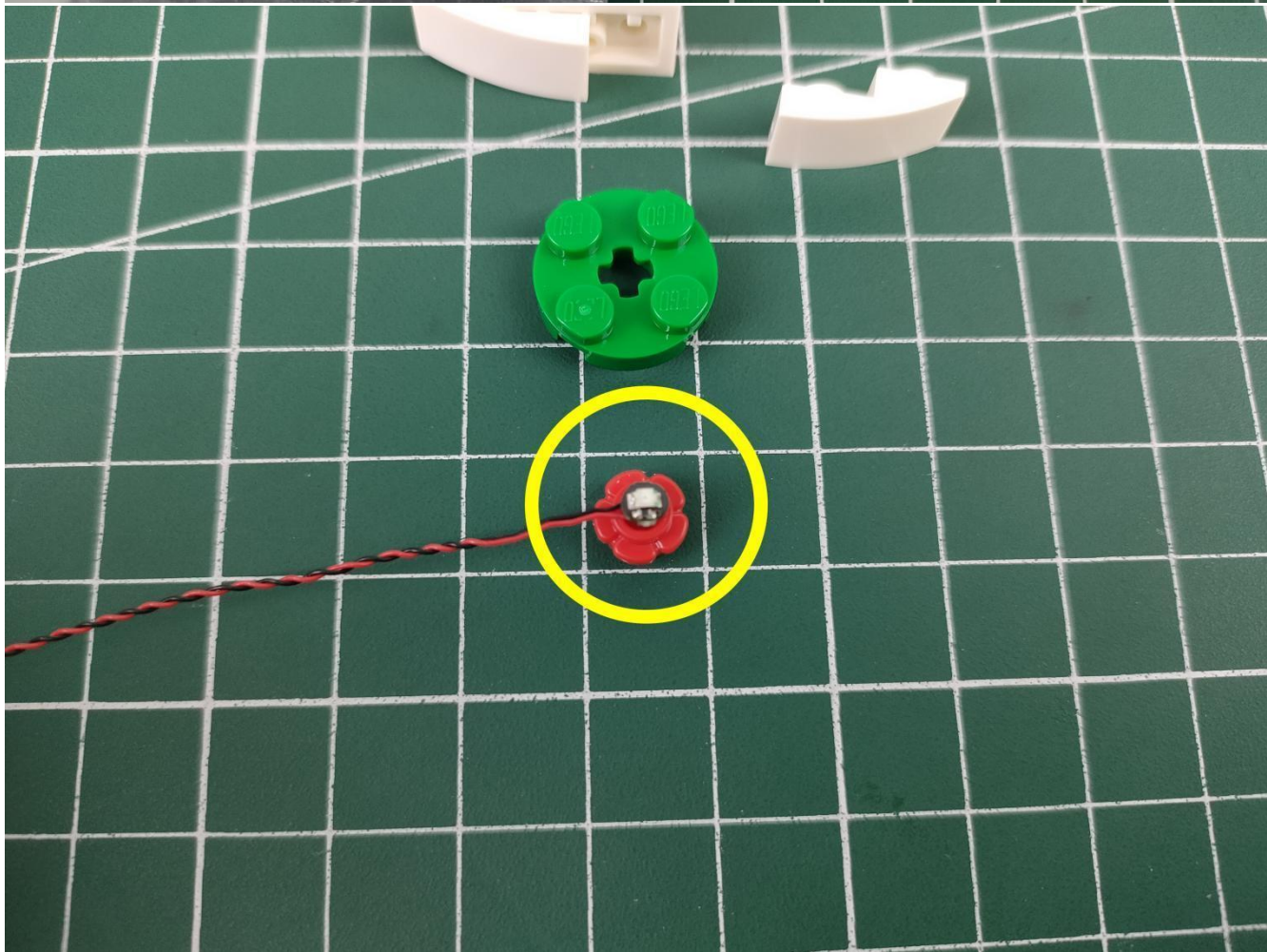














# Tips

The plate without slit:

## The plate without slit:

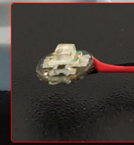
The squeeze causes the protective layer of the wire to be torn apart, the positive and negative wires touch together, and the set is short-circuited and the hot or wire is crushed, the wire to be disconnected and don't work.



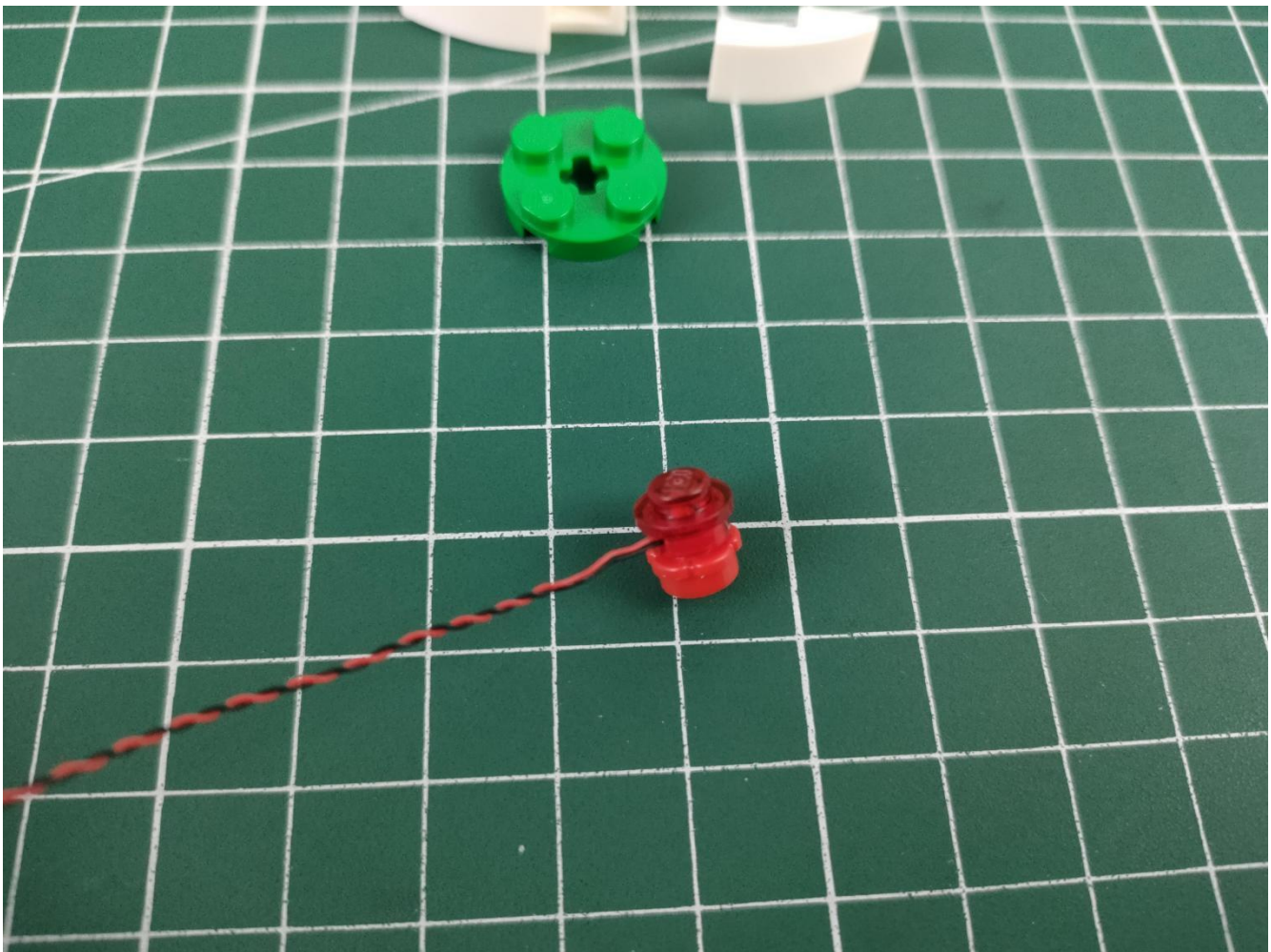
The plate with slit:

## The plate with slit:

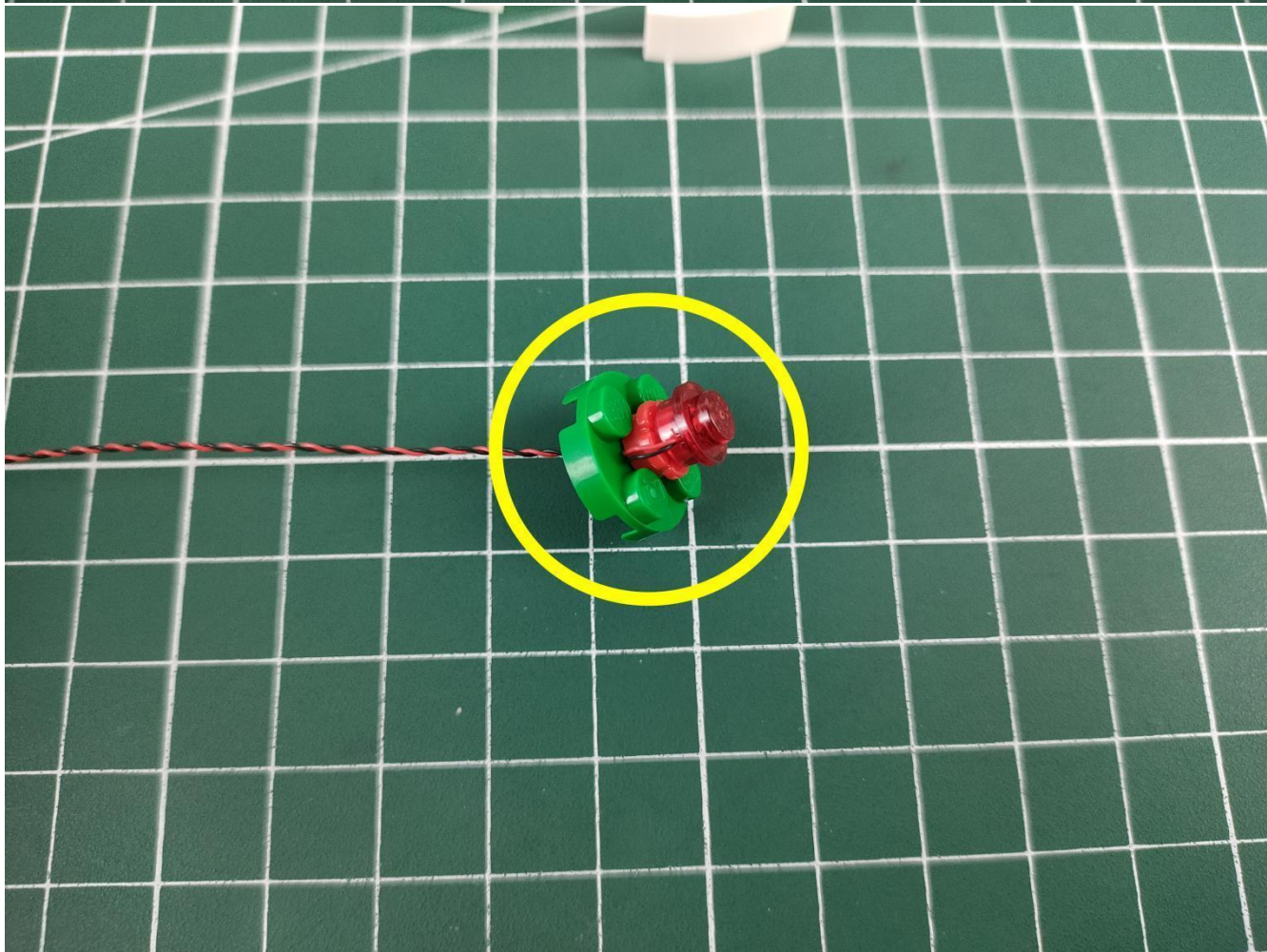
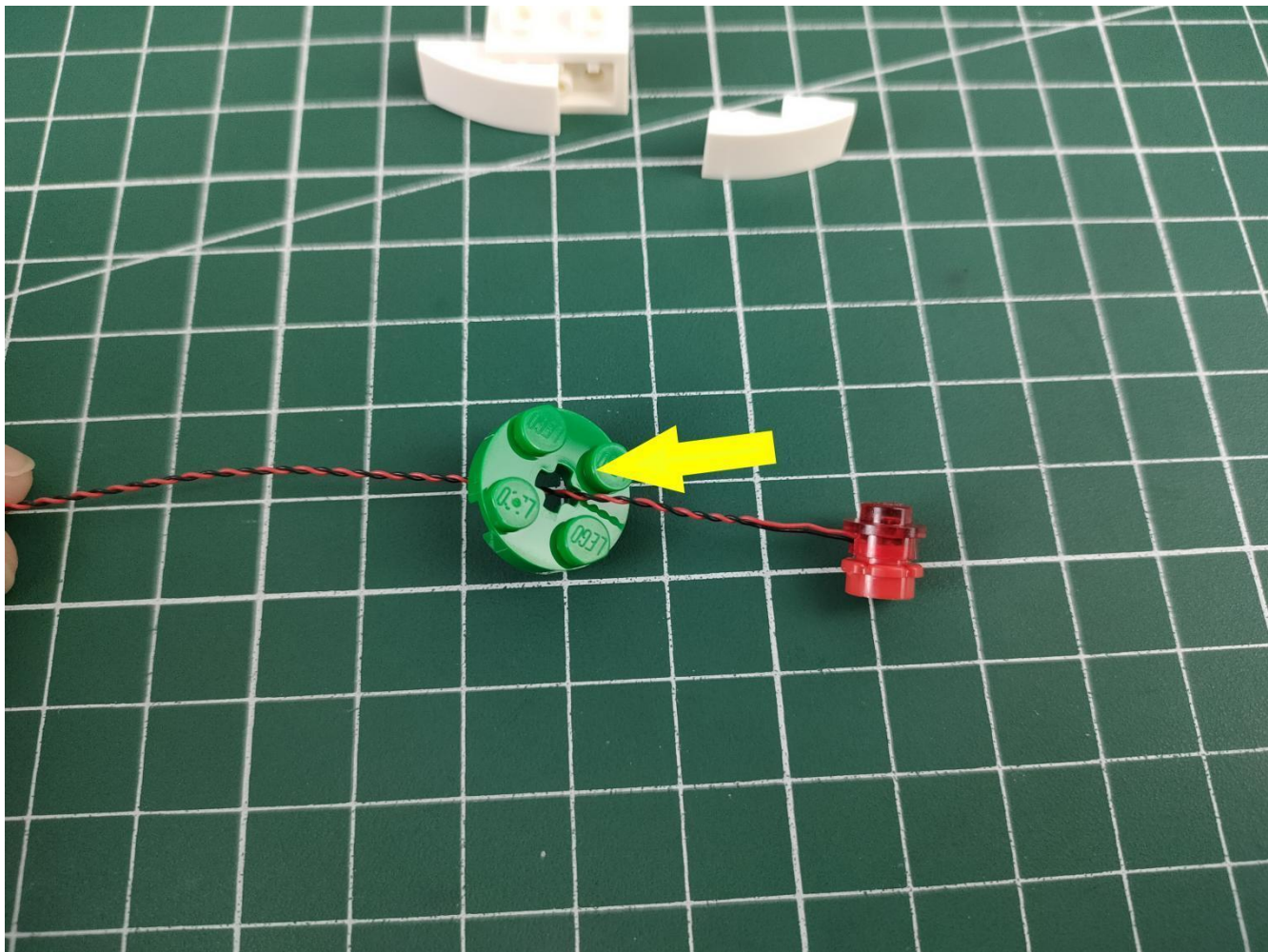
The wire has enough space to avoid being squeezed endowed with longer service life and more stable effect.



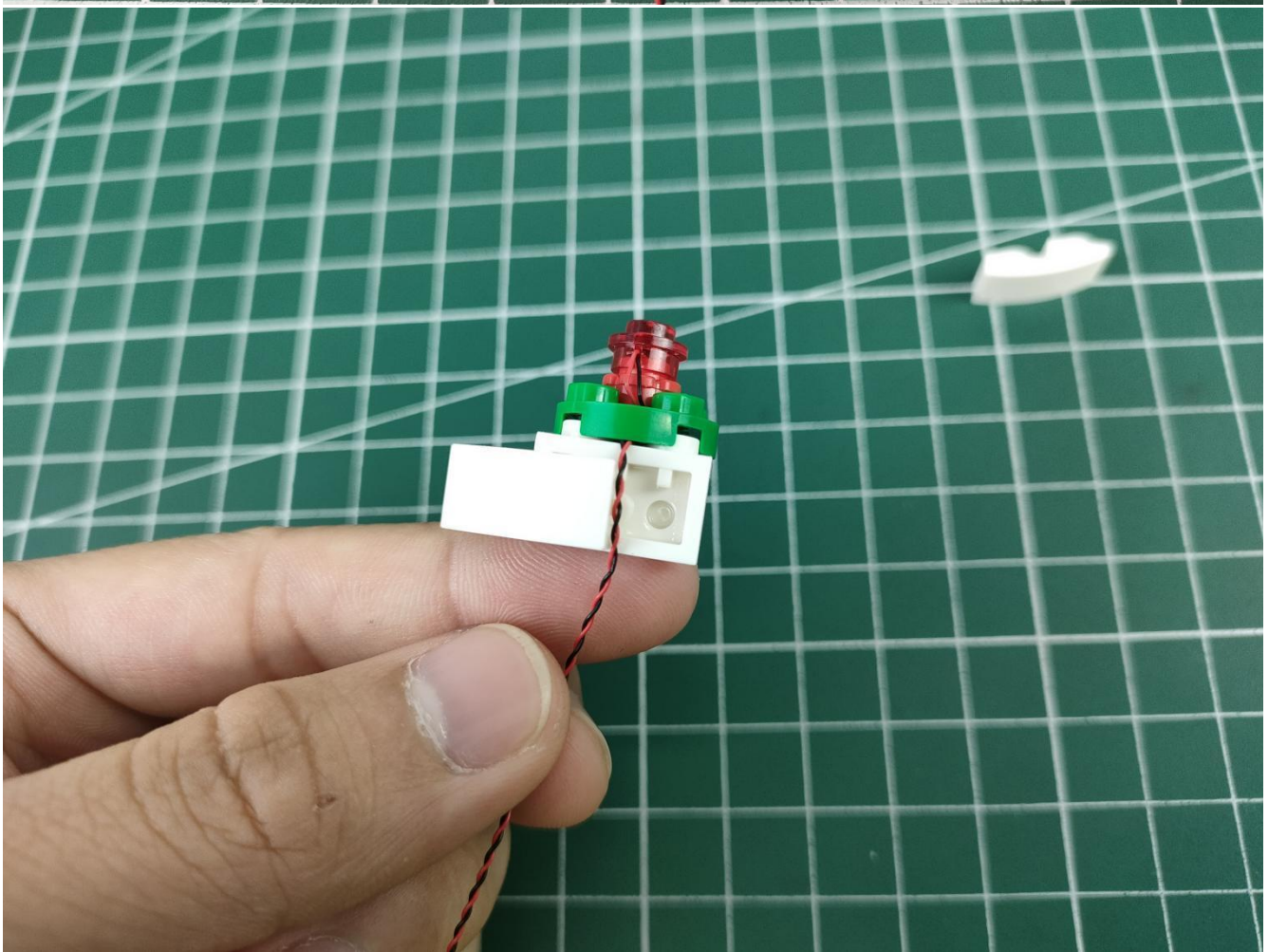
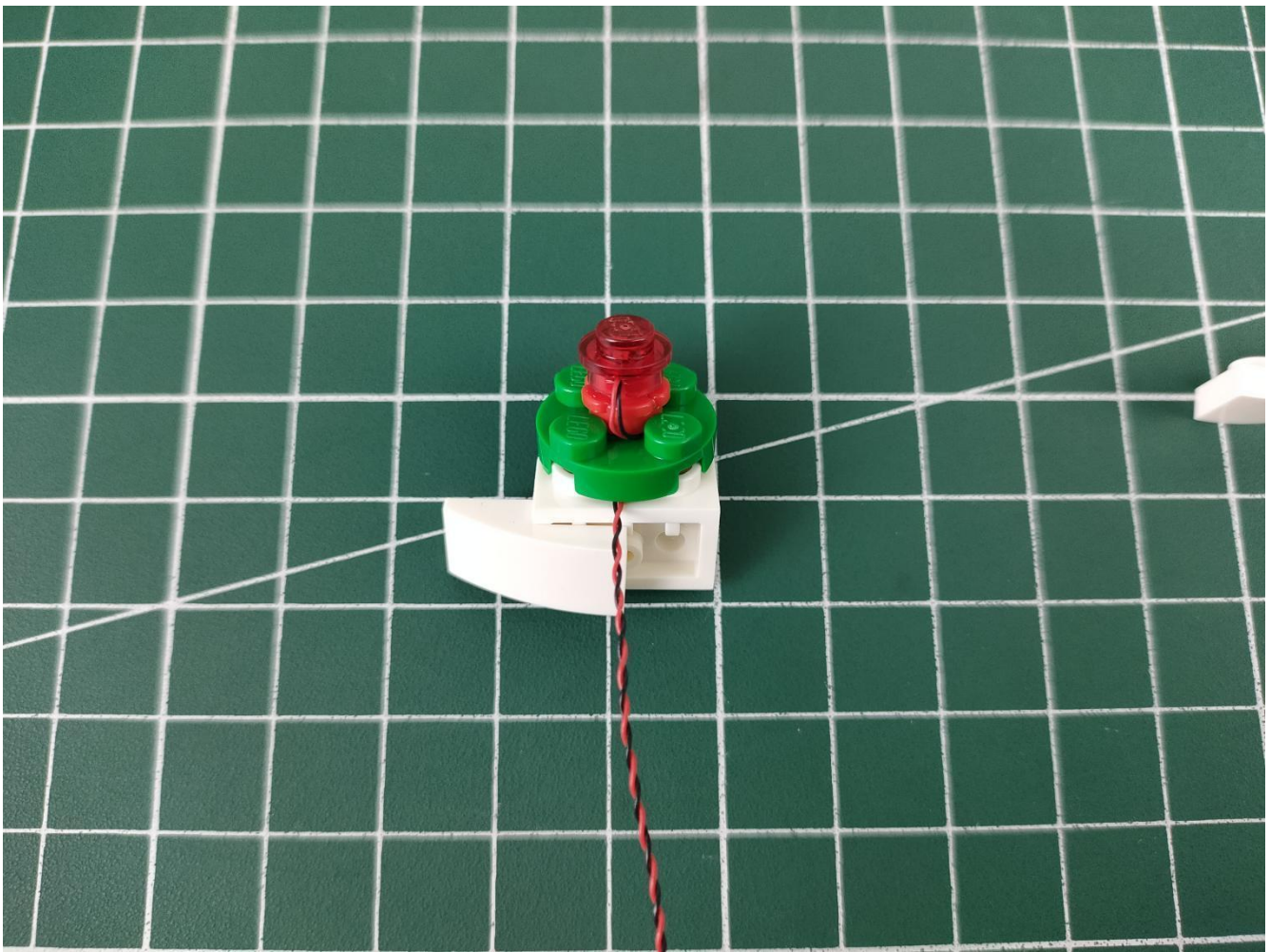
The slit on the the plate round 1X1 are hand-made to avoid squeeze the wire and cause short circuit and abnormal heat during installation.



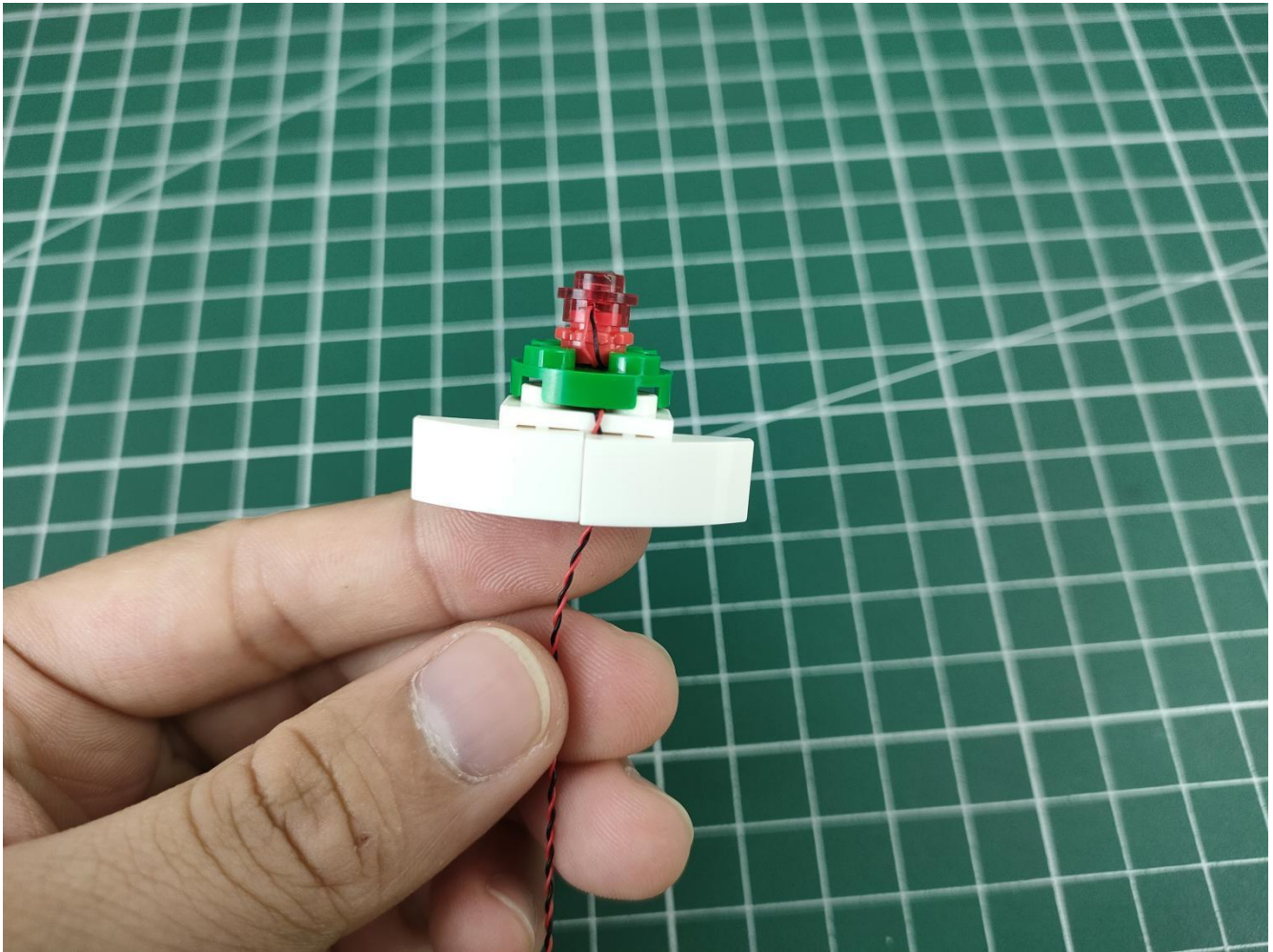




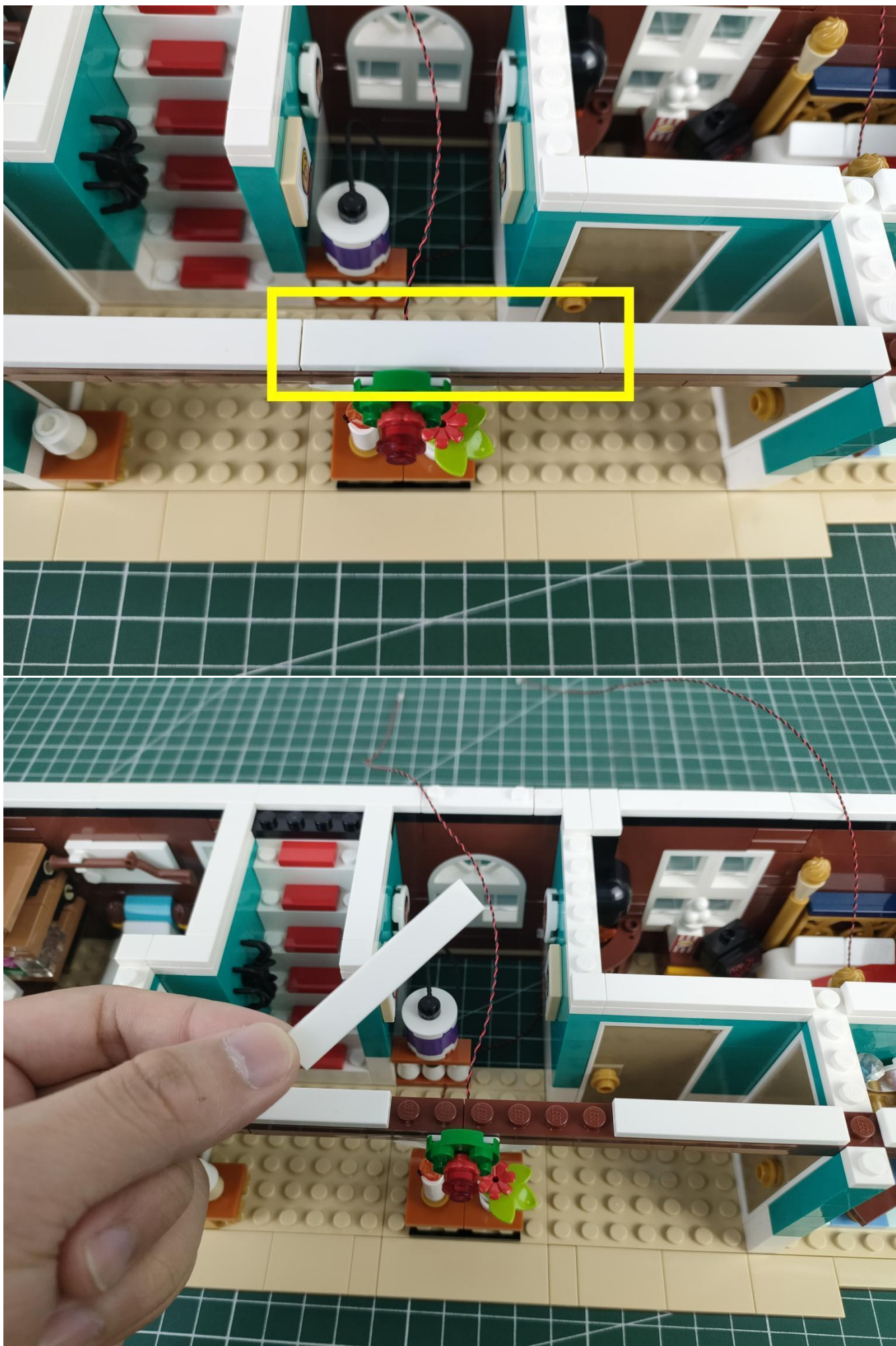




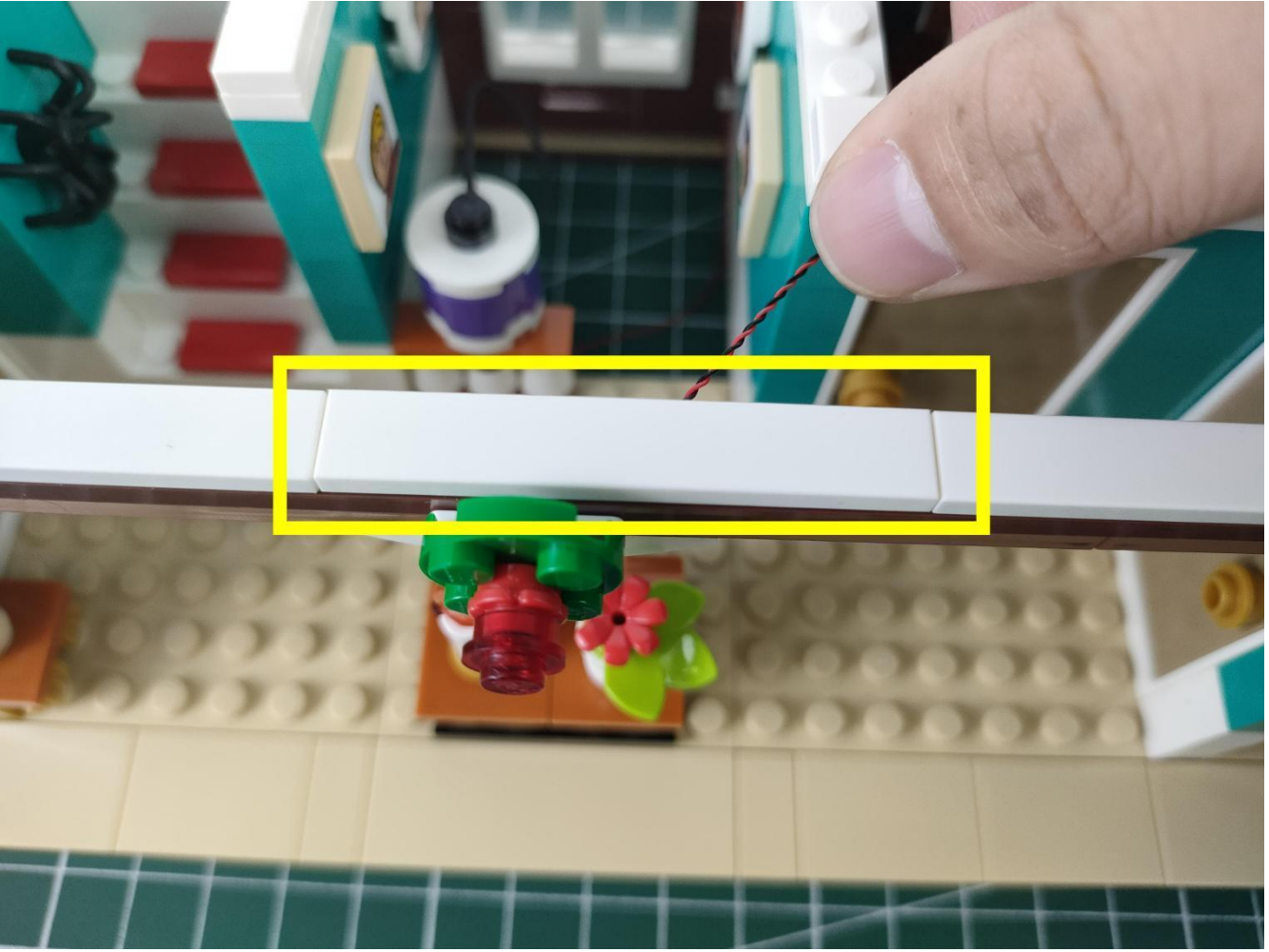
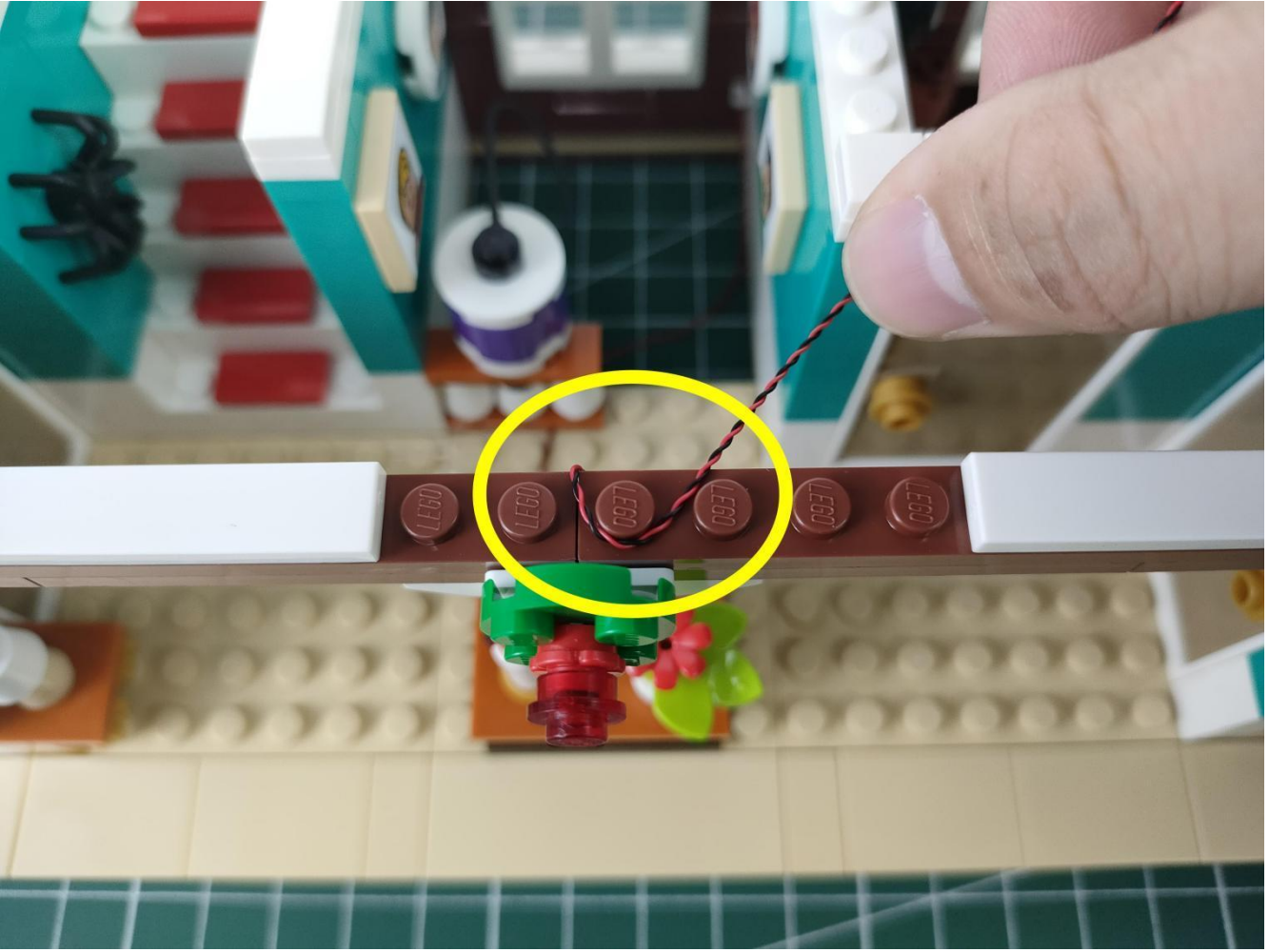




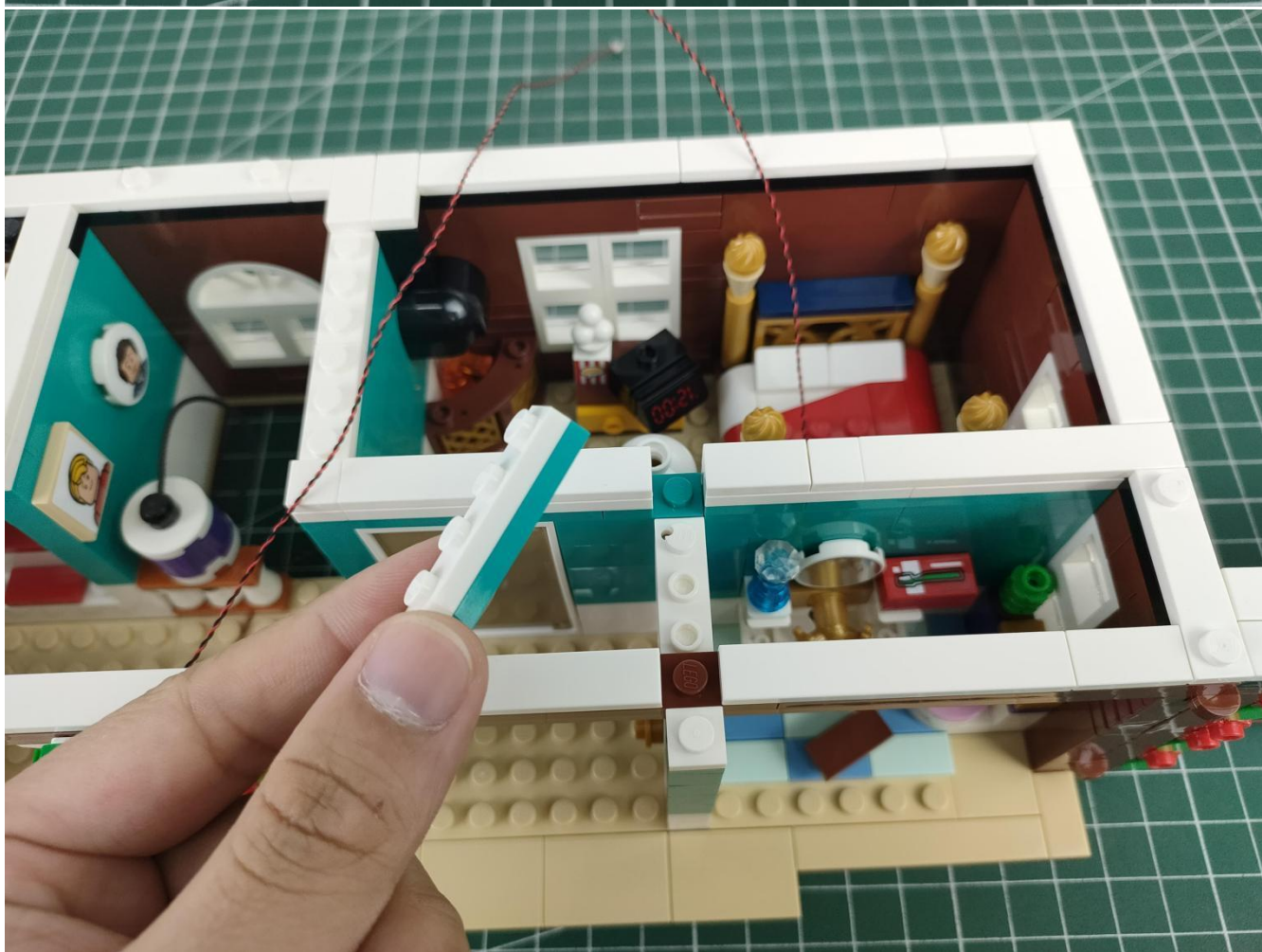
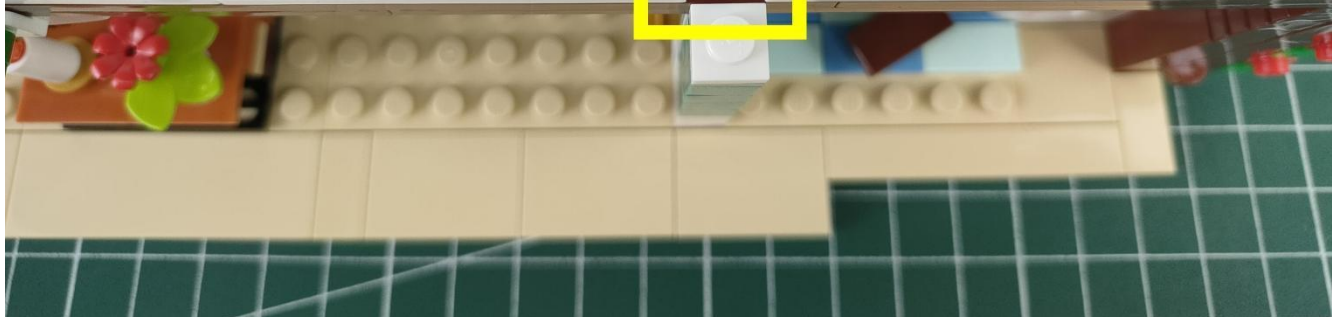
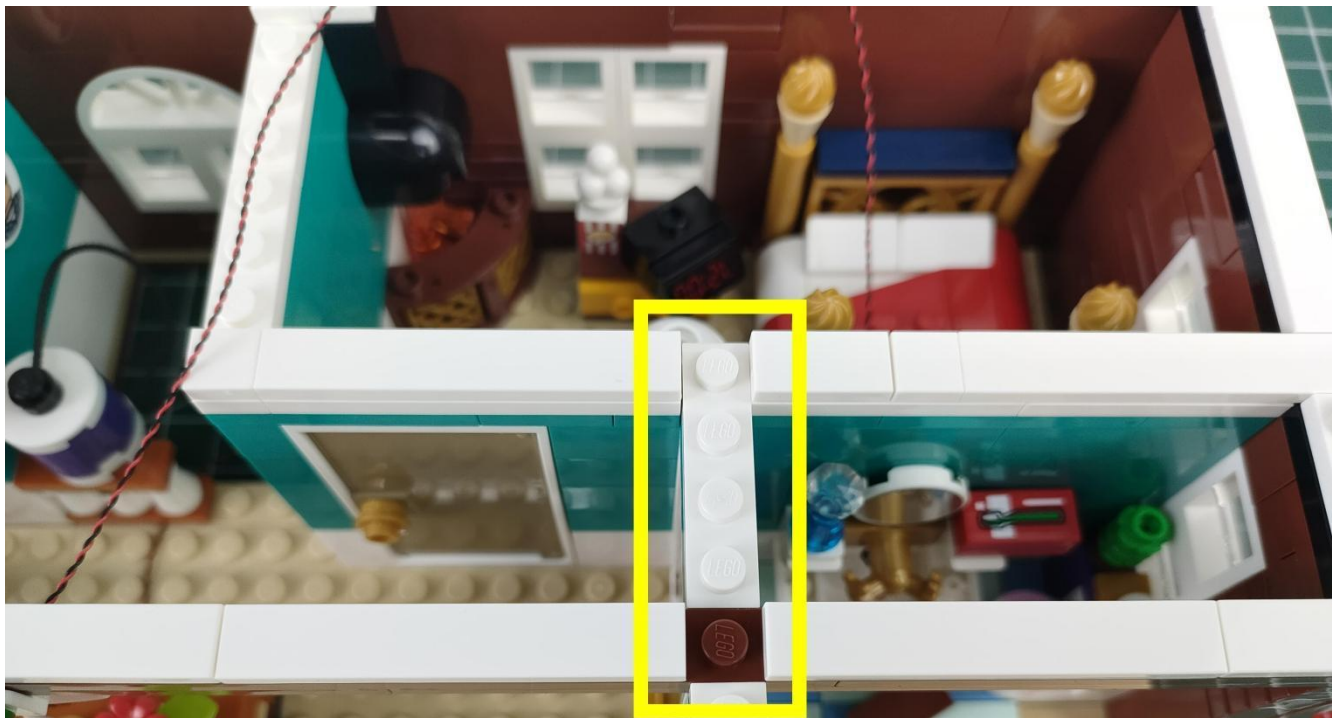




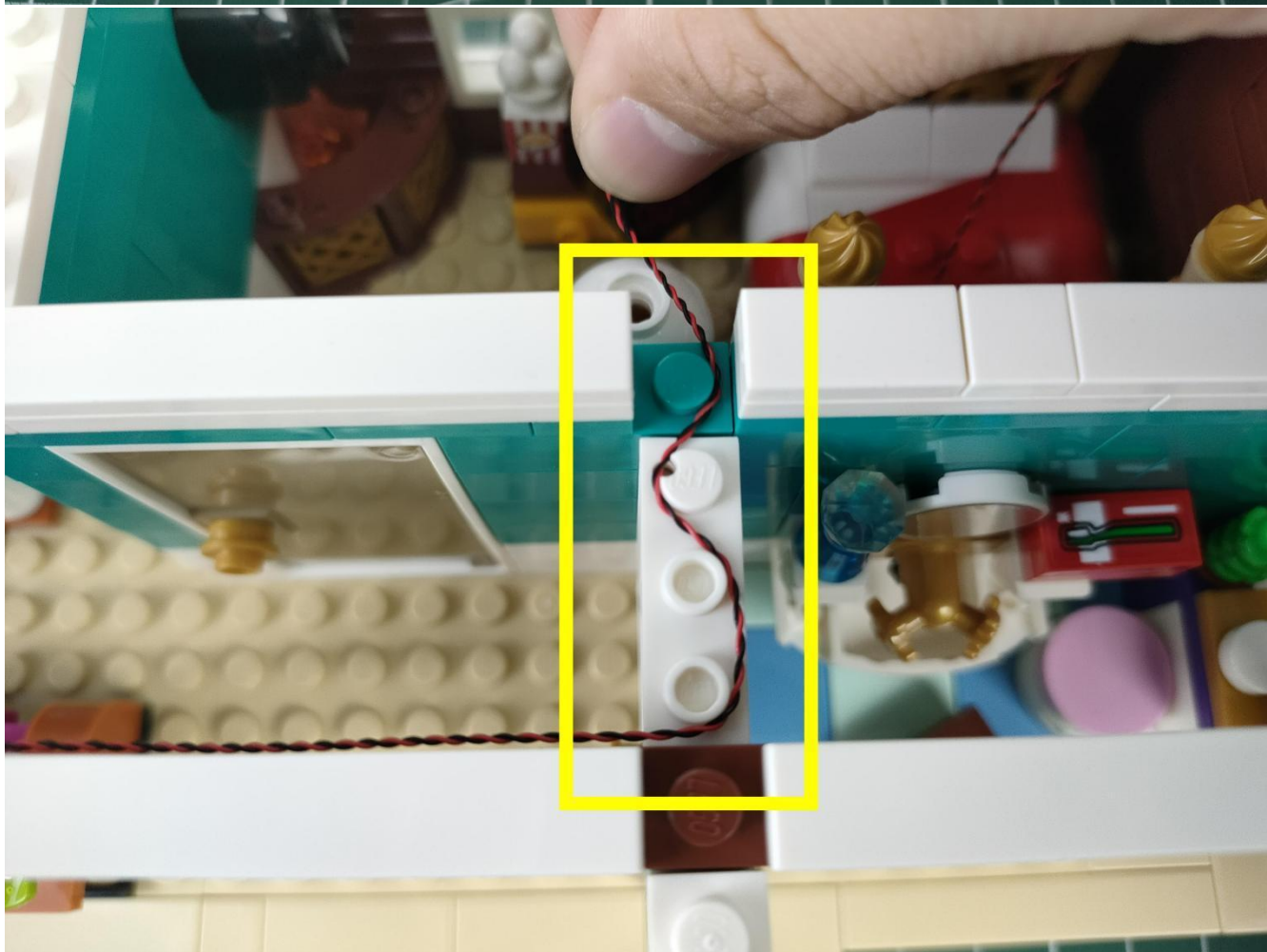




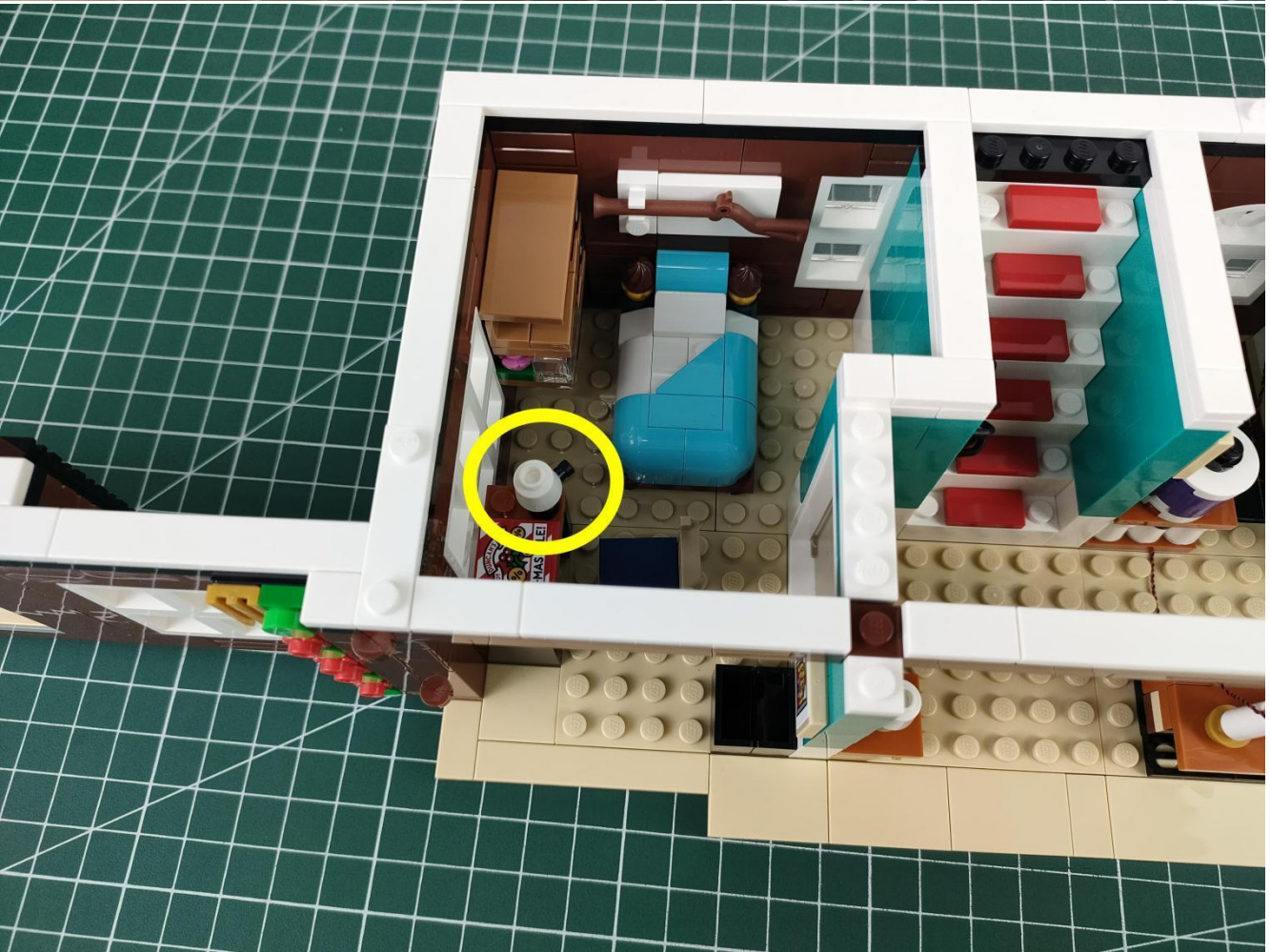
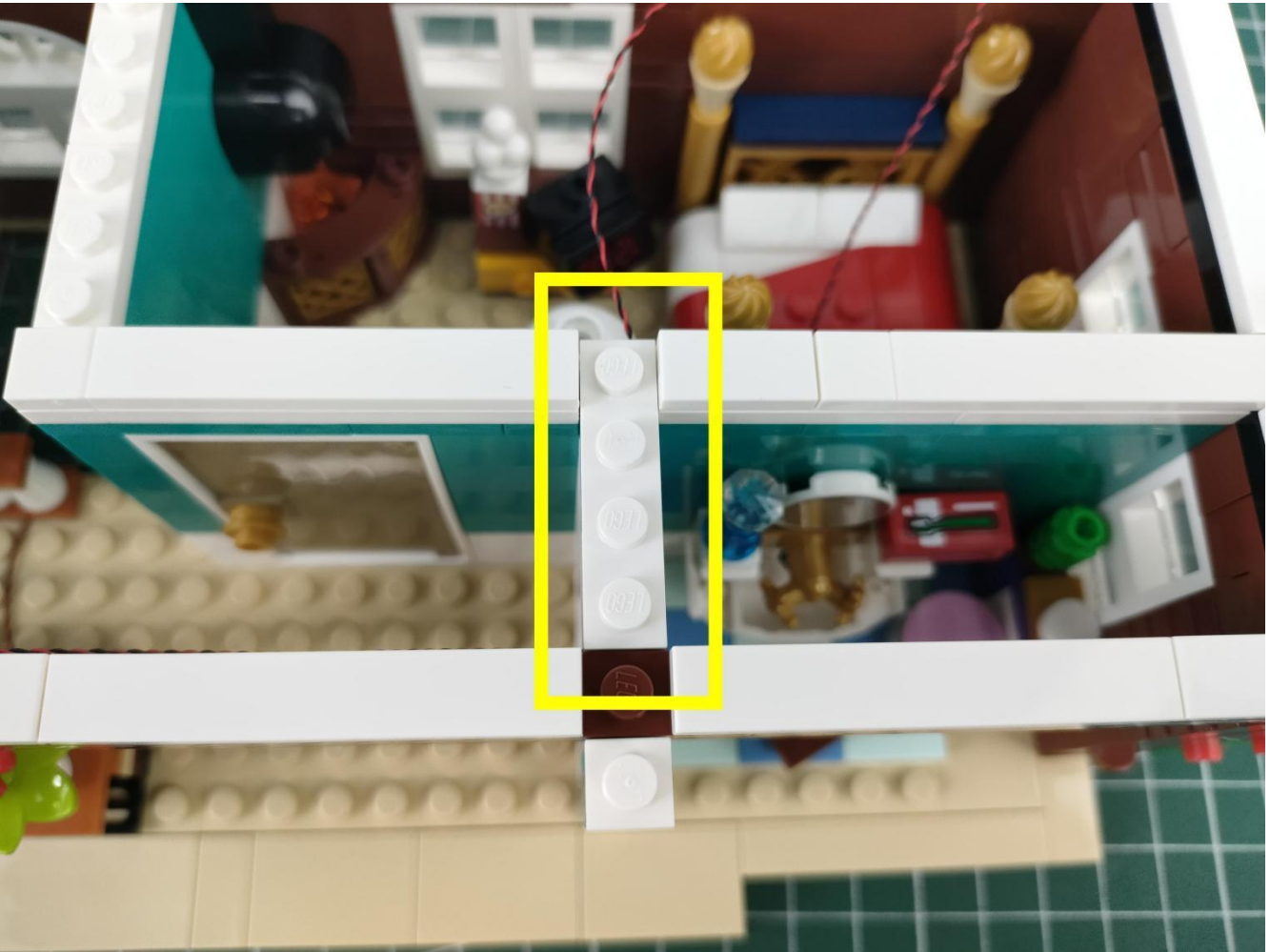




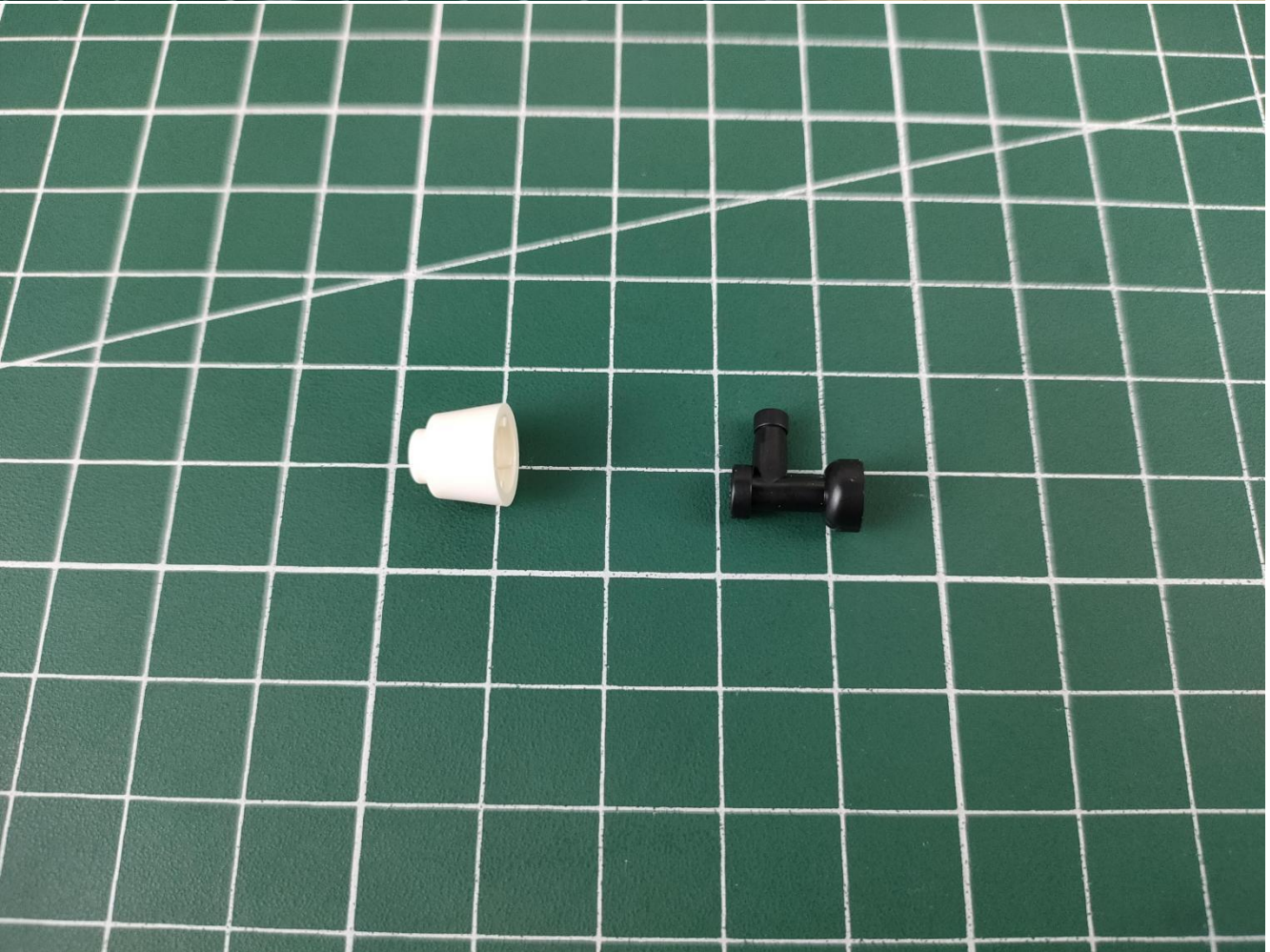
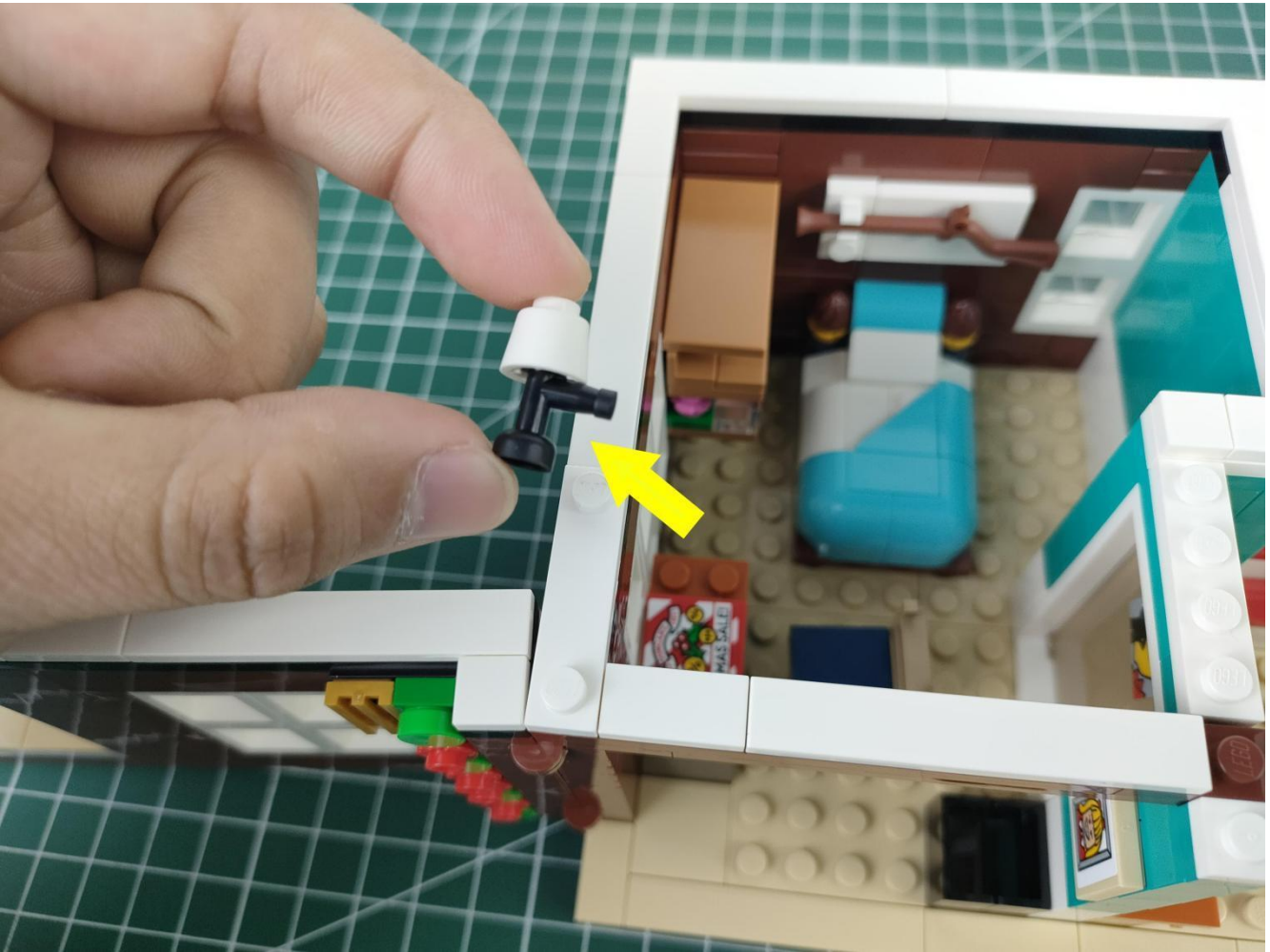








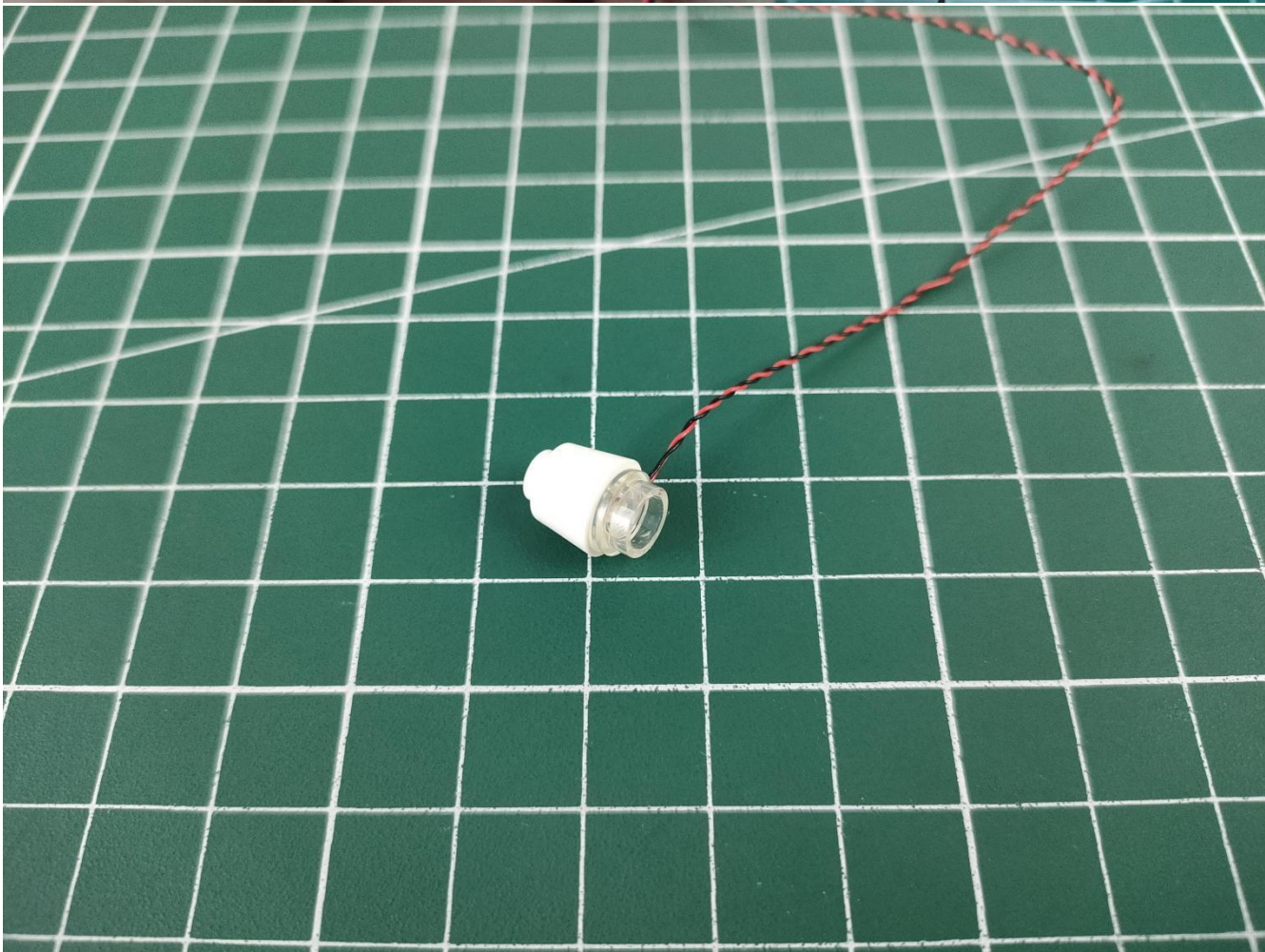




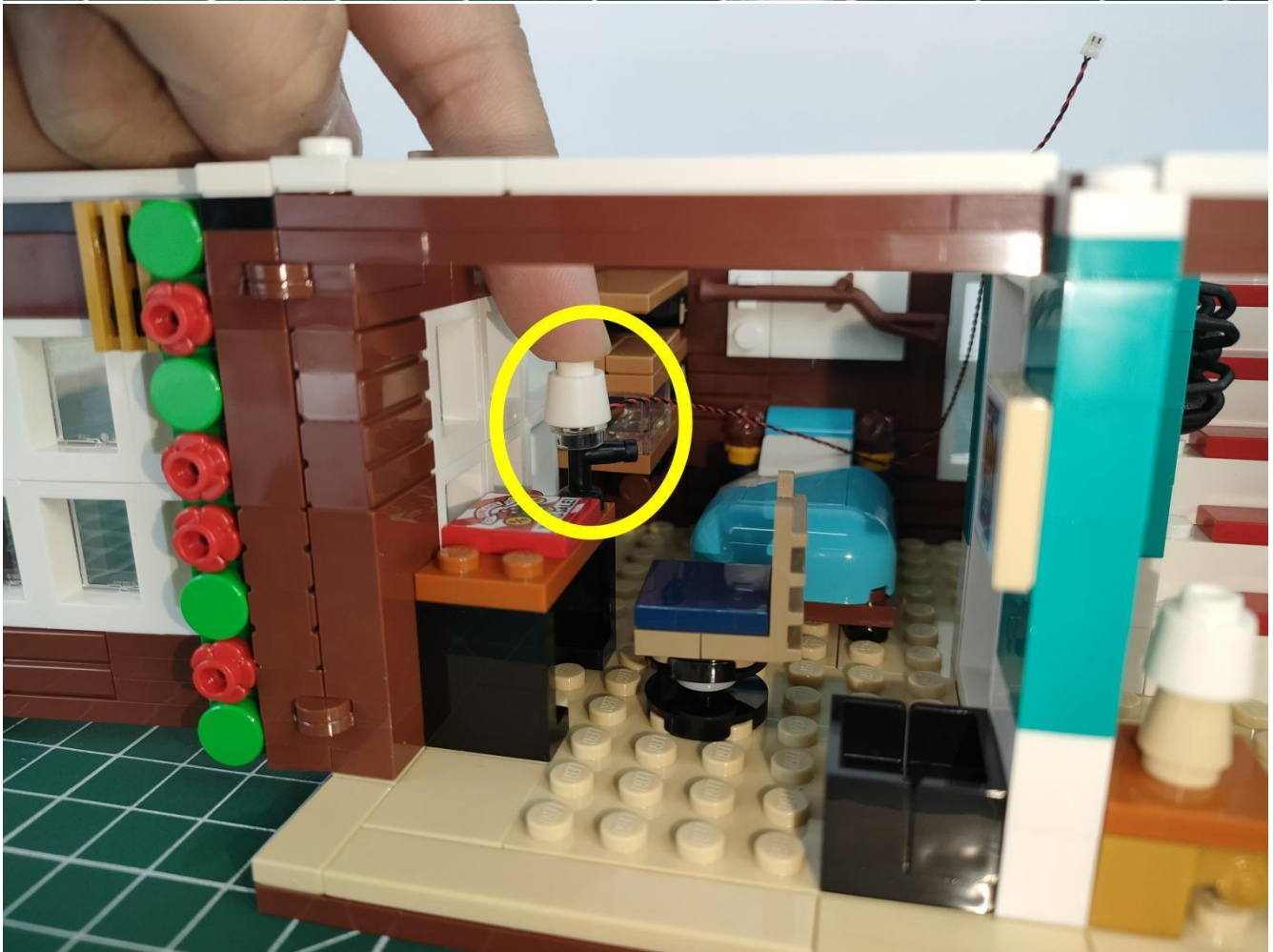
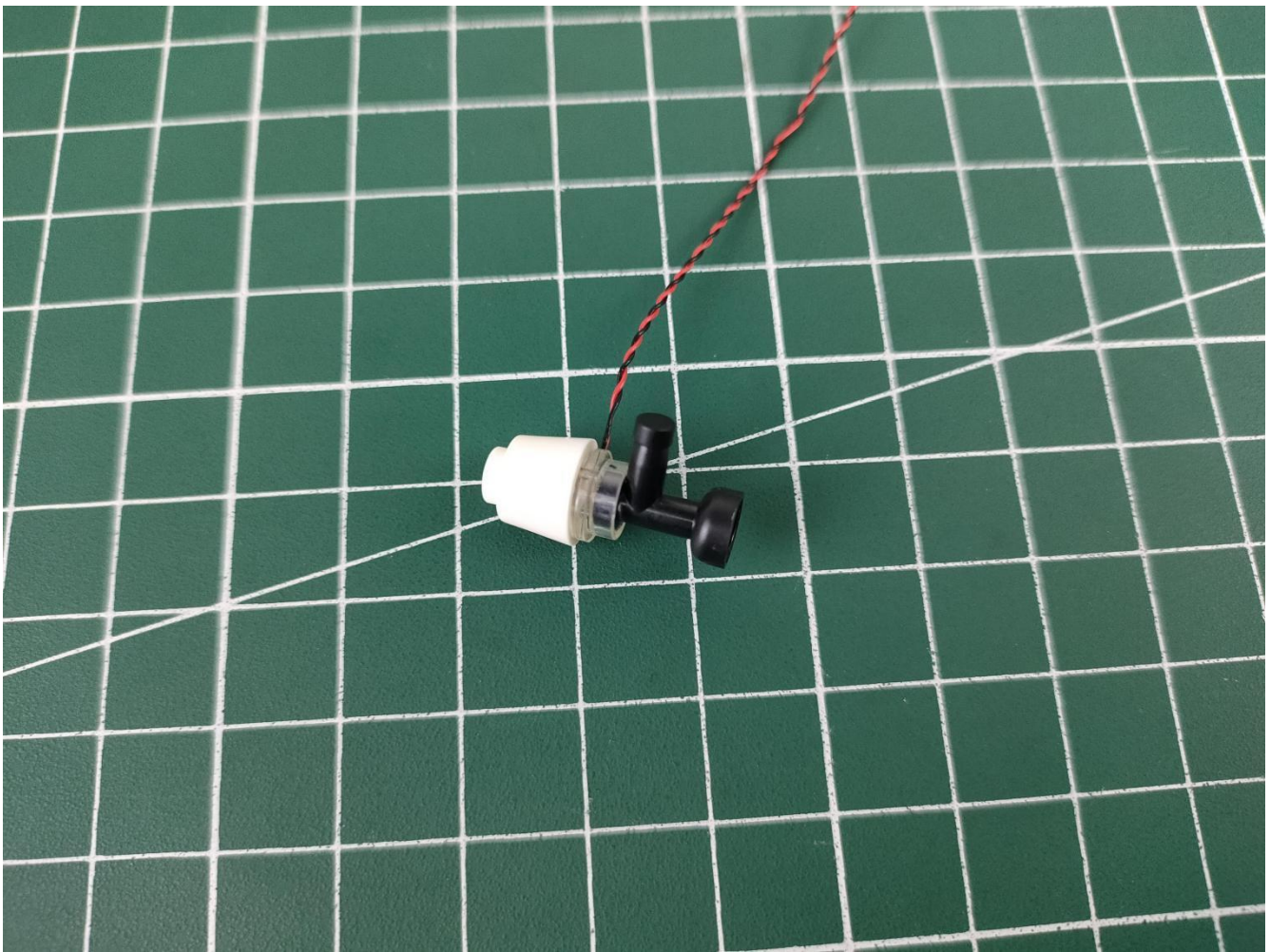




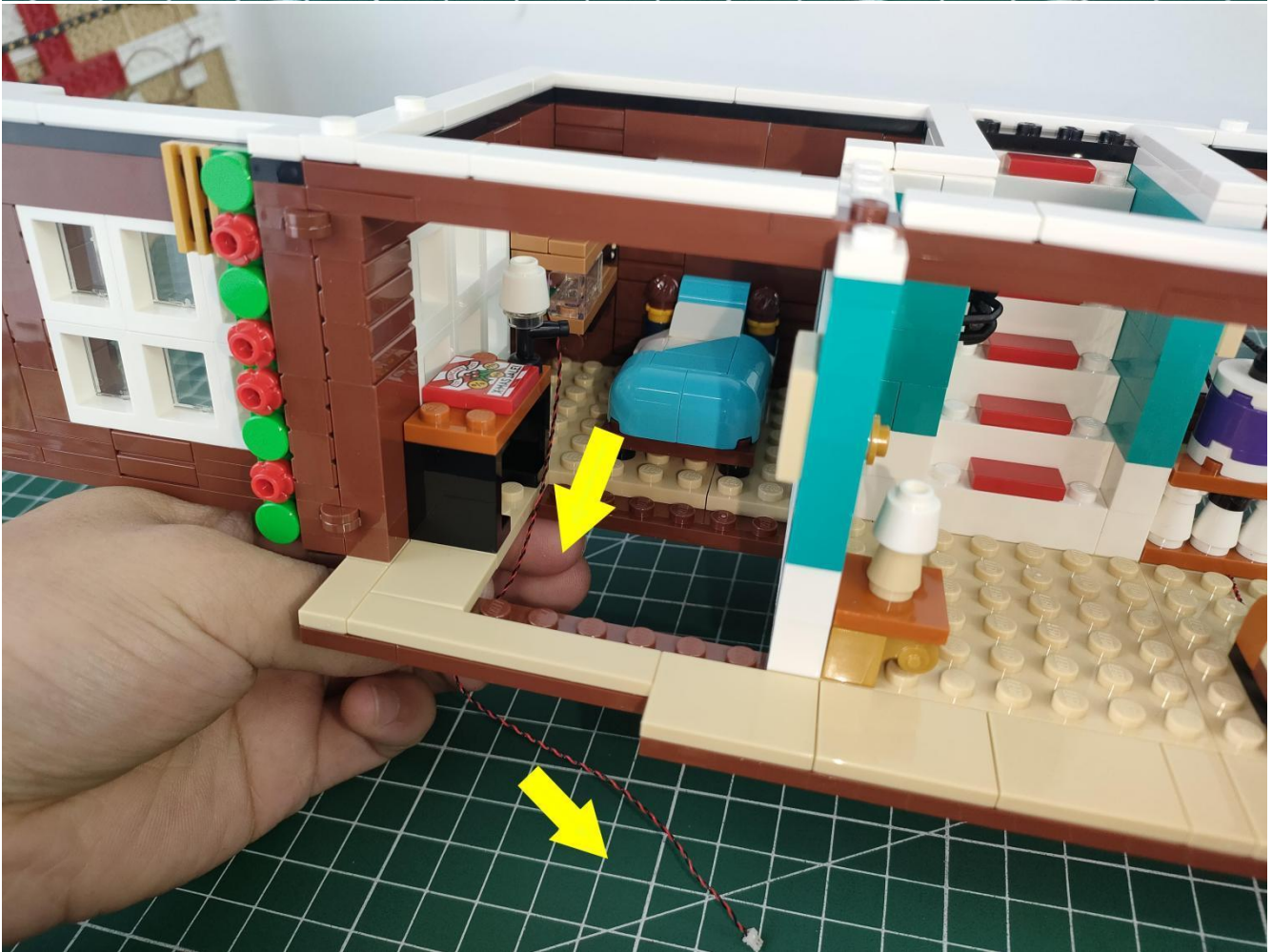
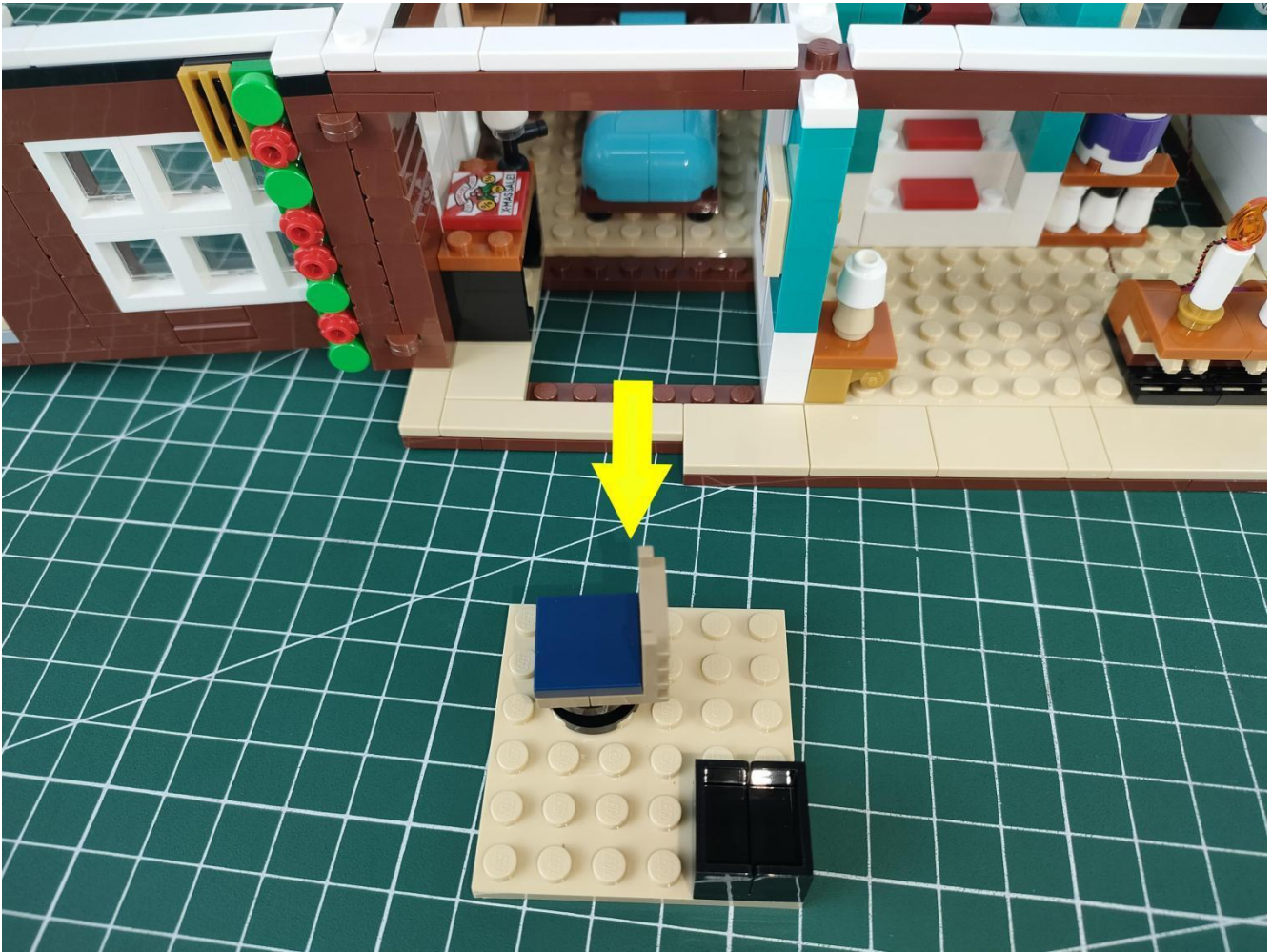




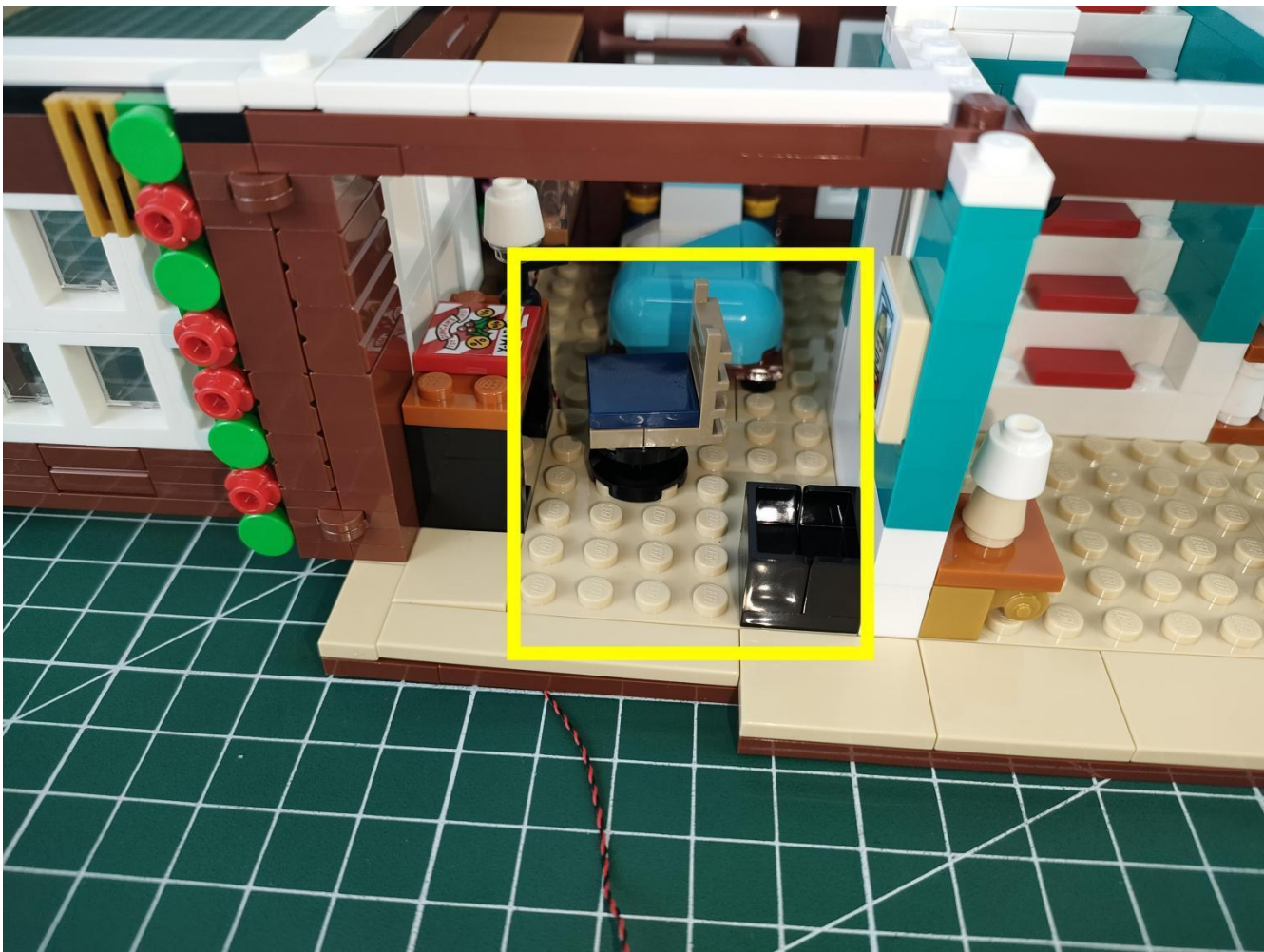








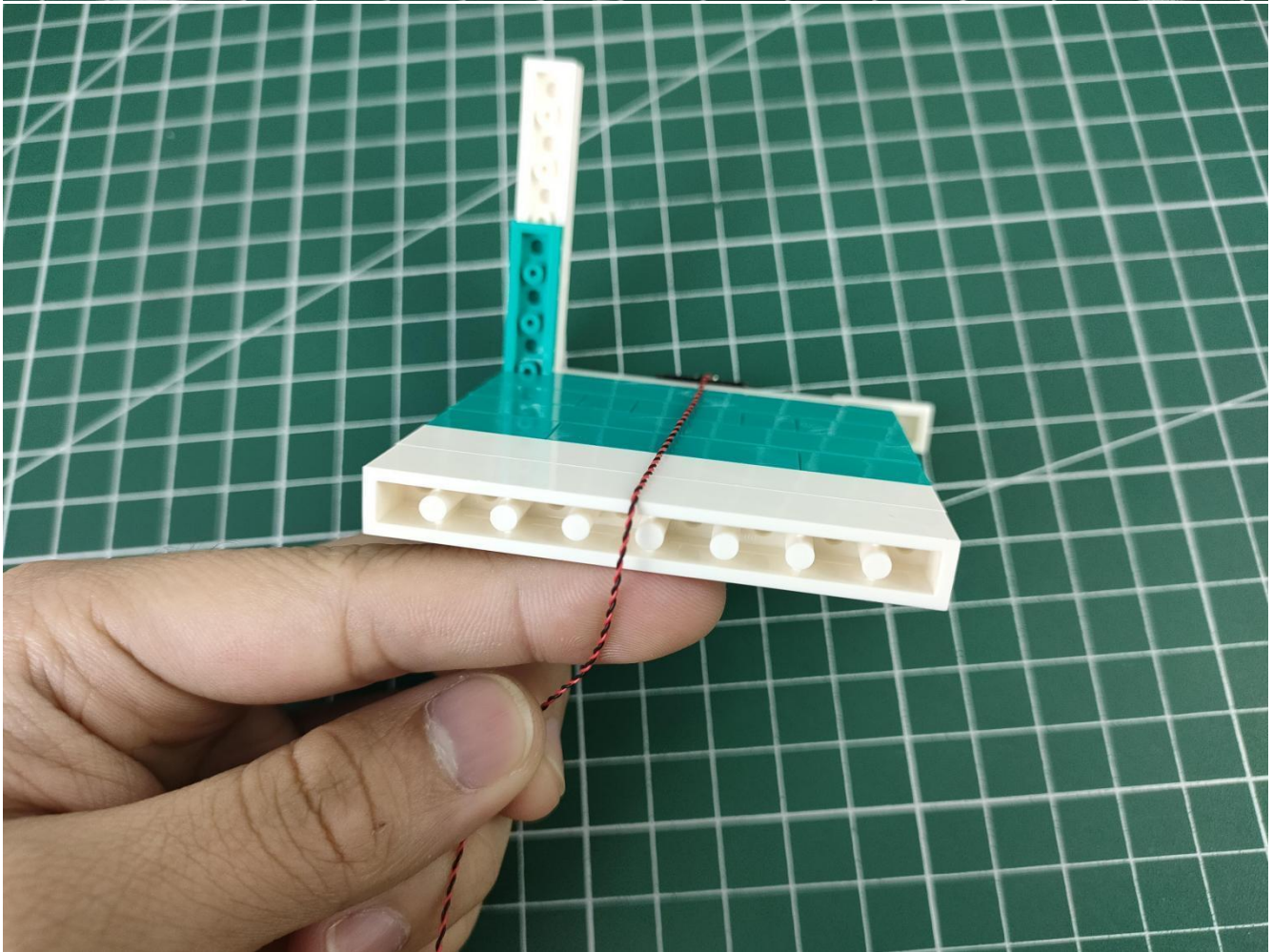
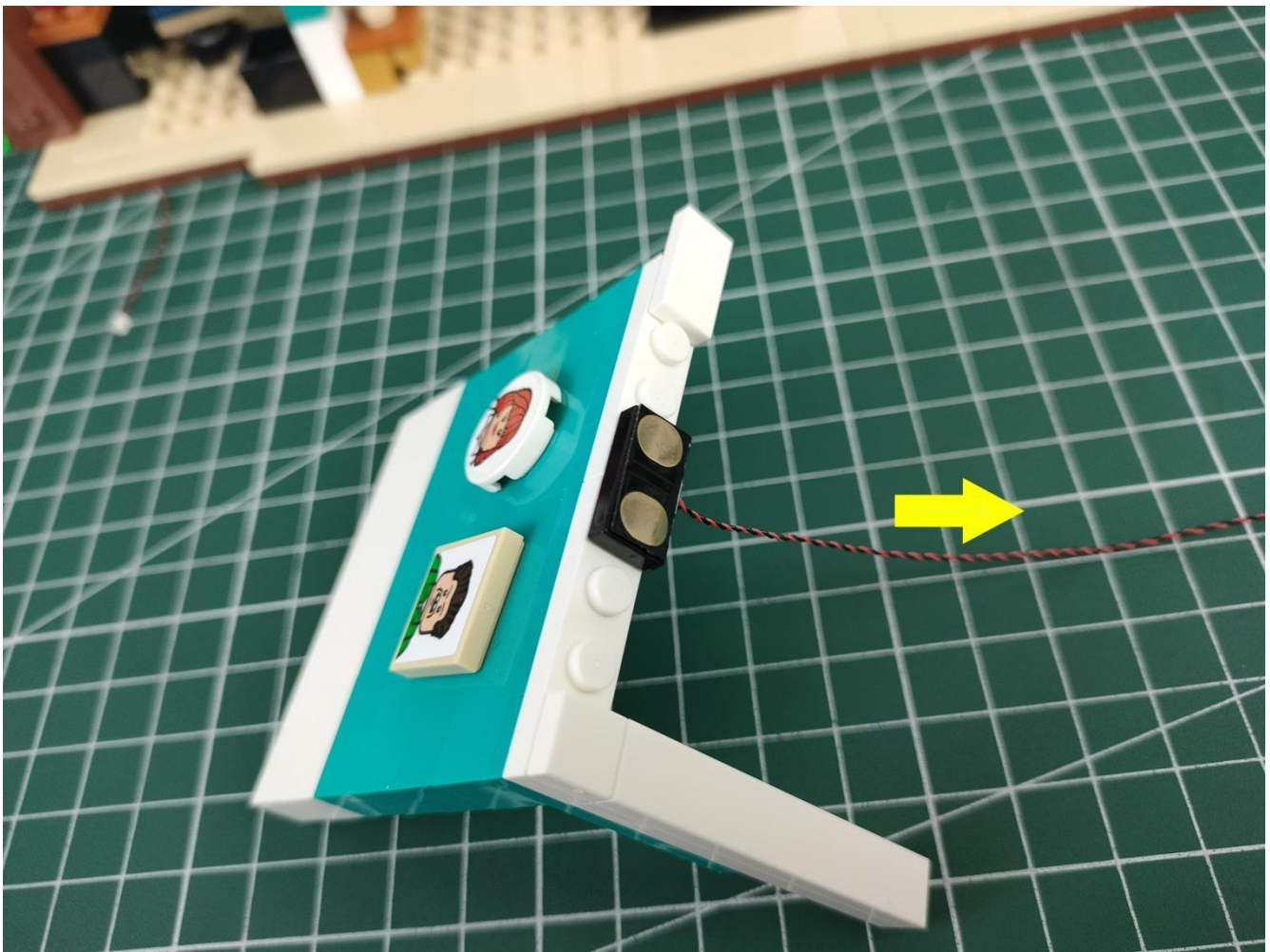




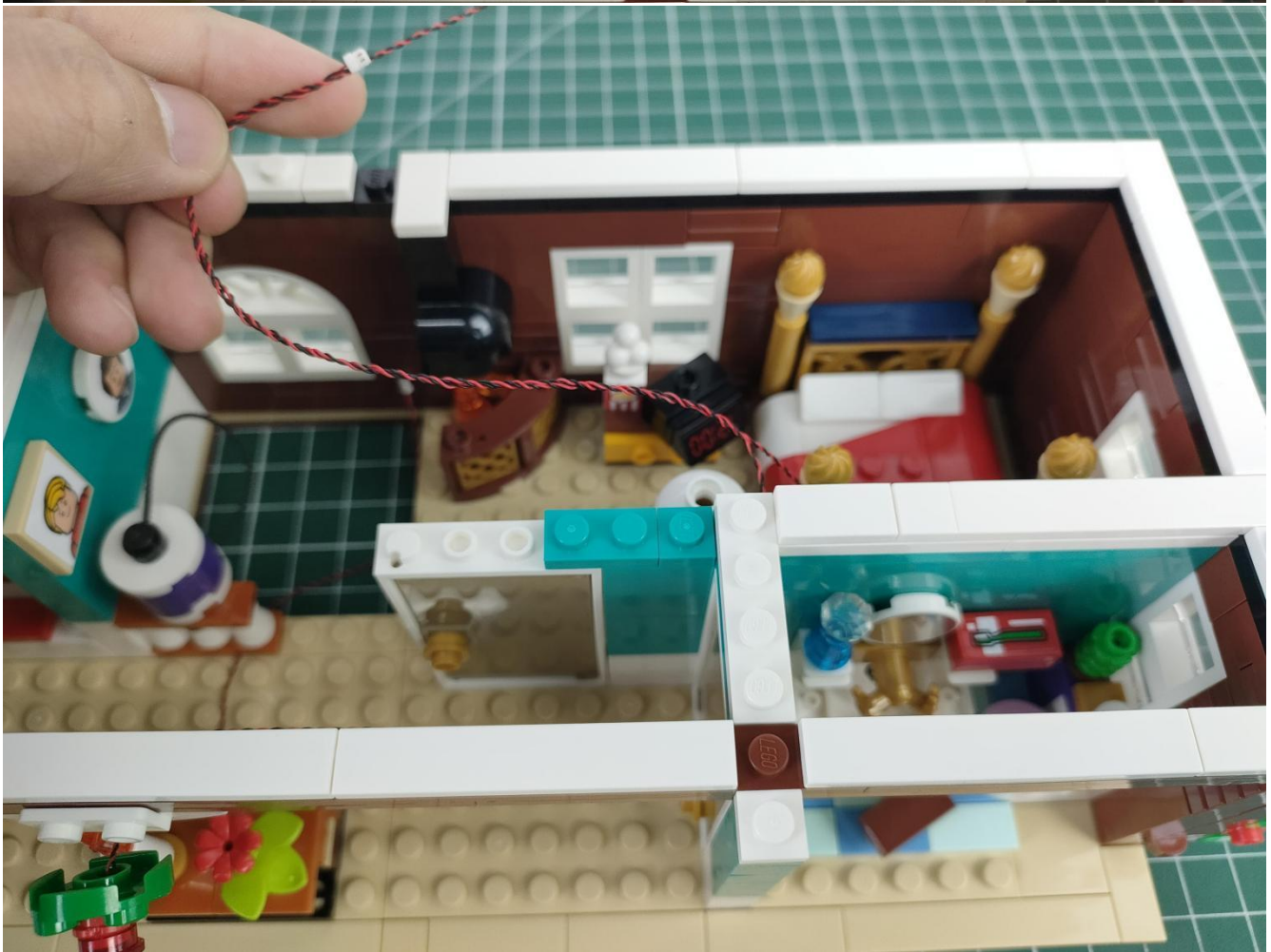
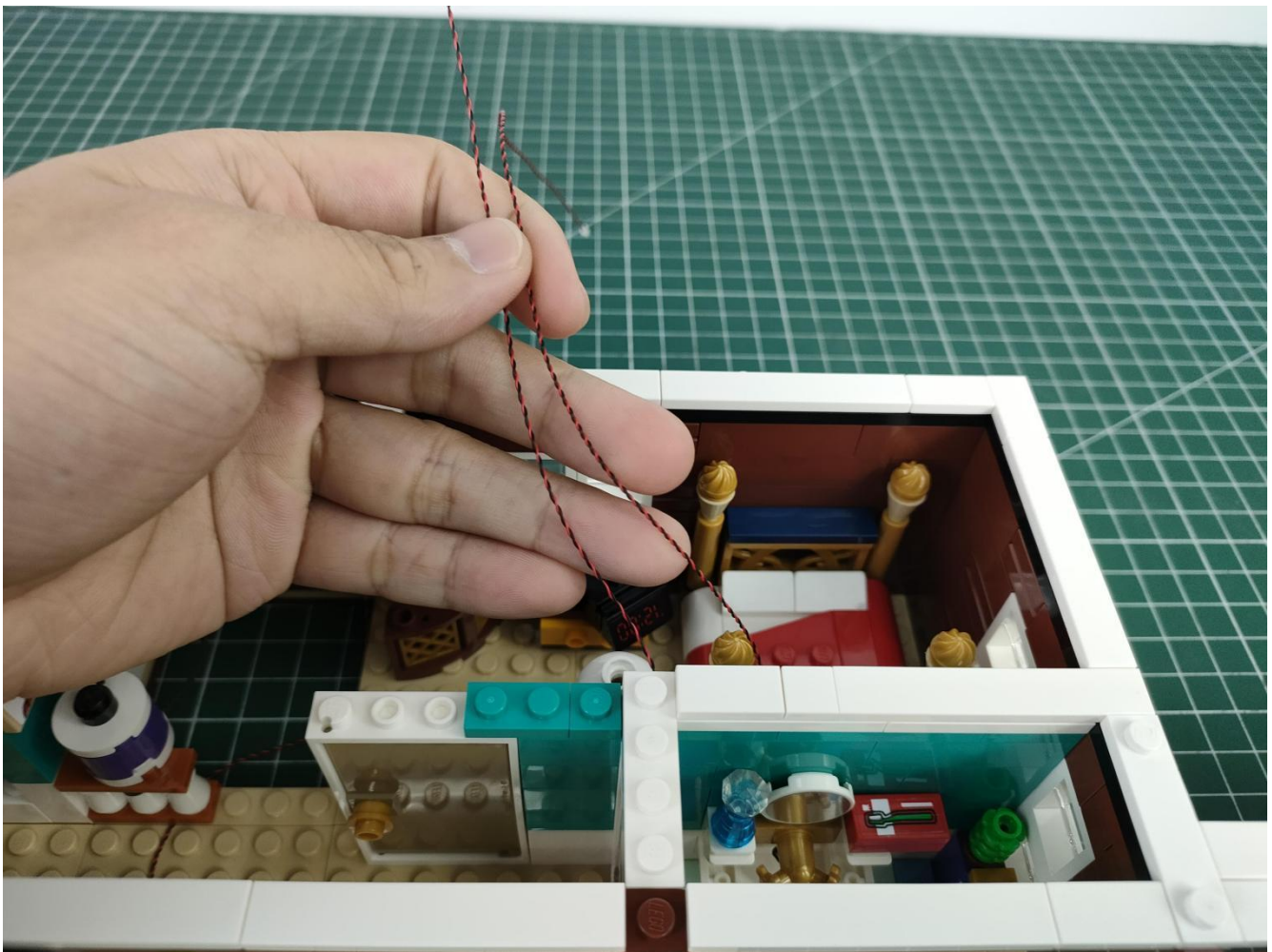




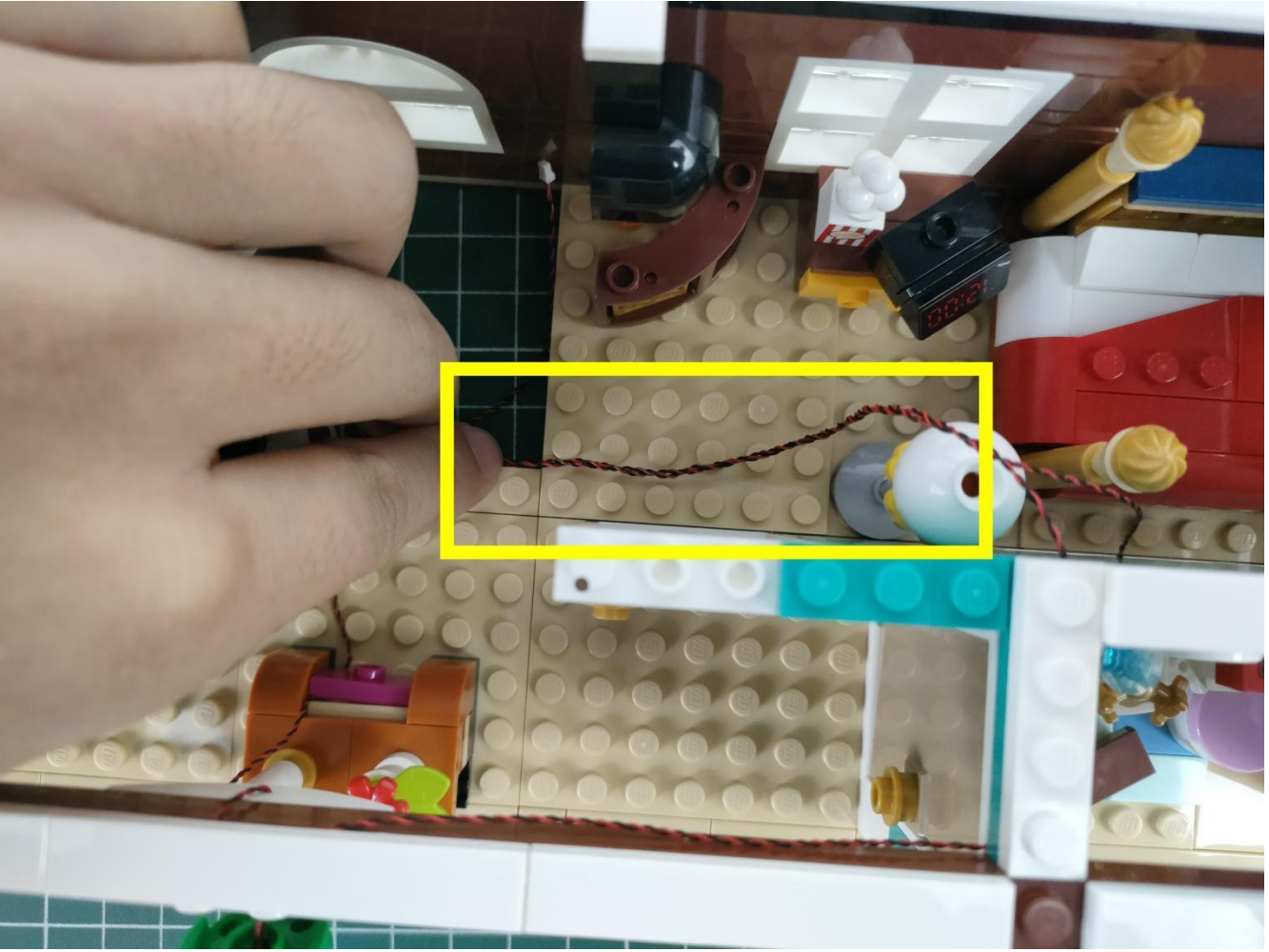




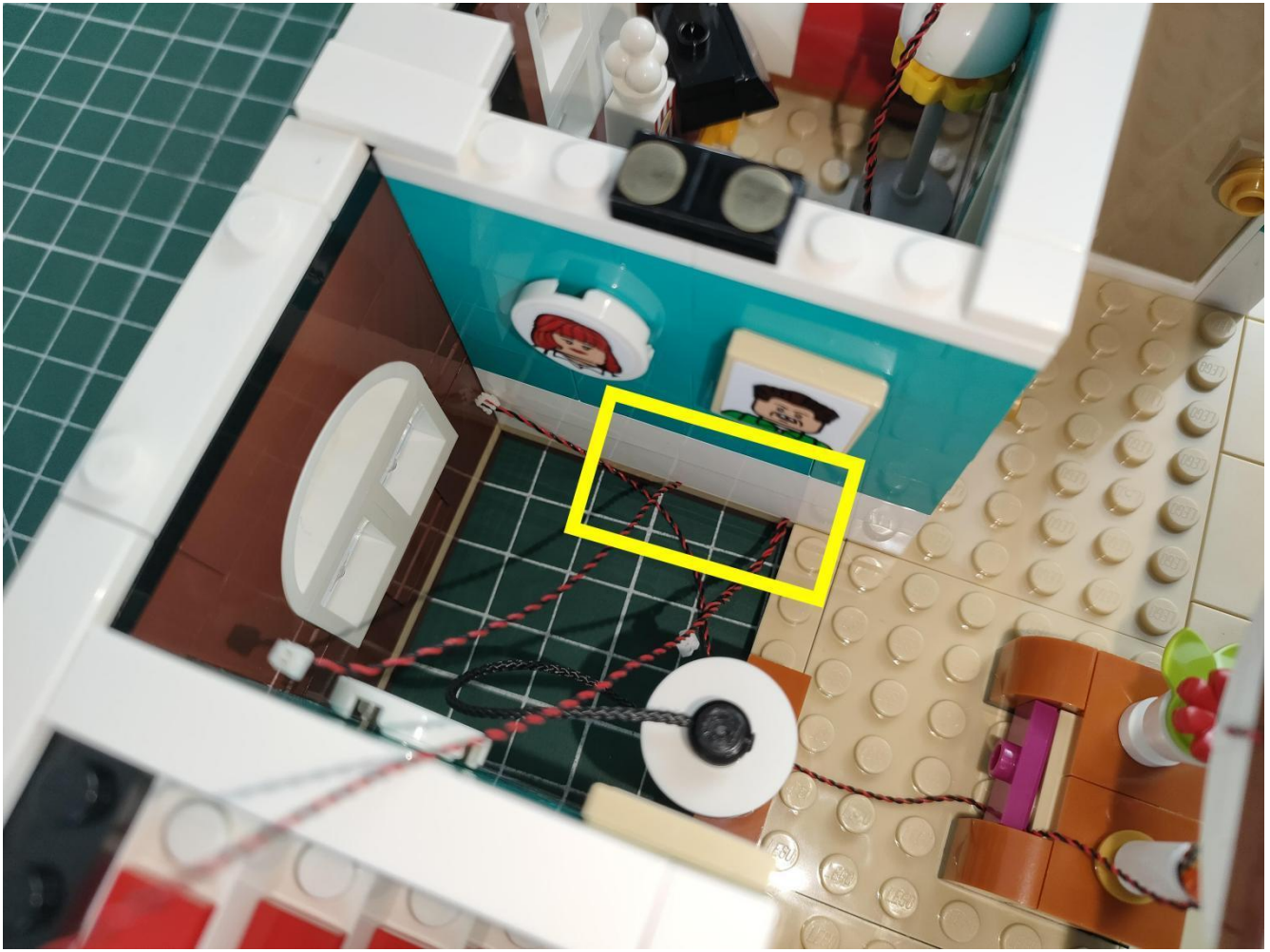










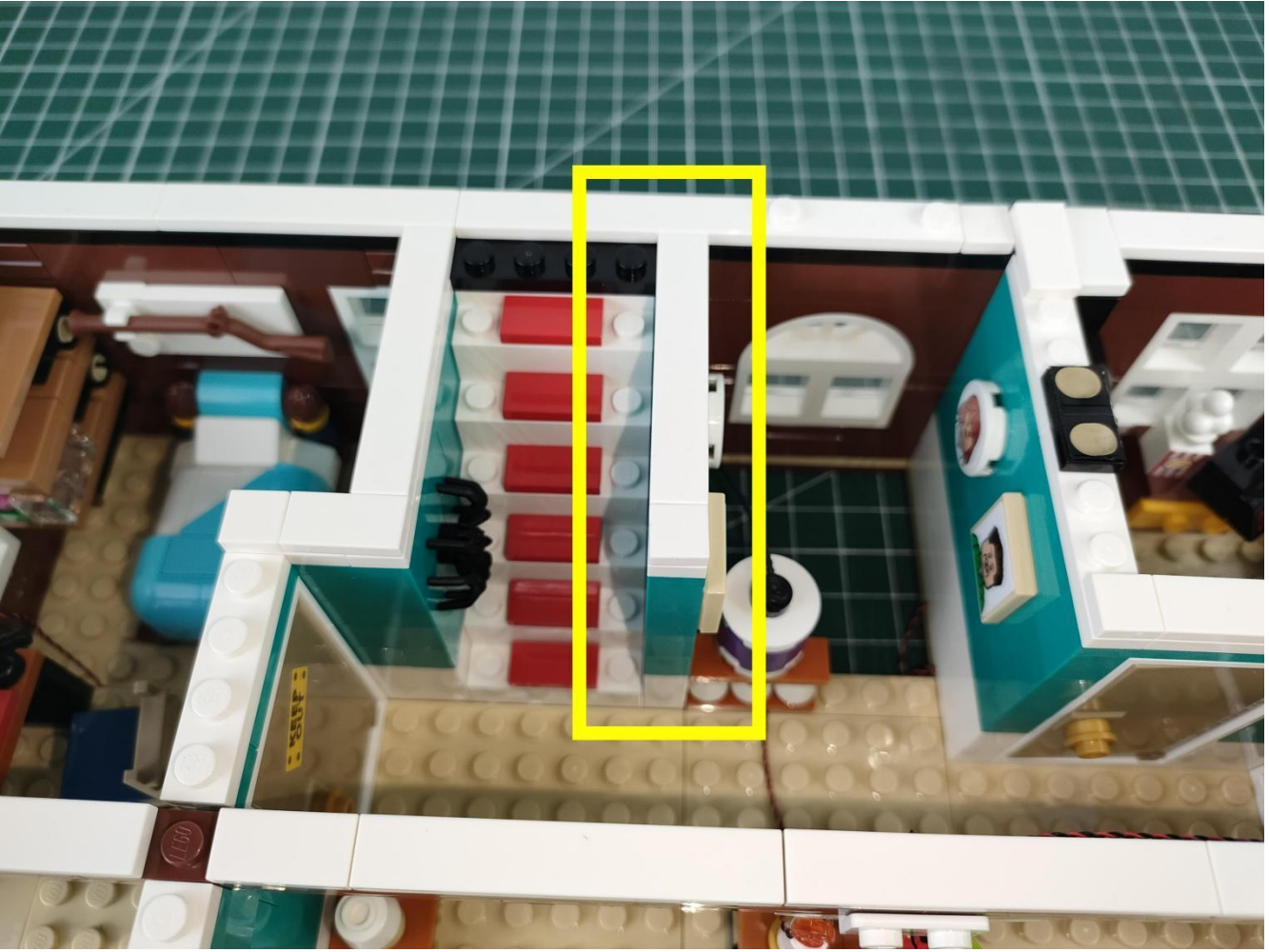




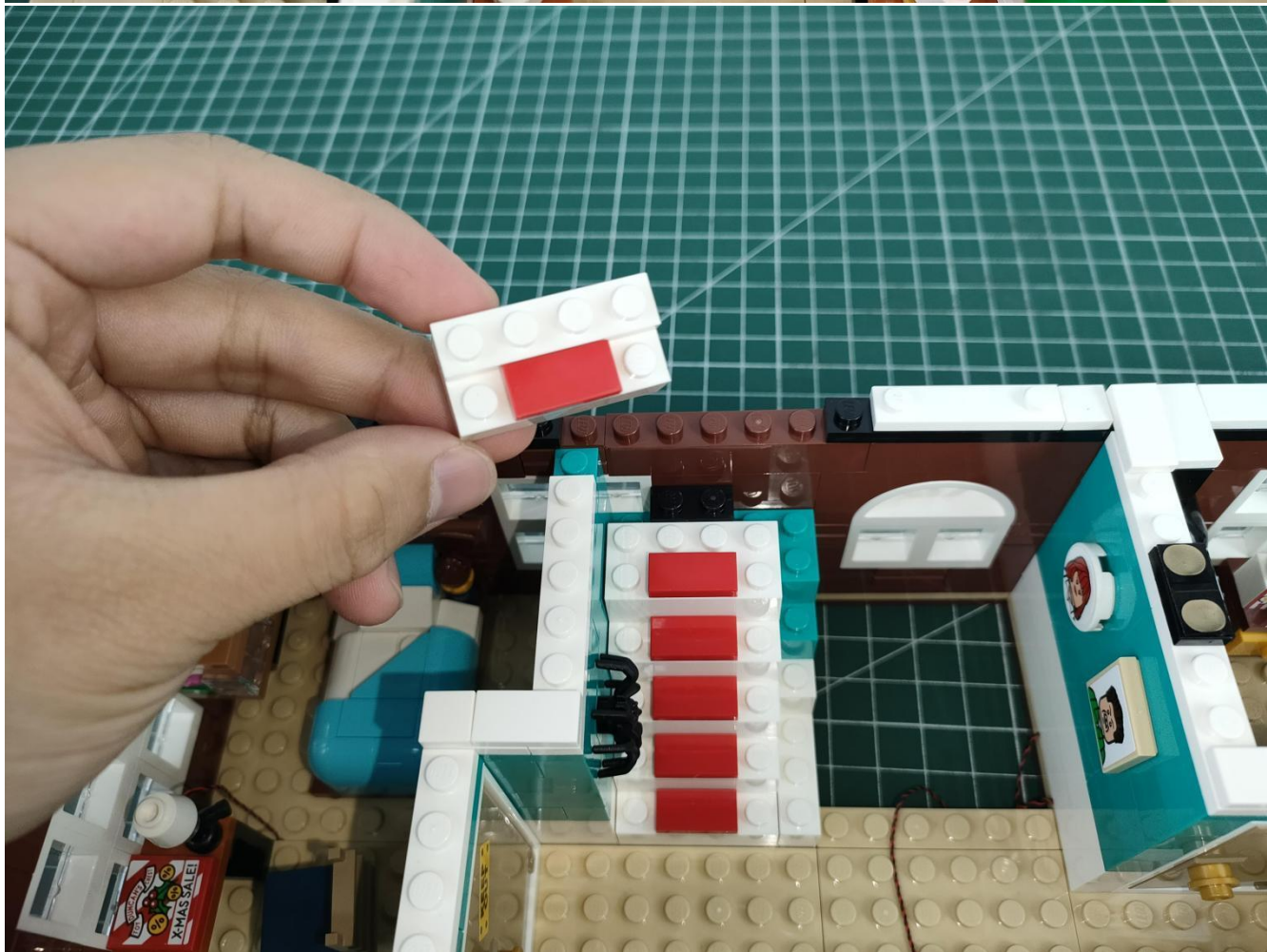
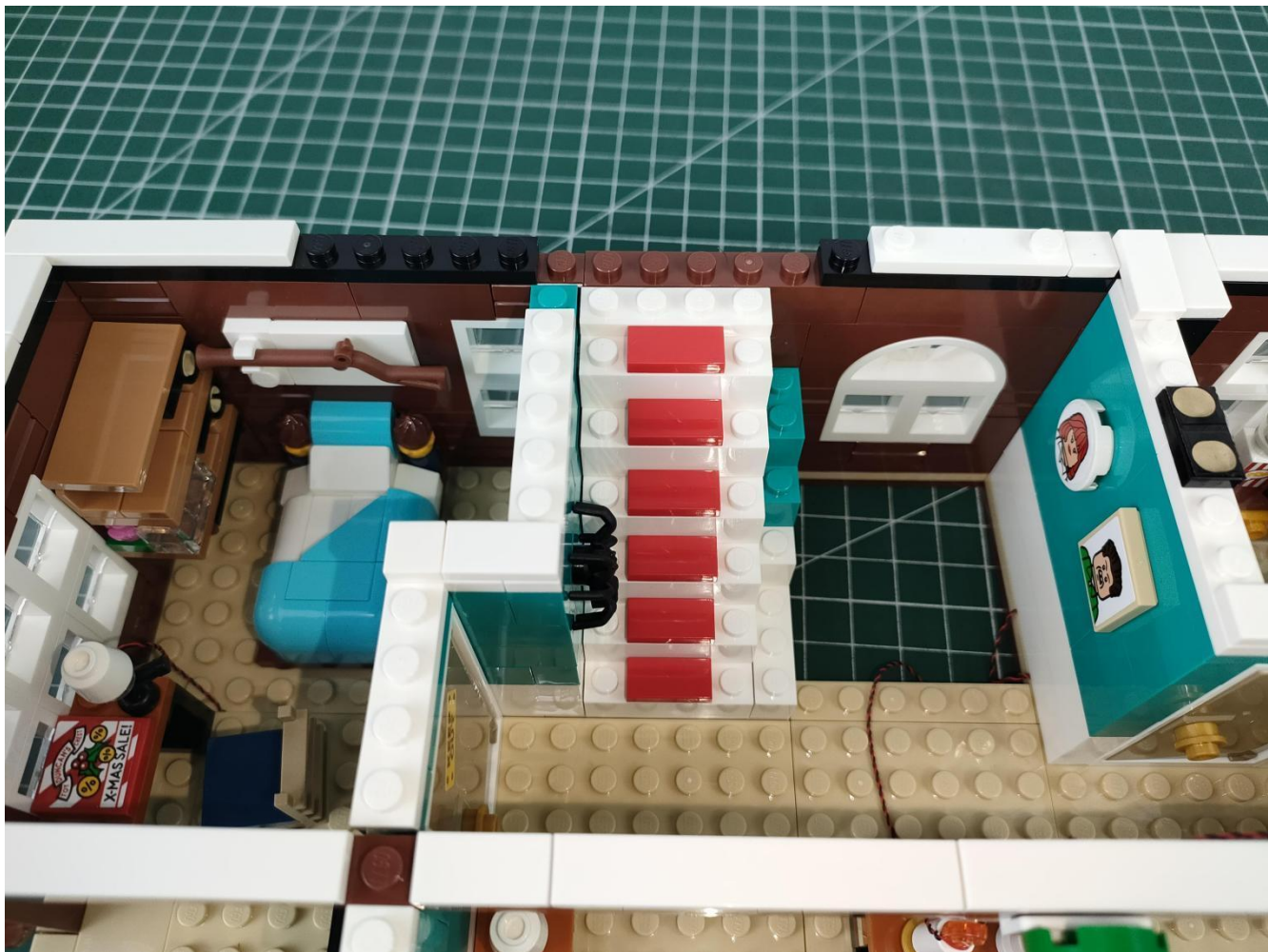
**Pull the wires all down.**



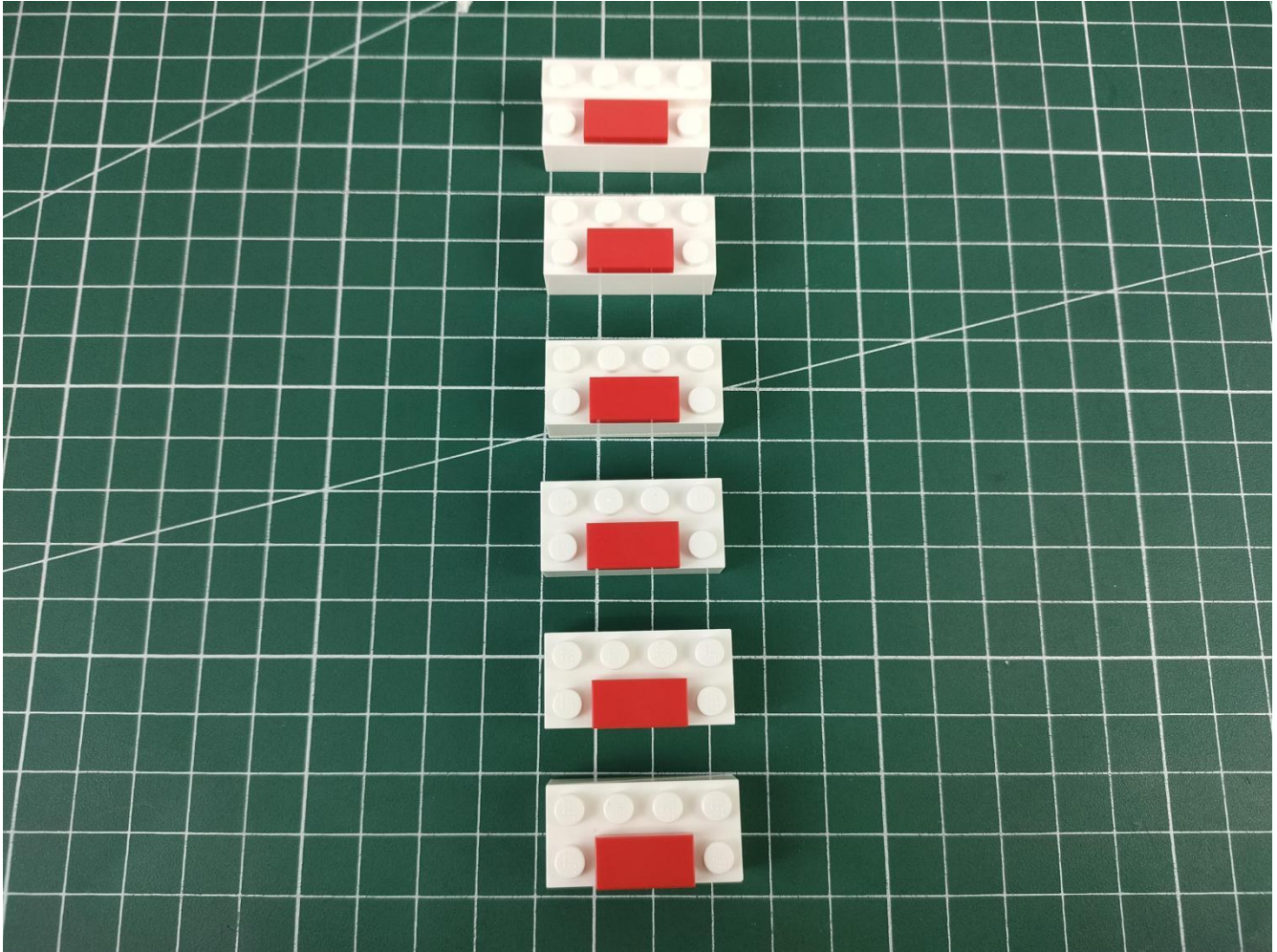




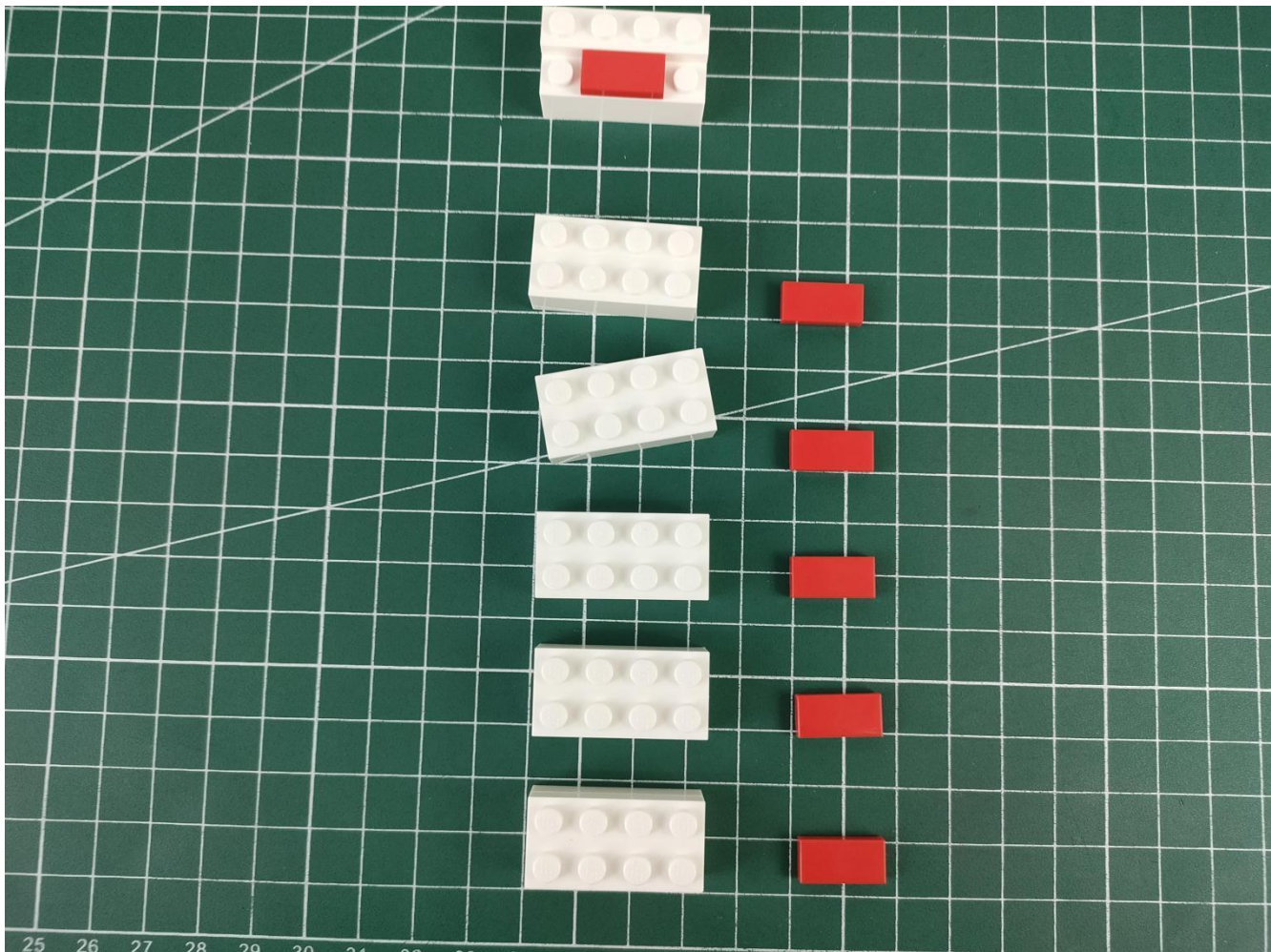




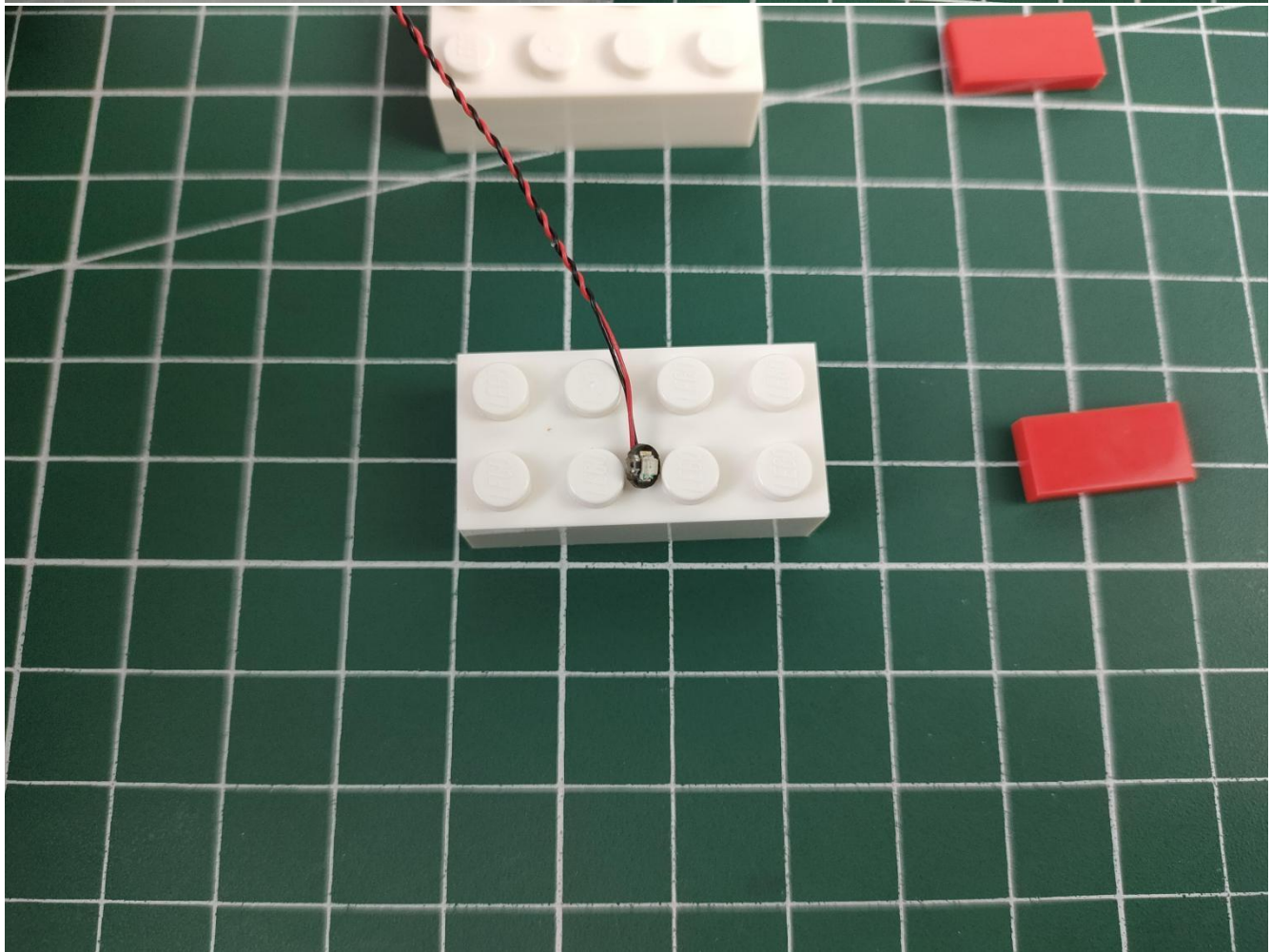




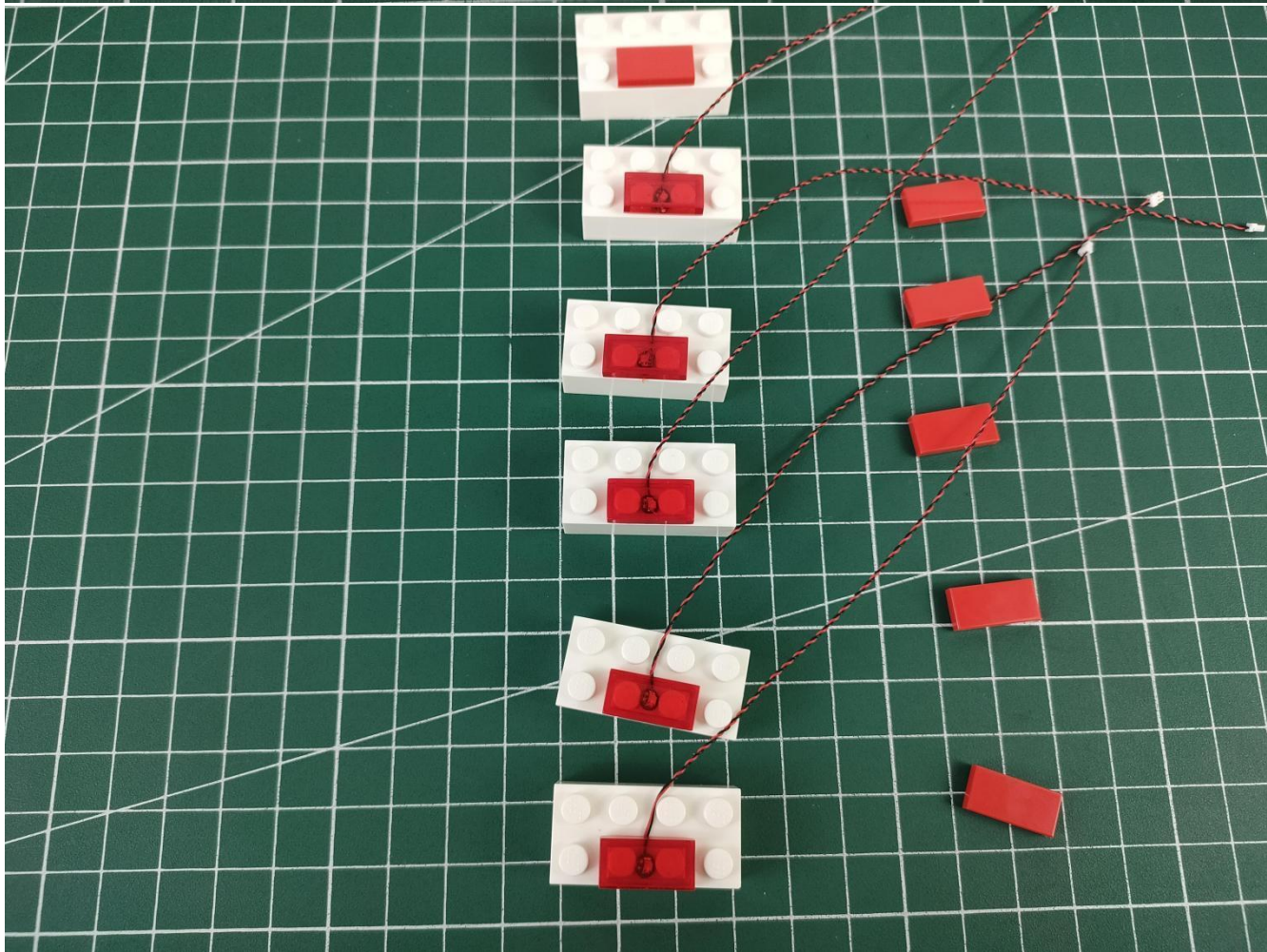
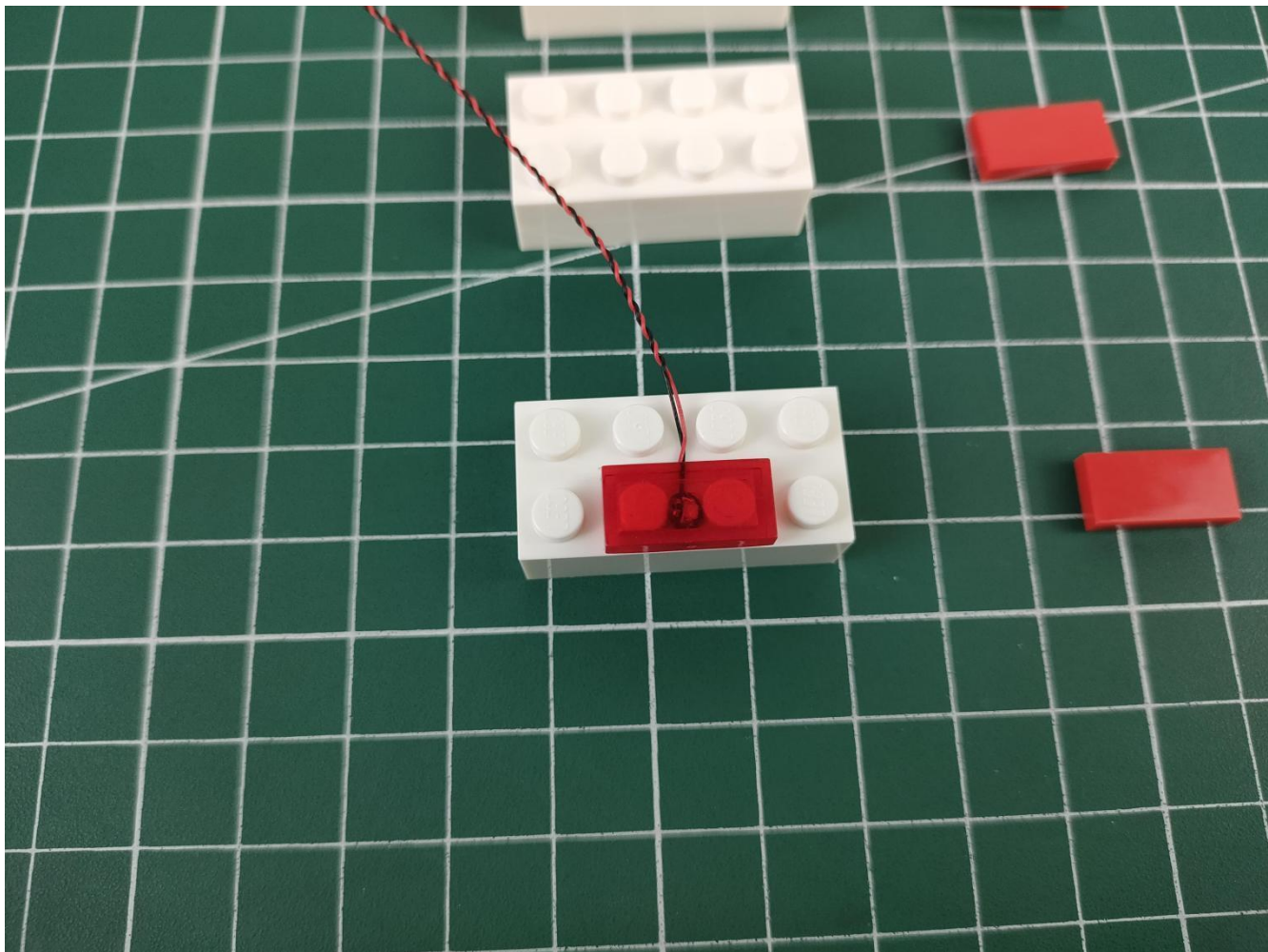




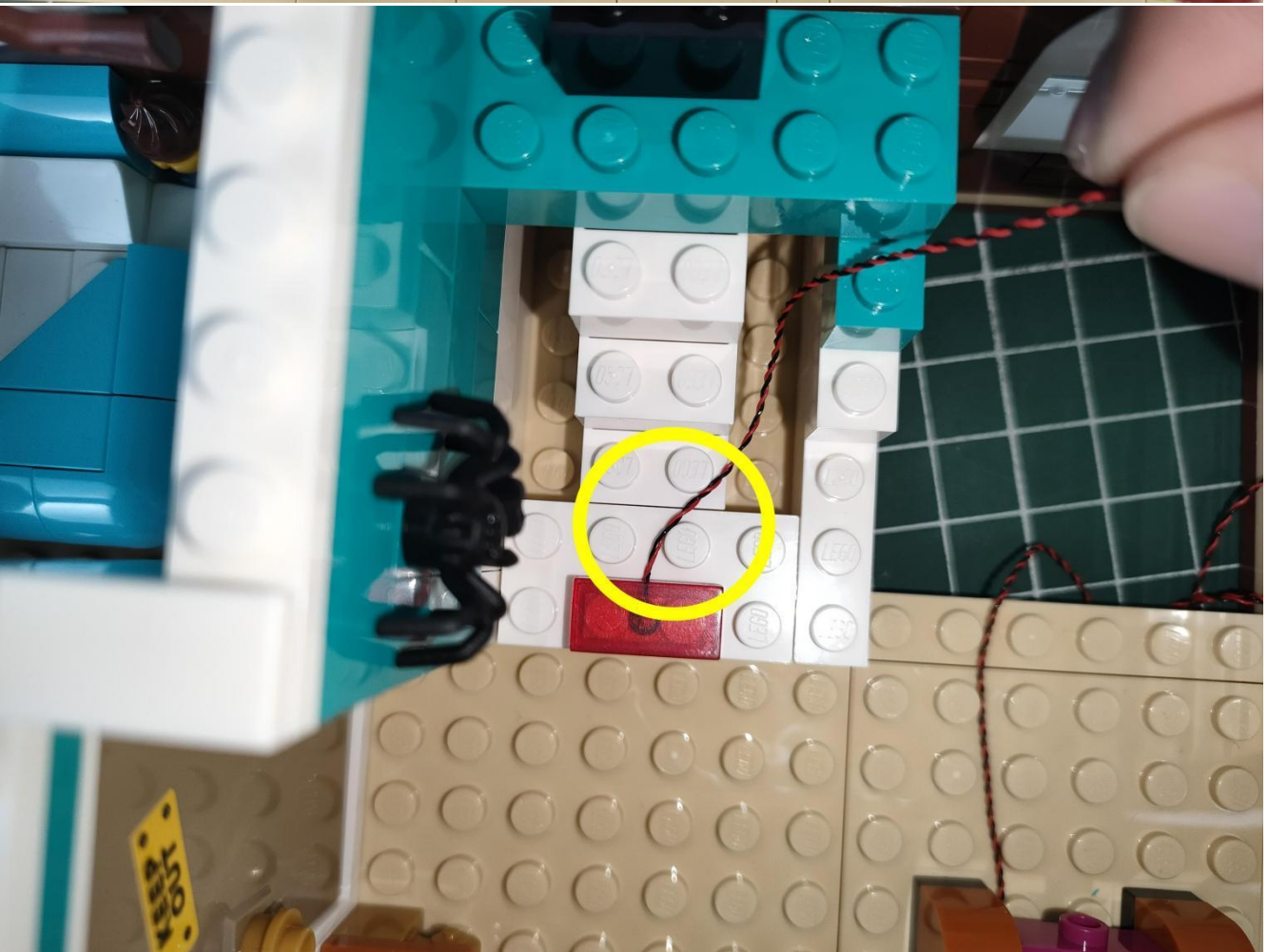
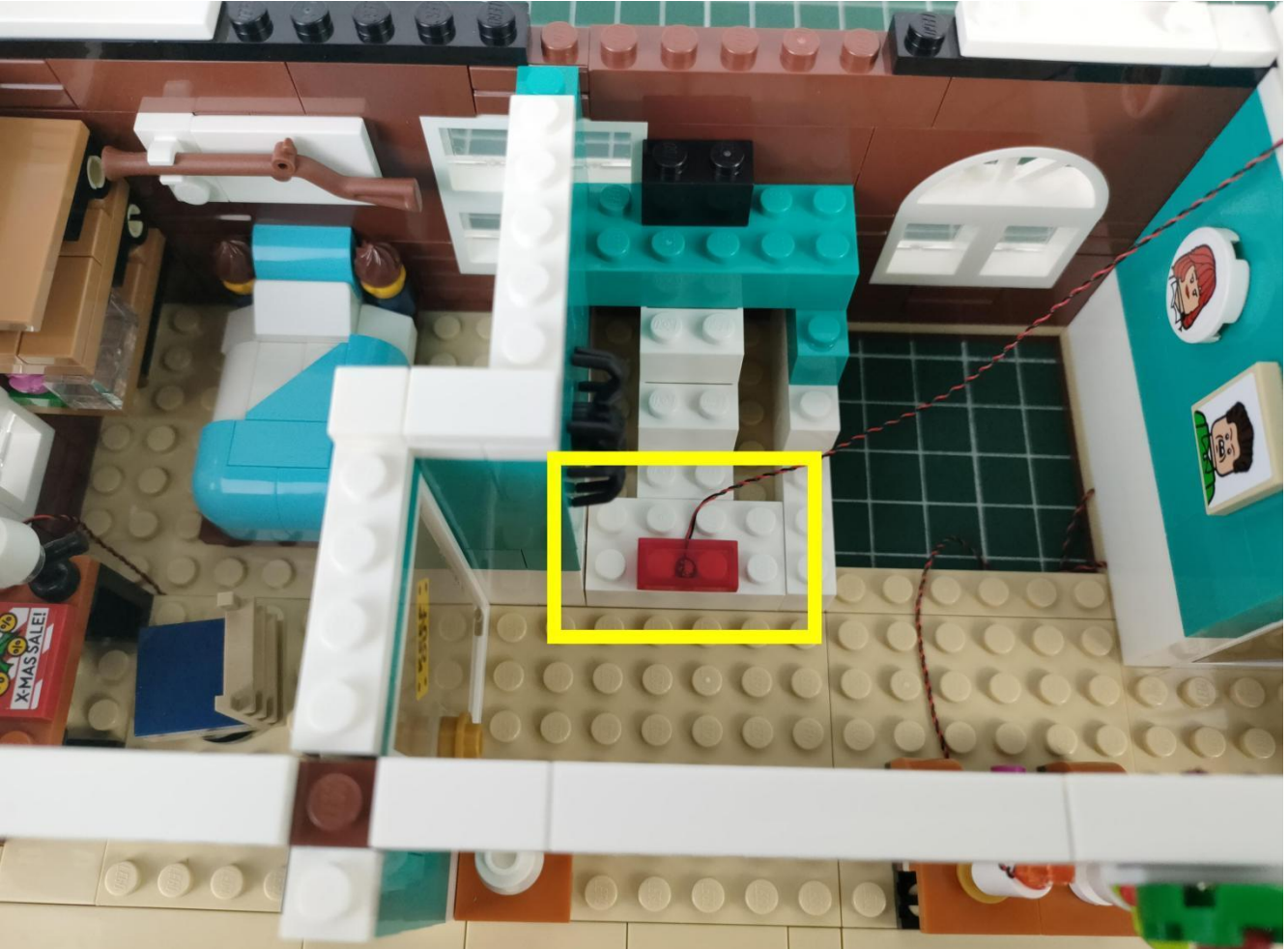




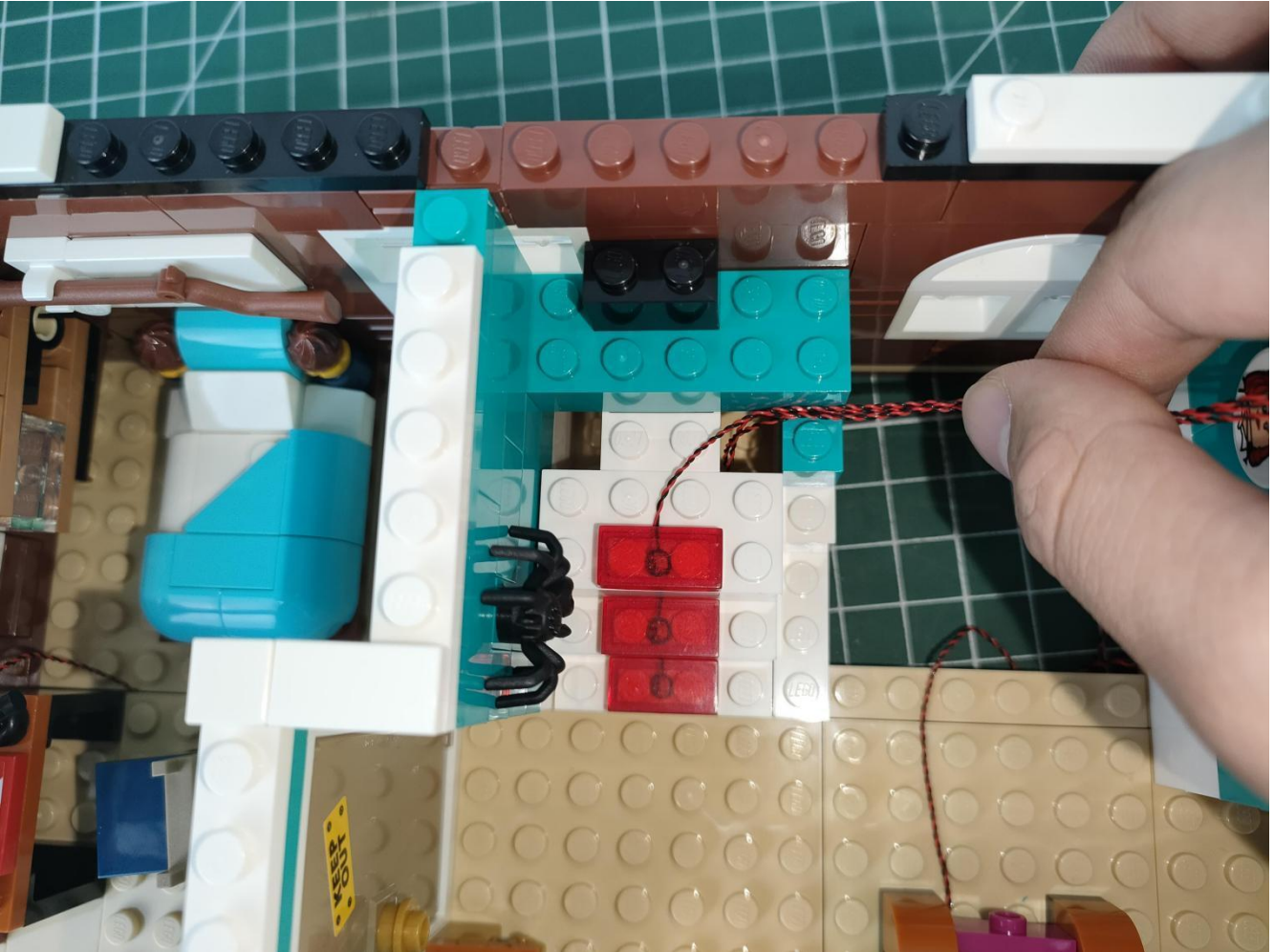
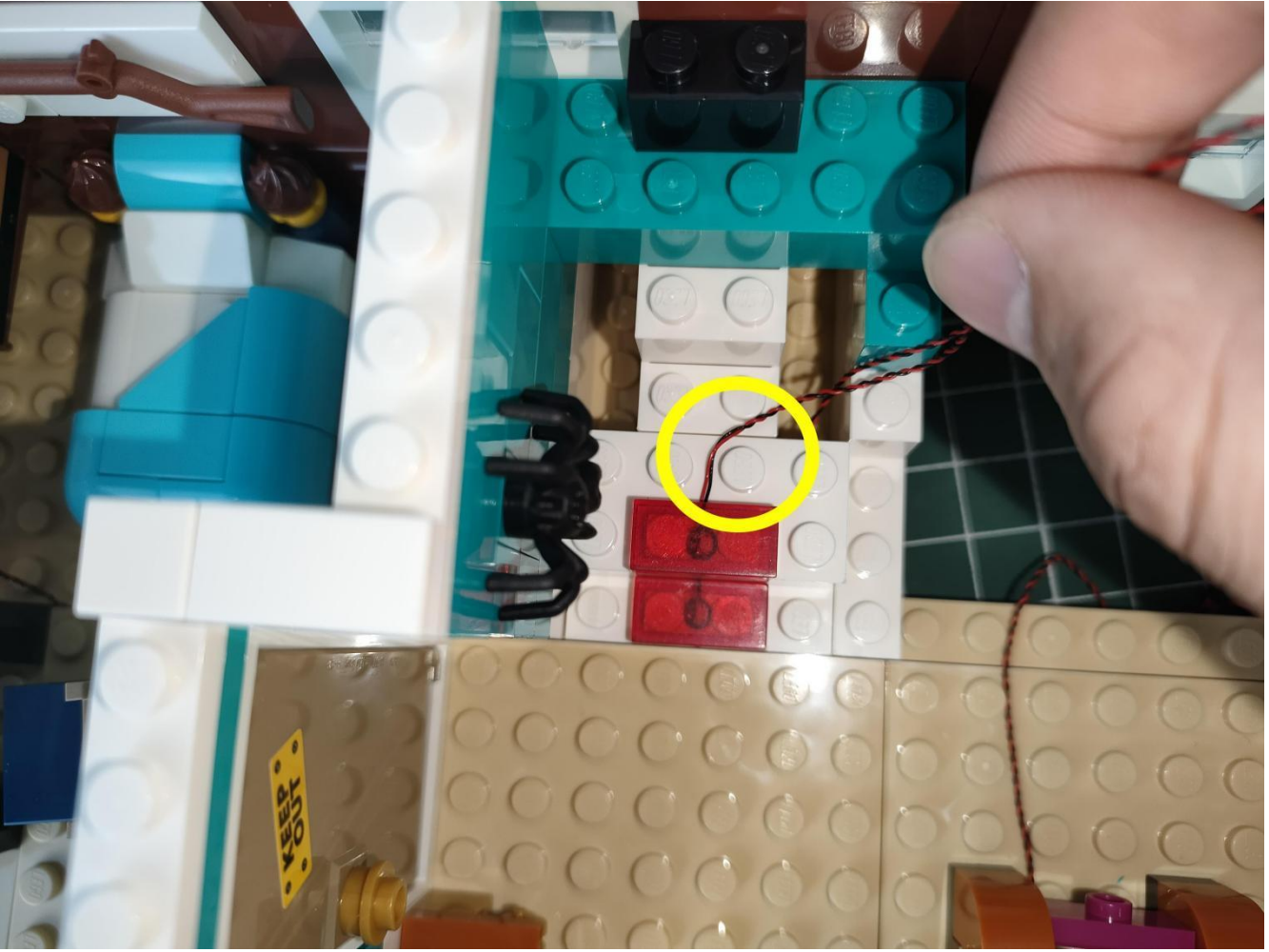




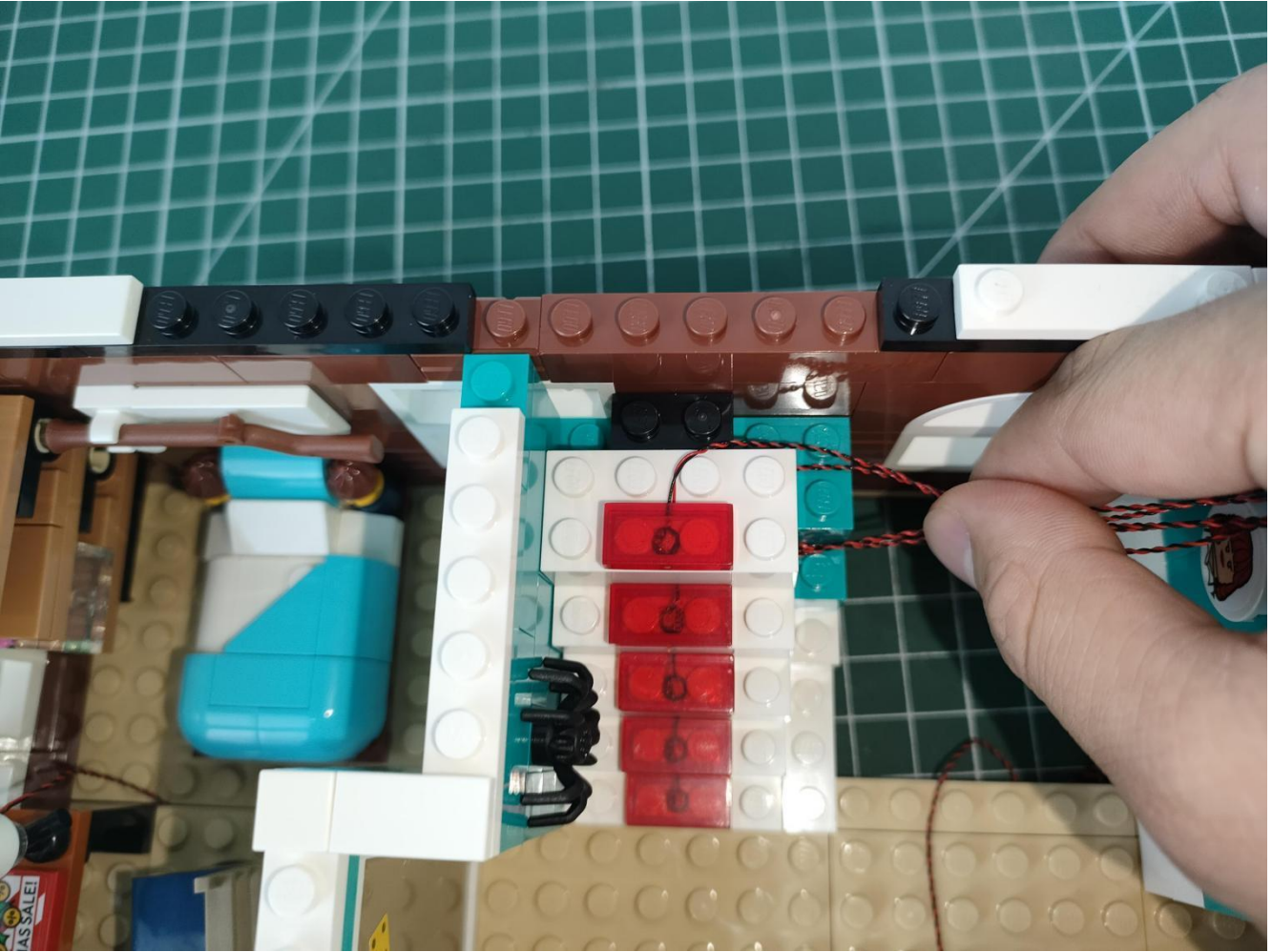
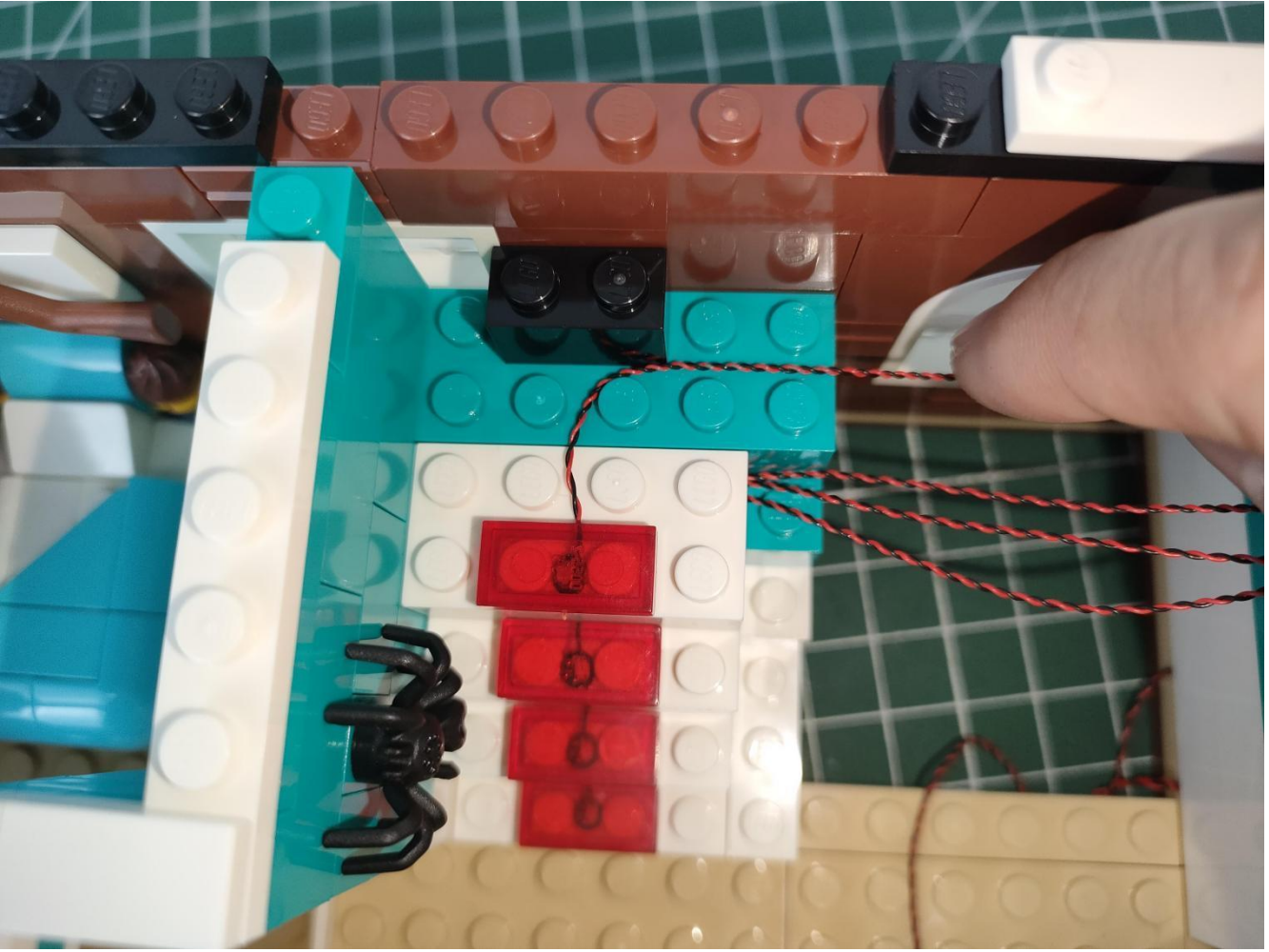




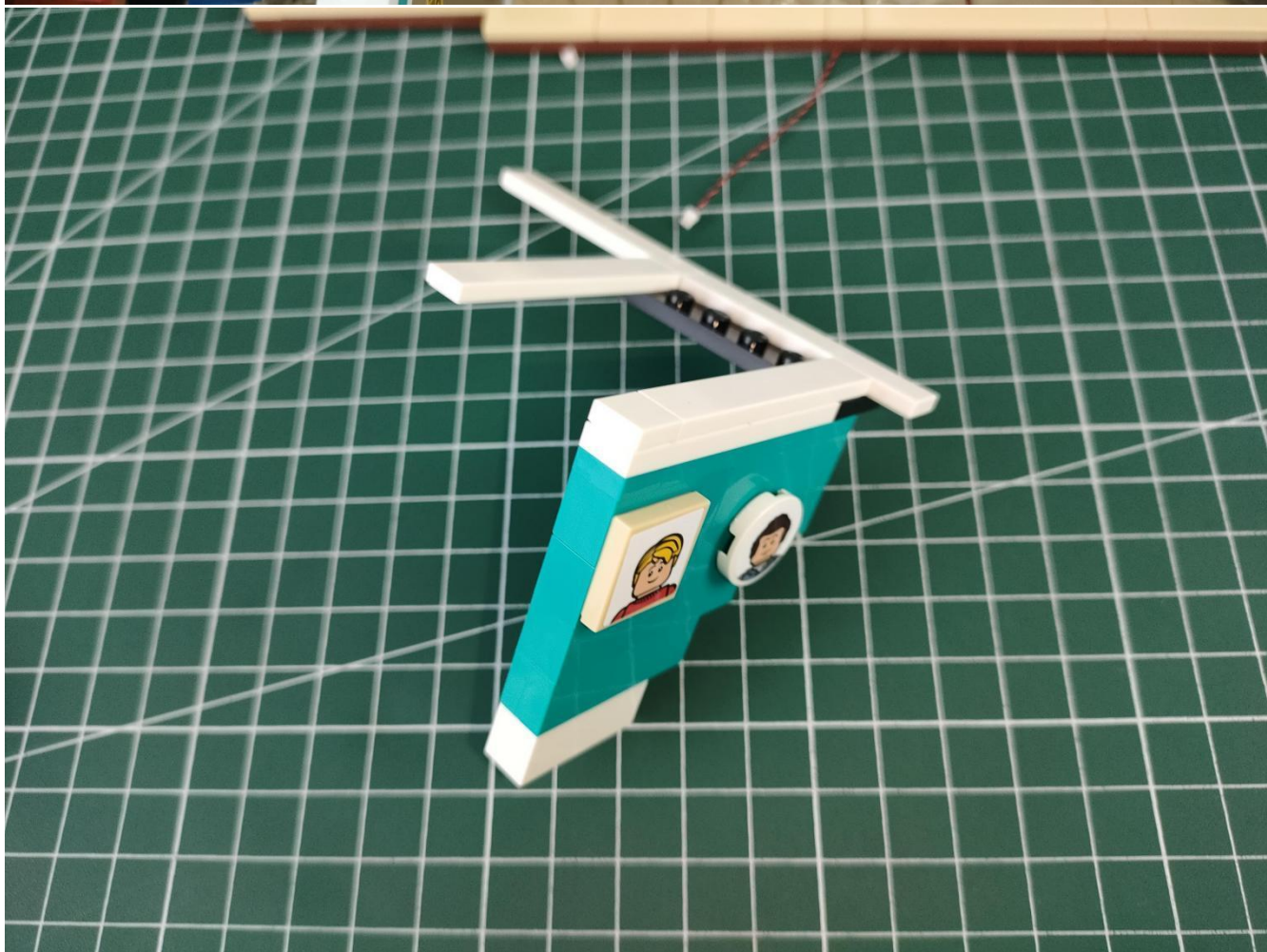
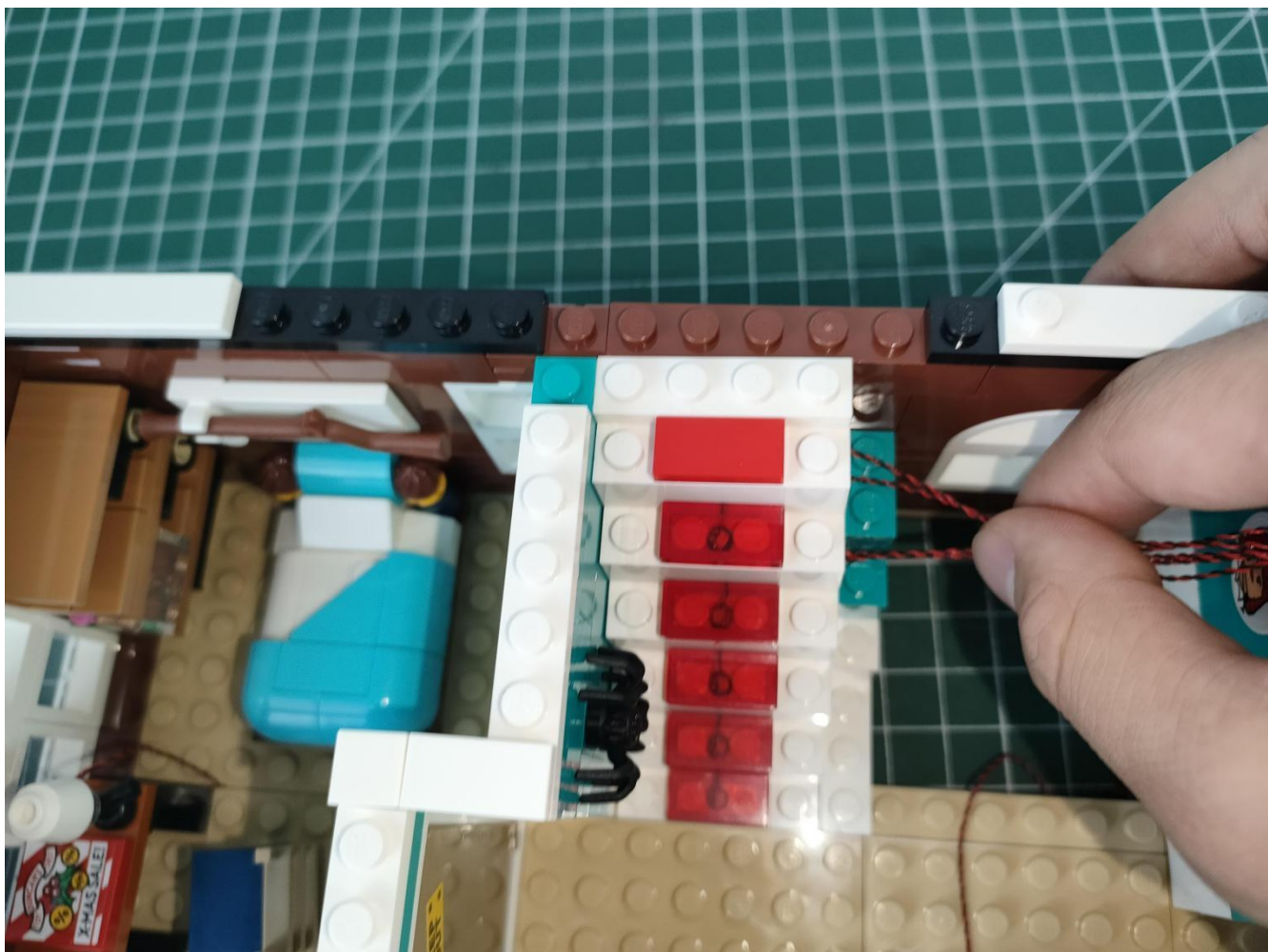










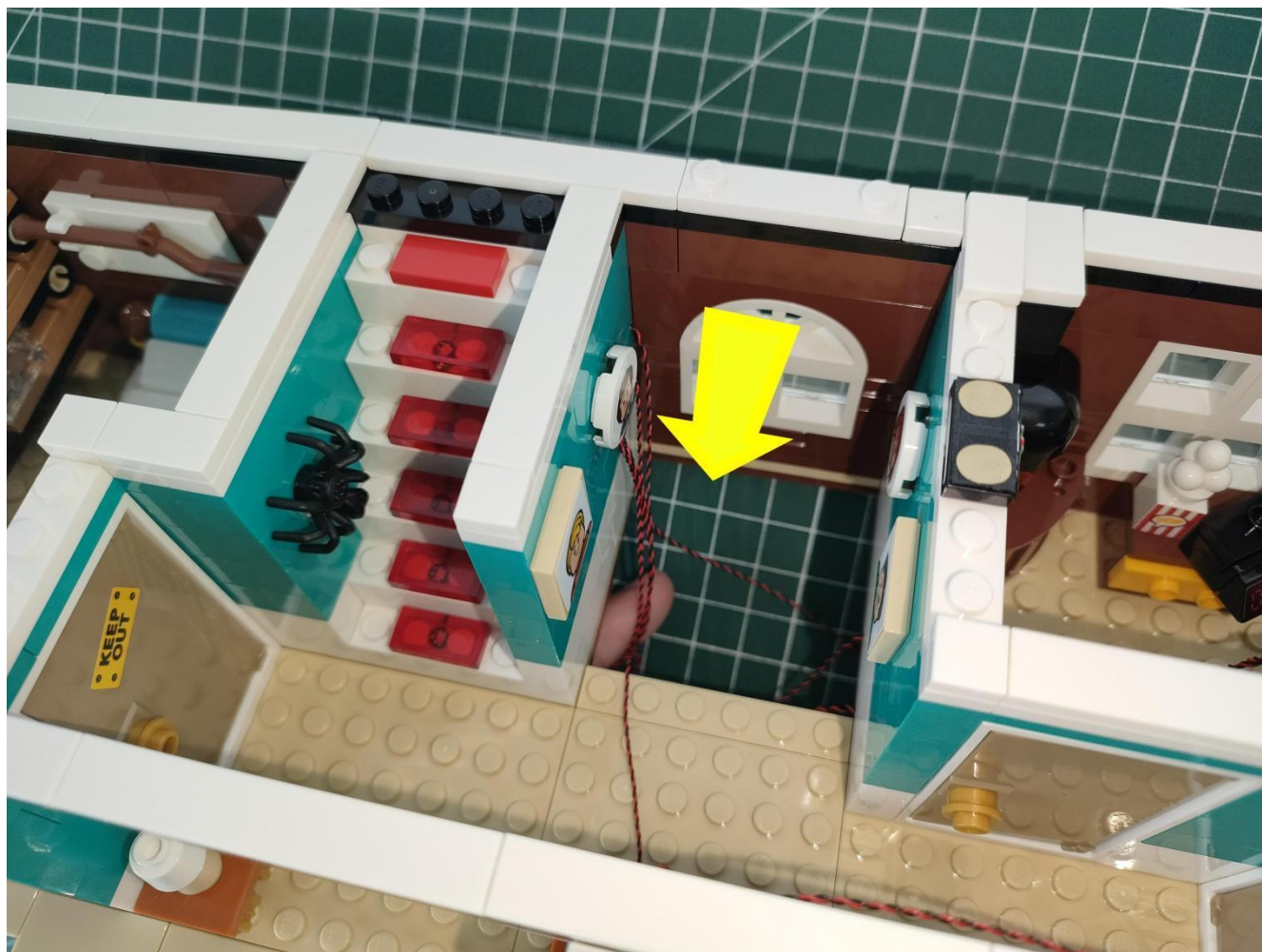








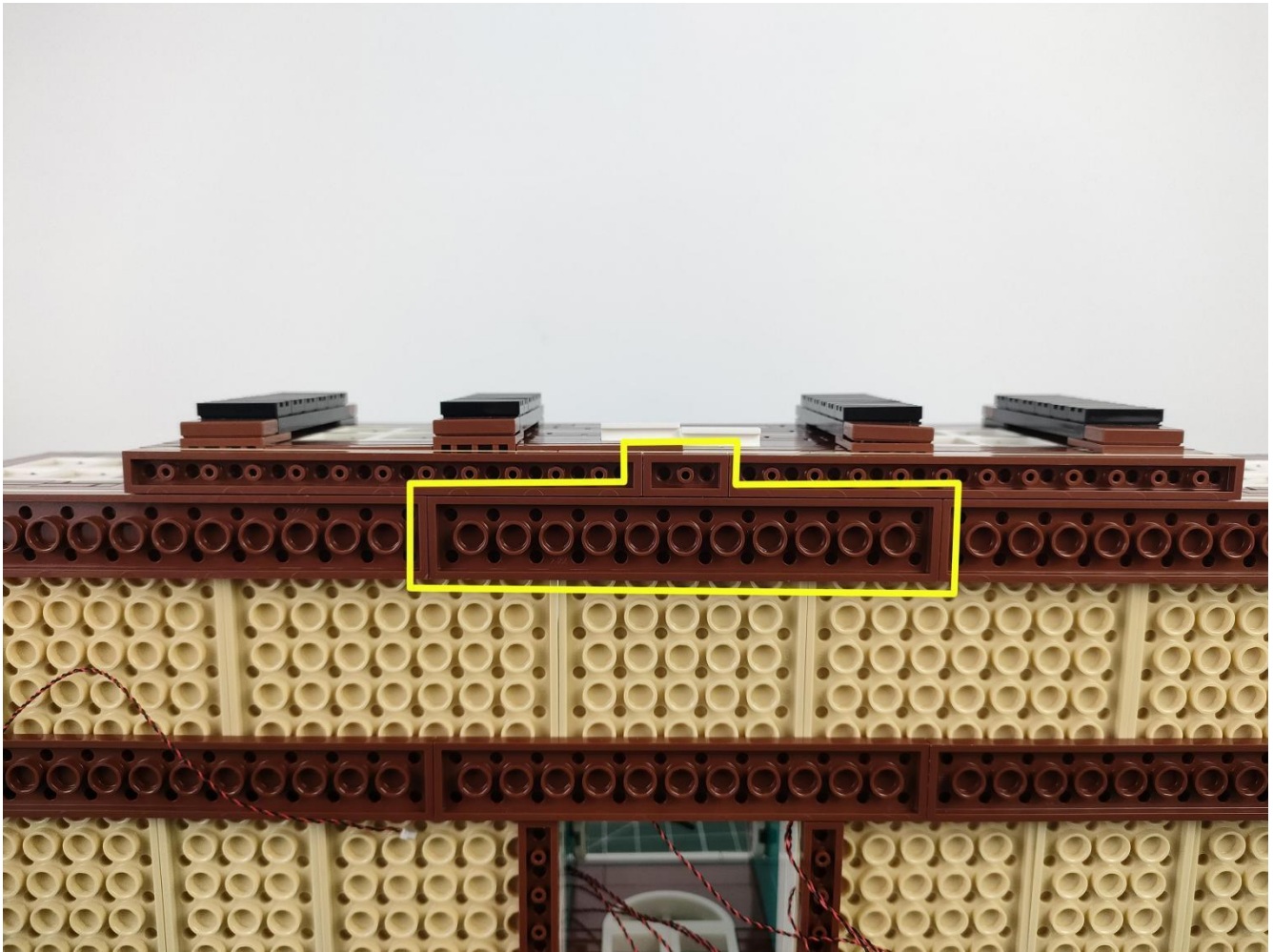
**Pull the wires all down.**



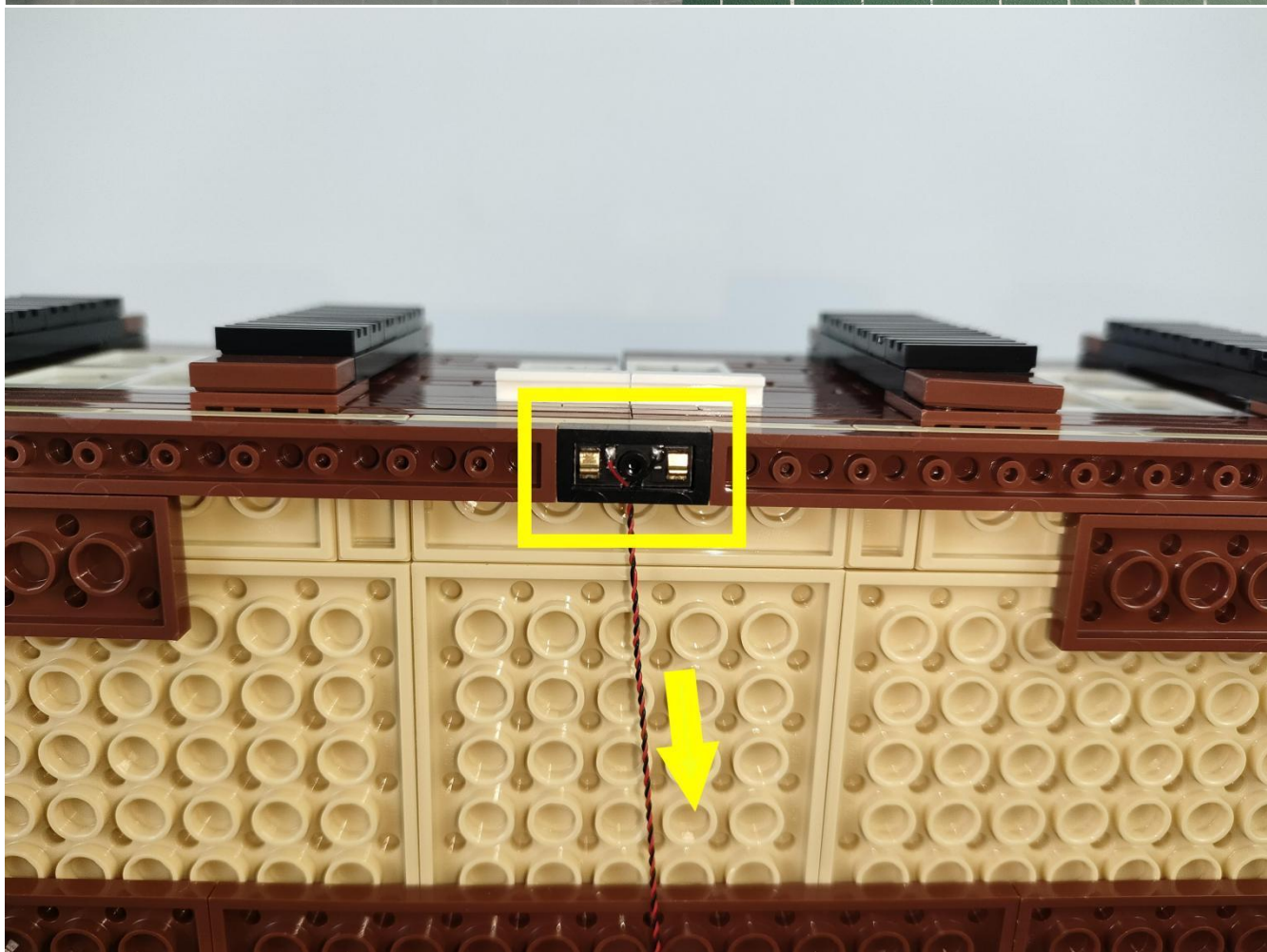




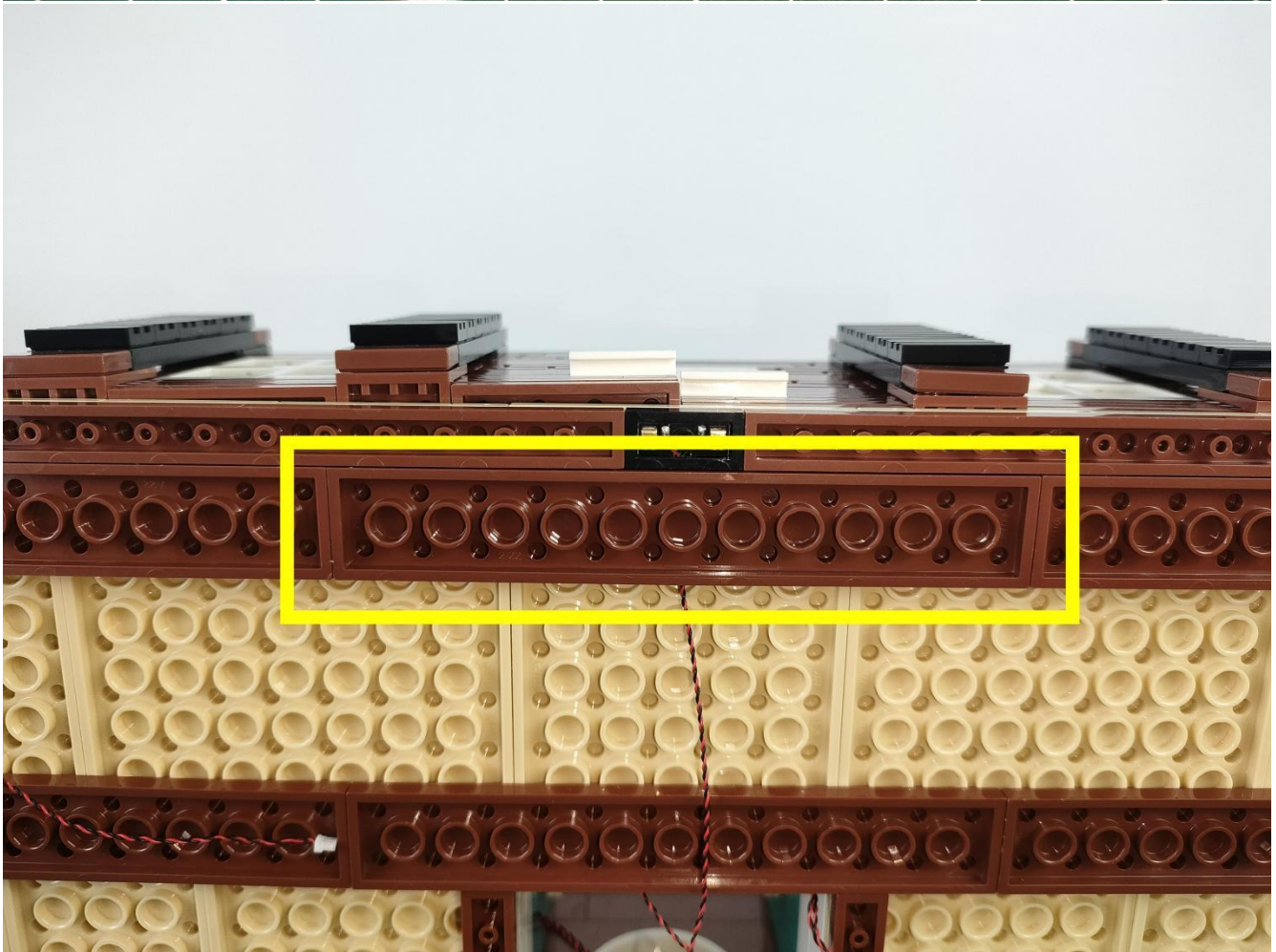
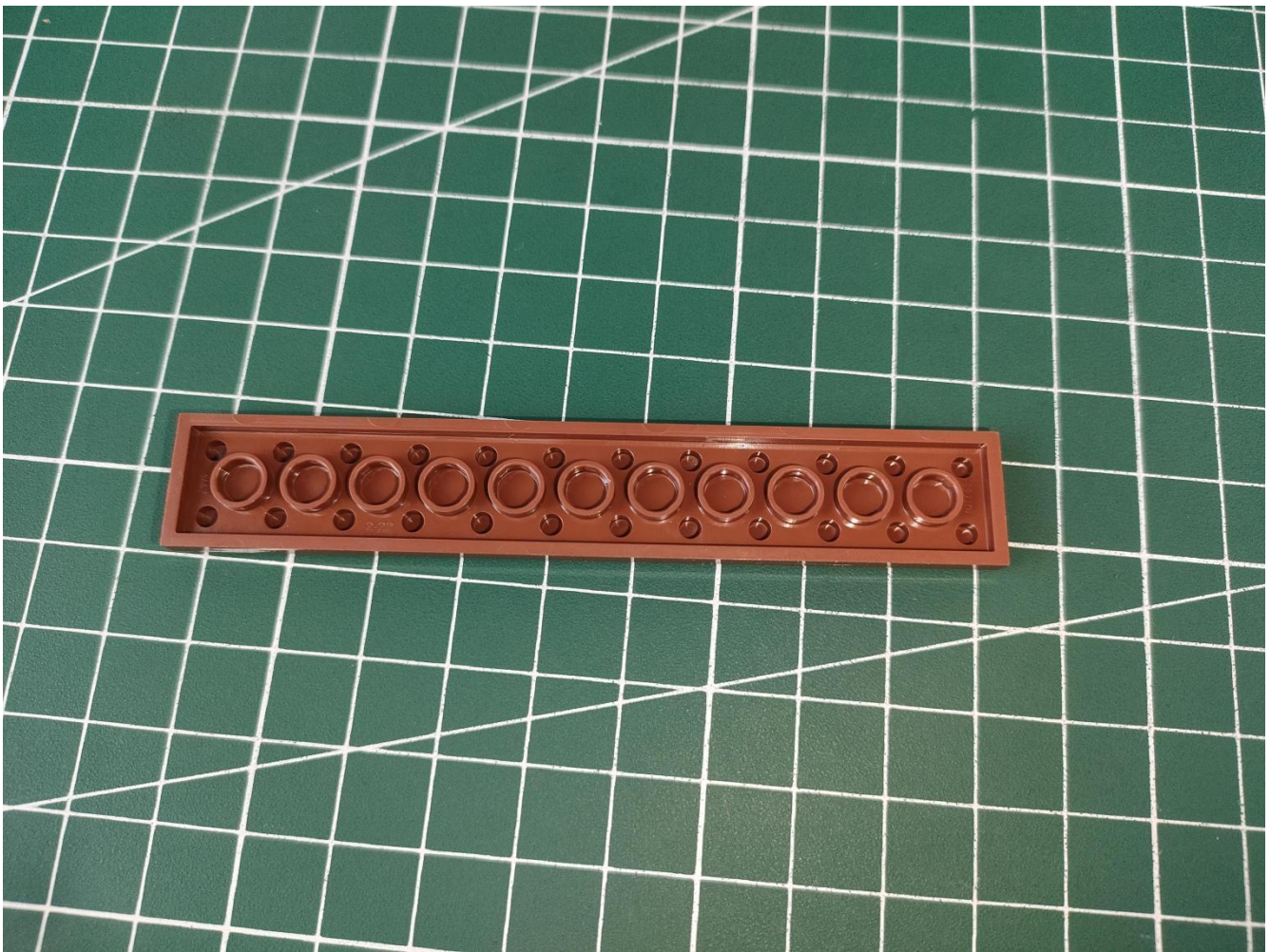








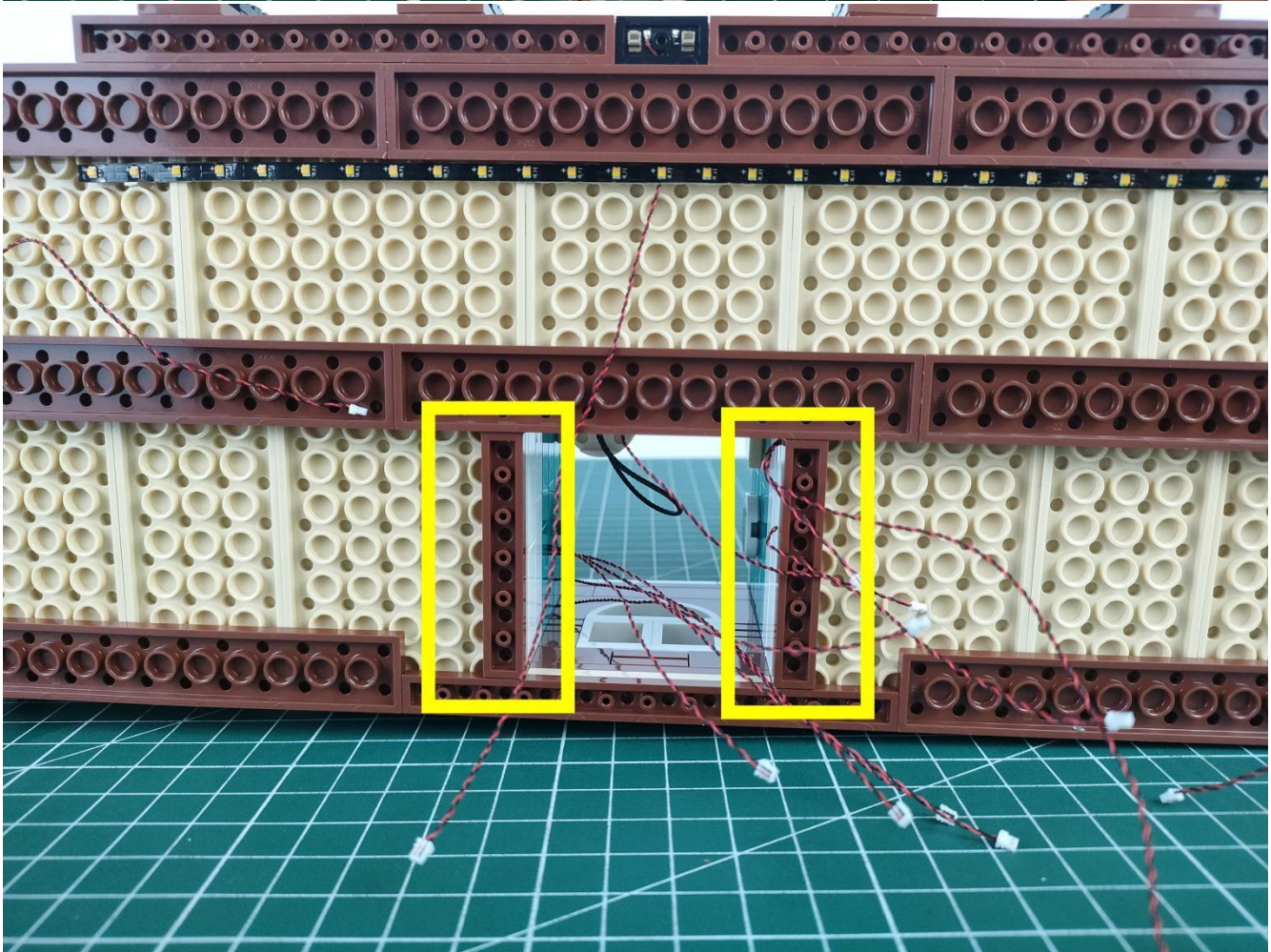
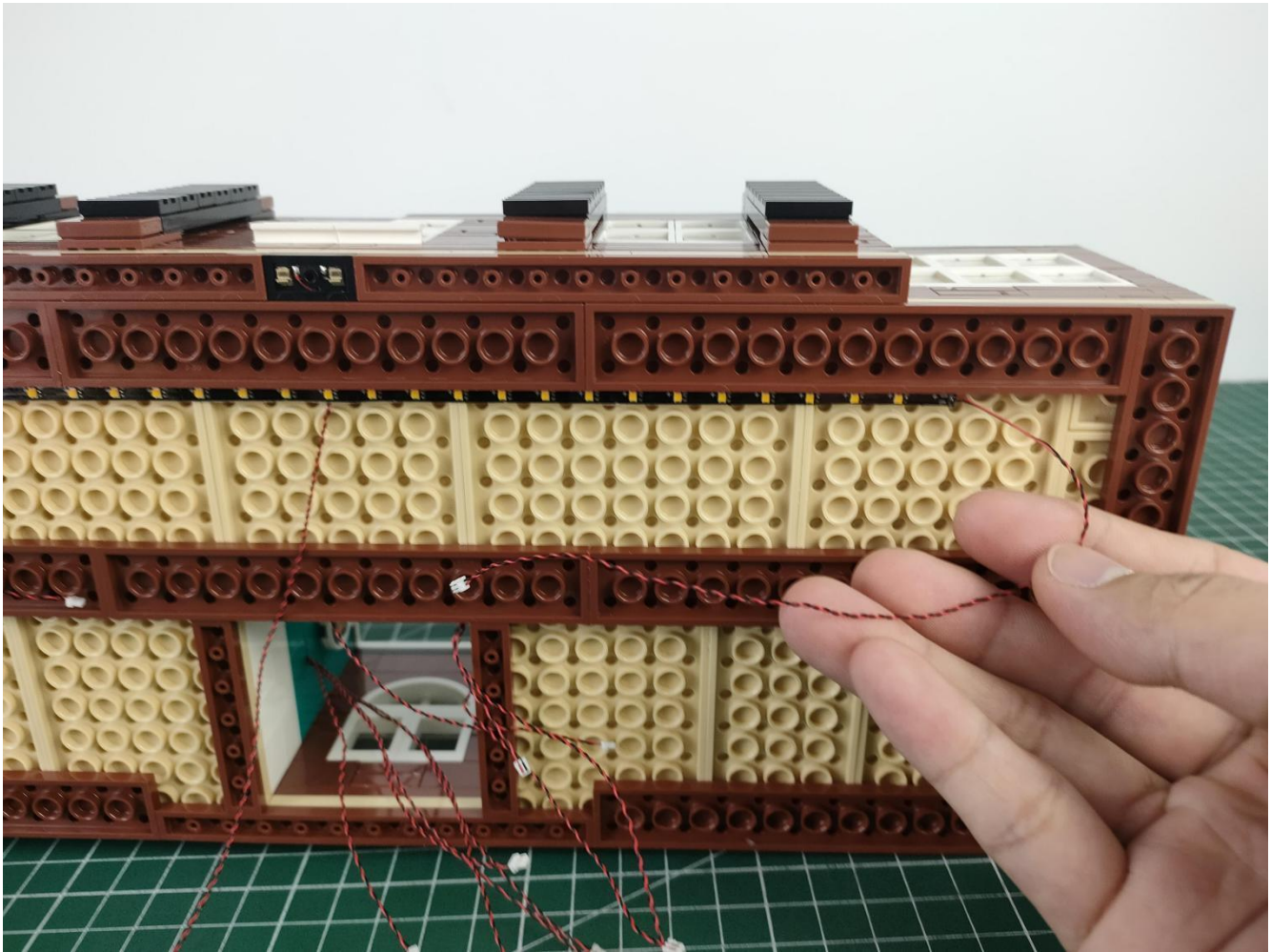




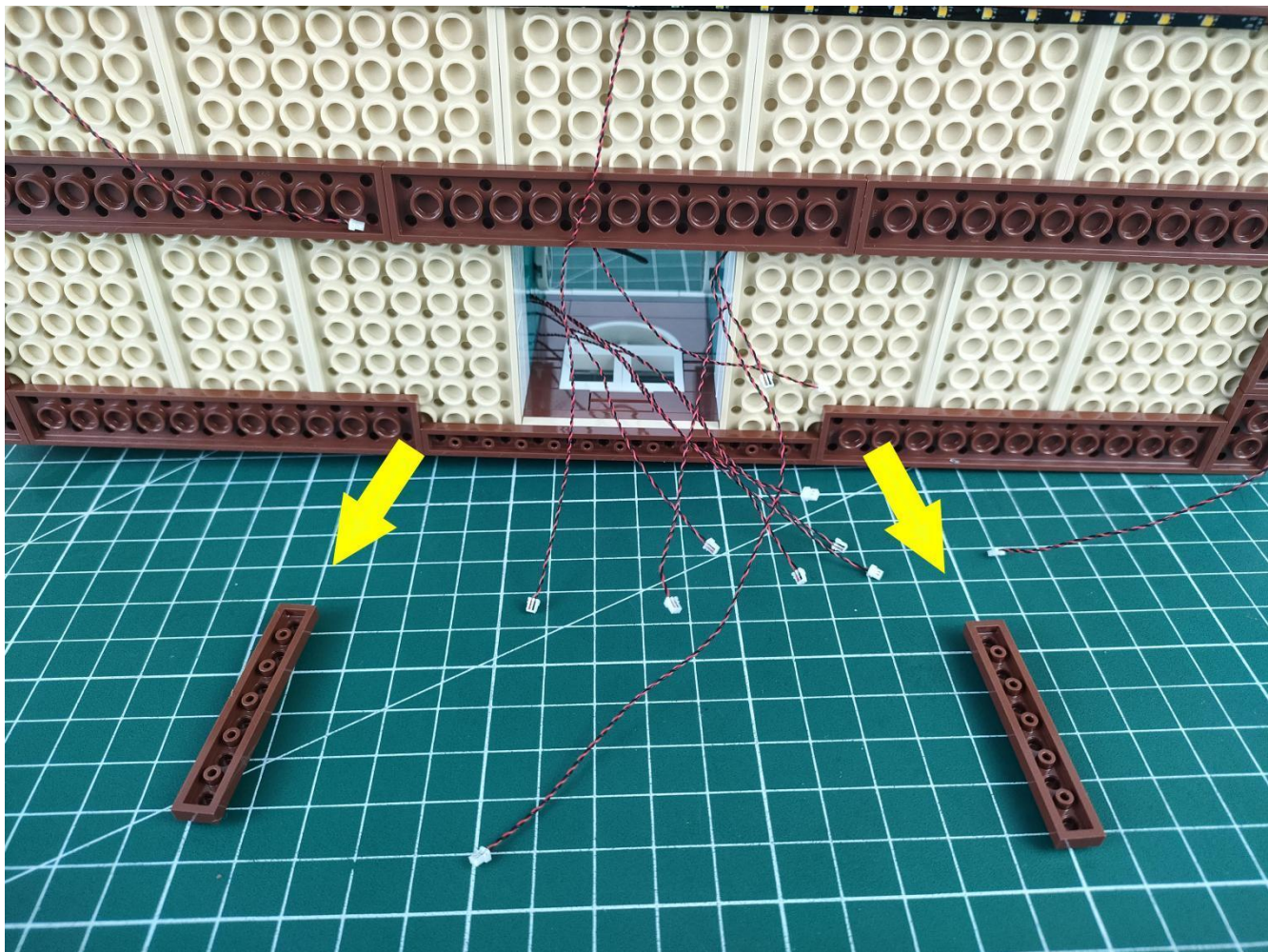




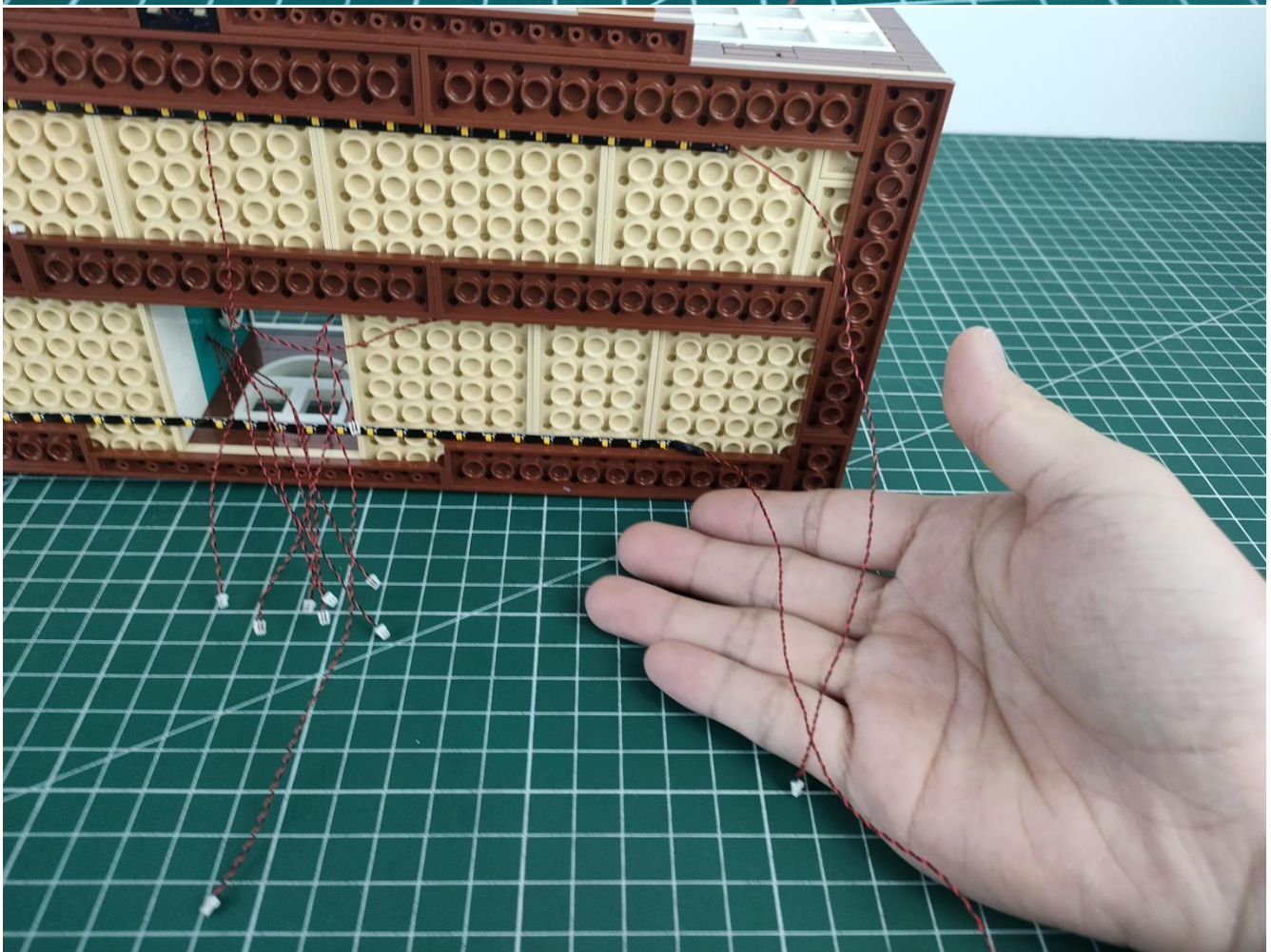
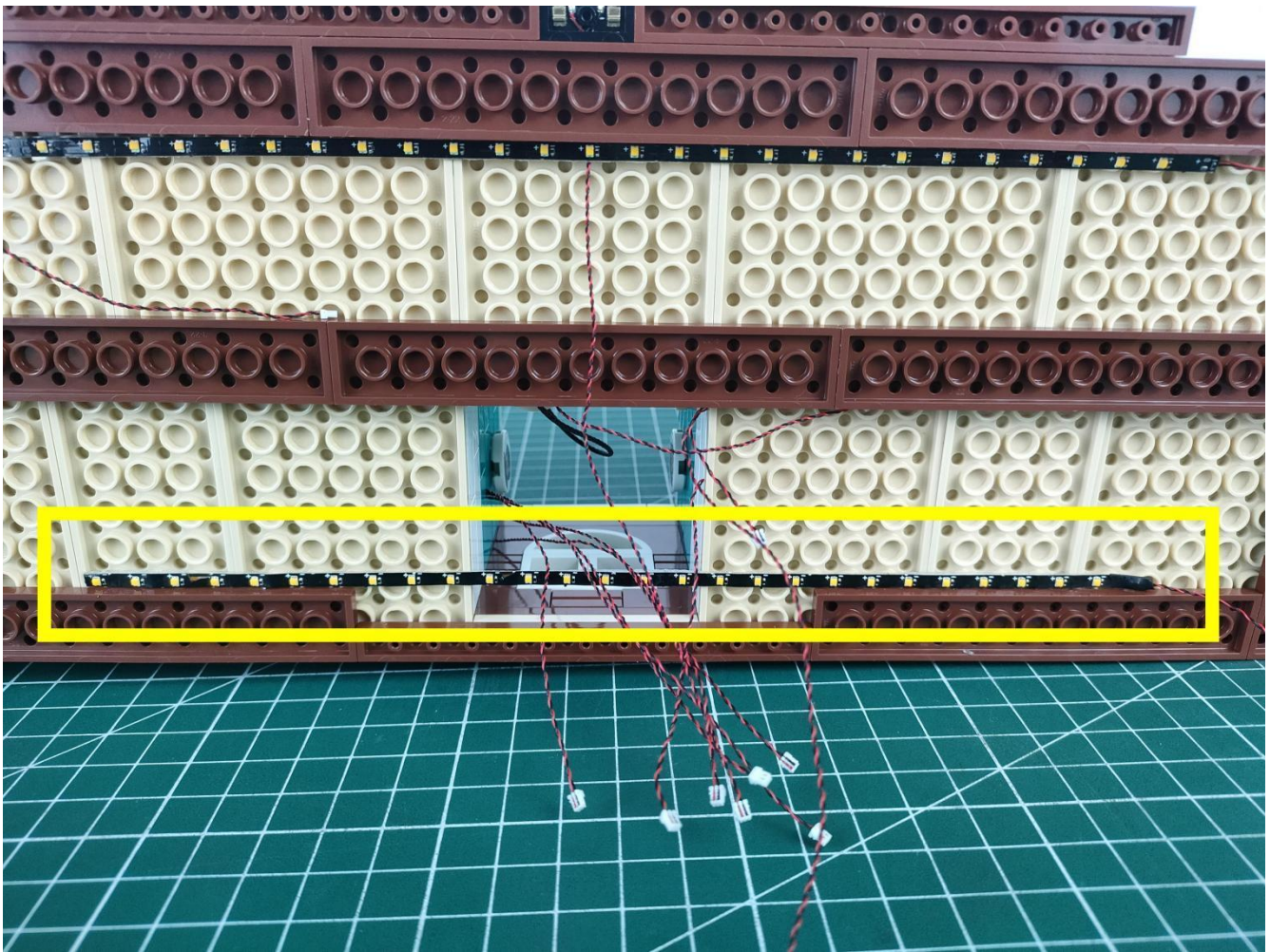




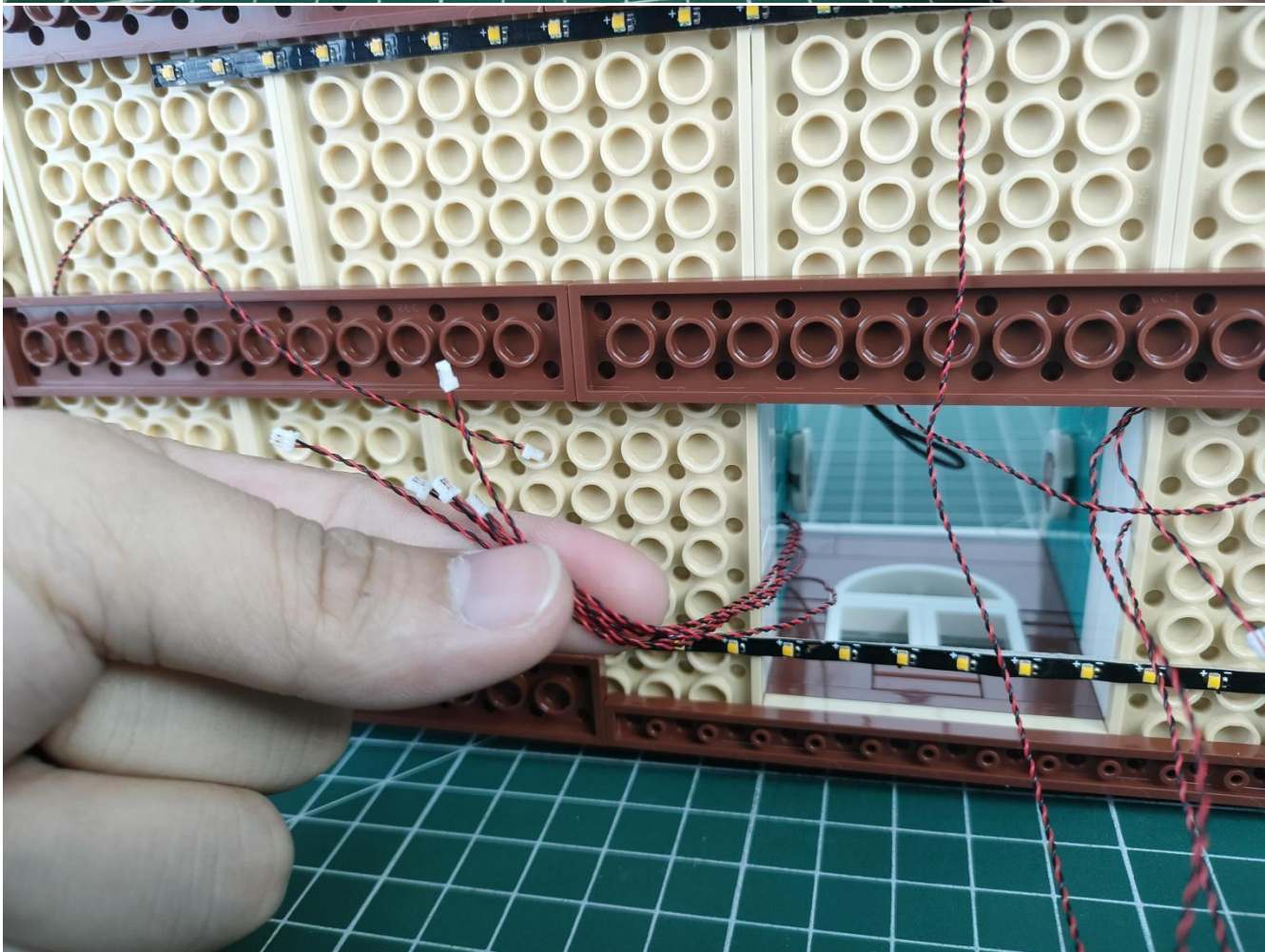
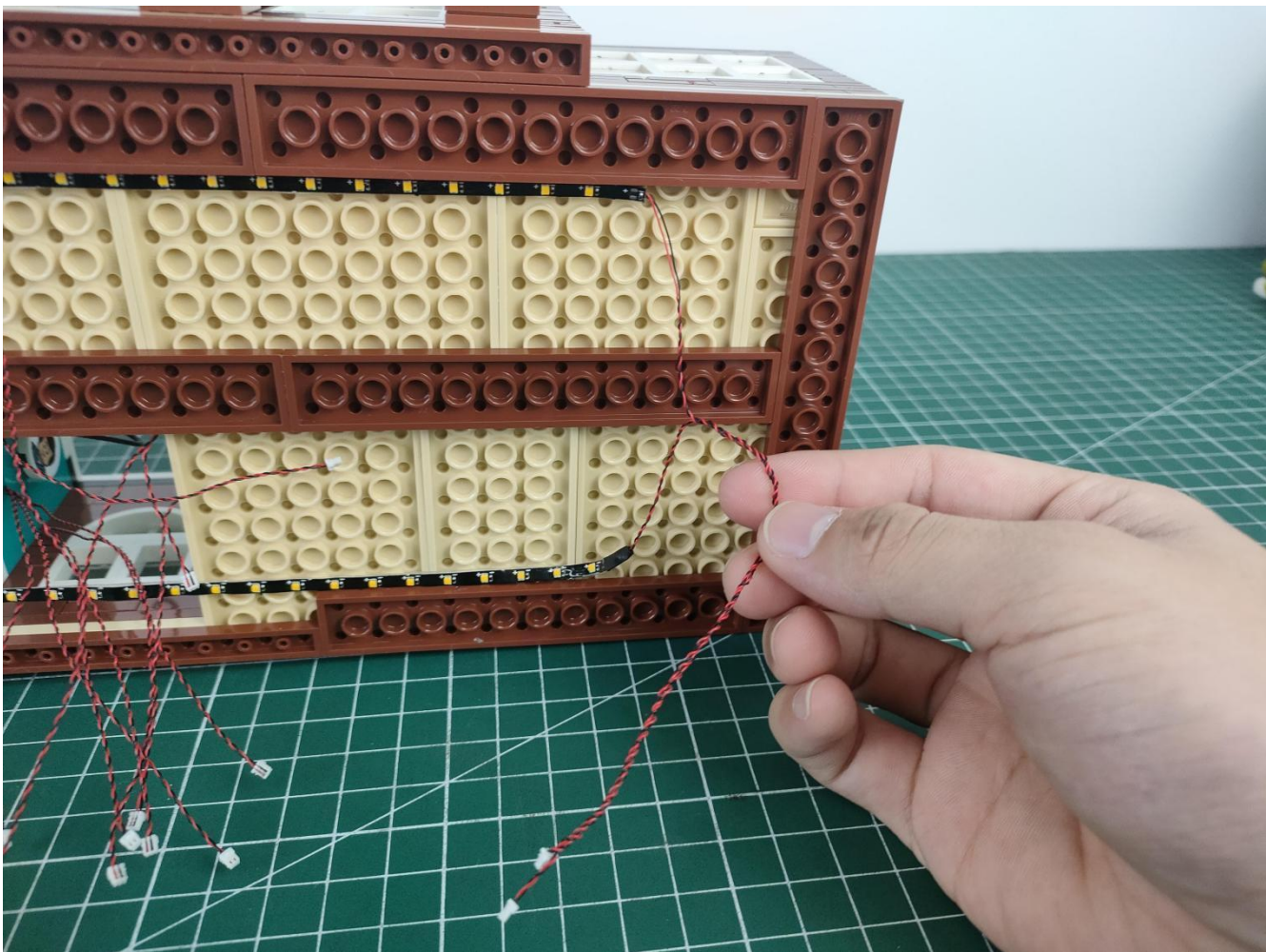




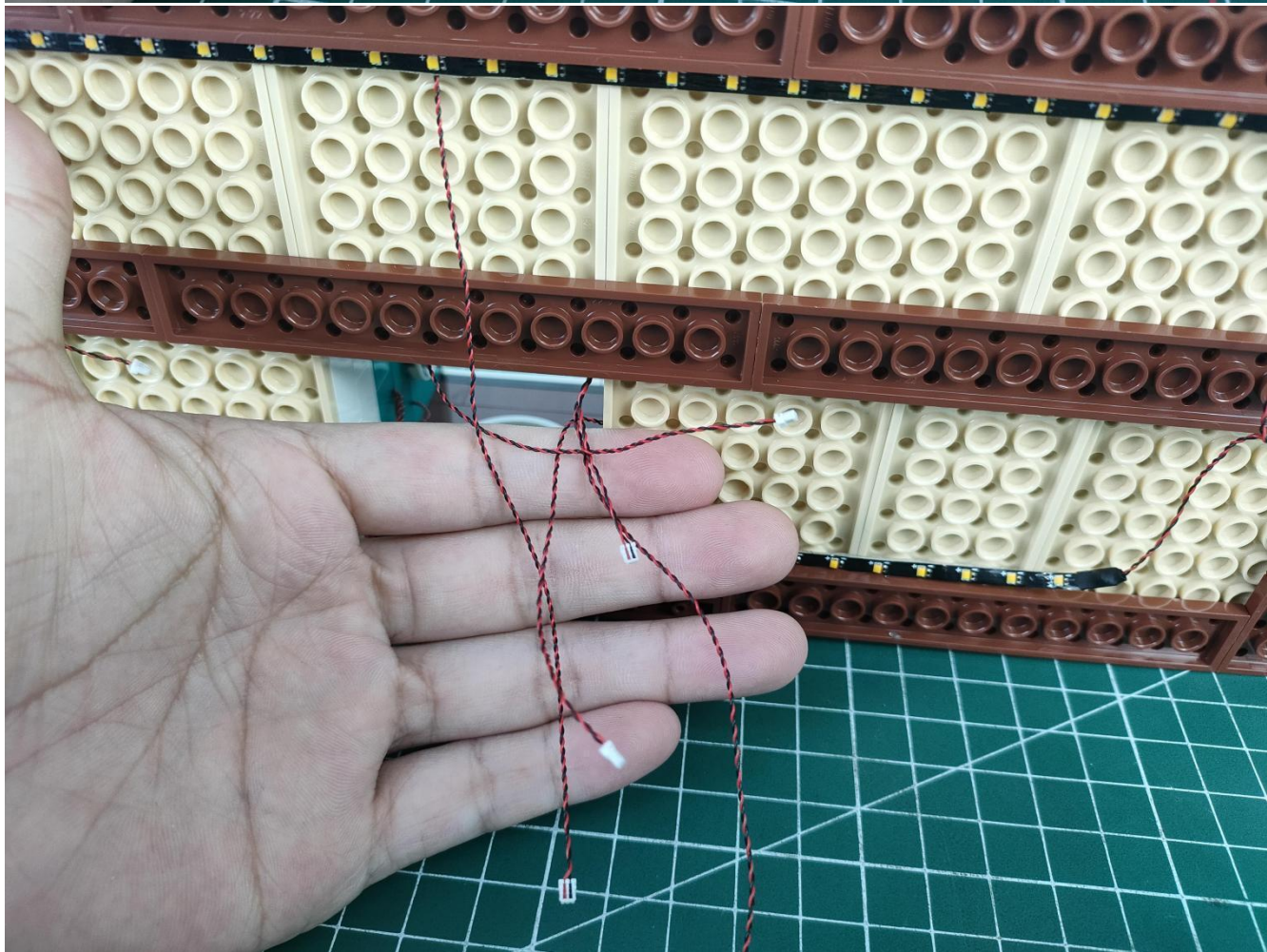
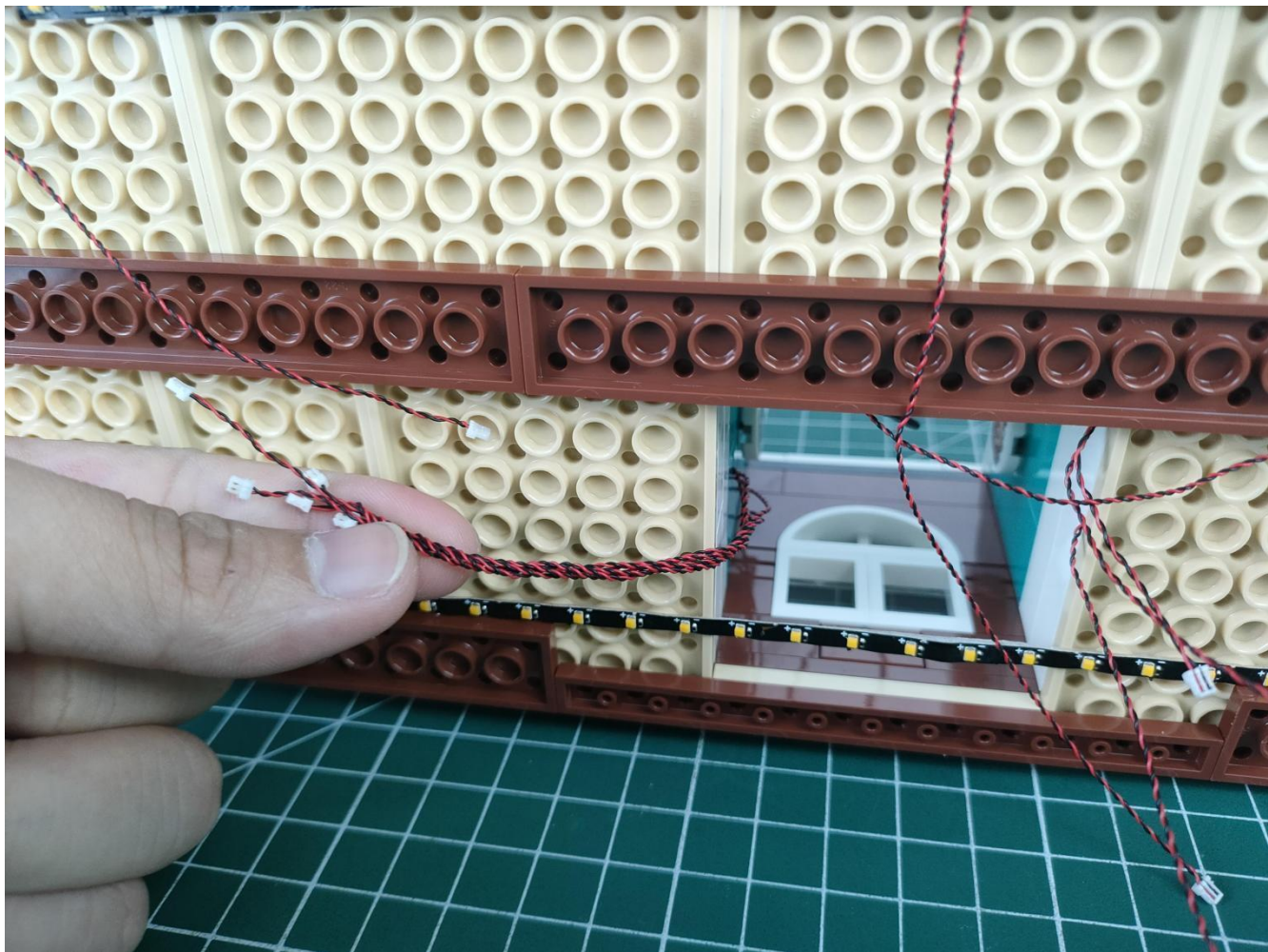




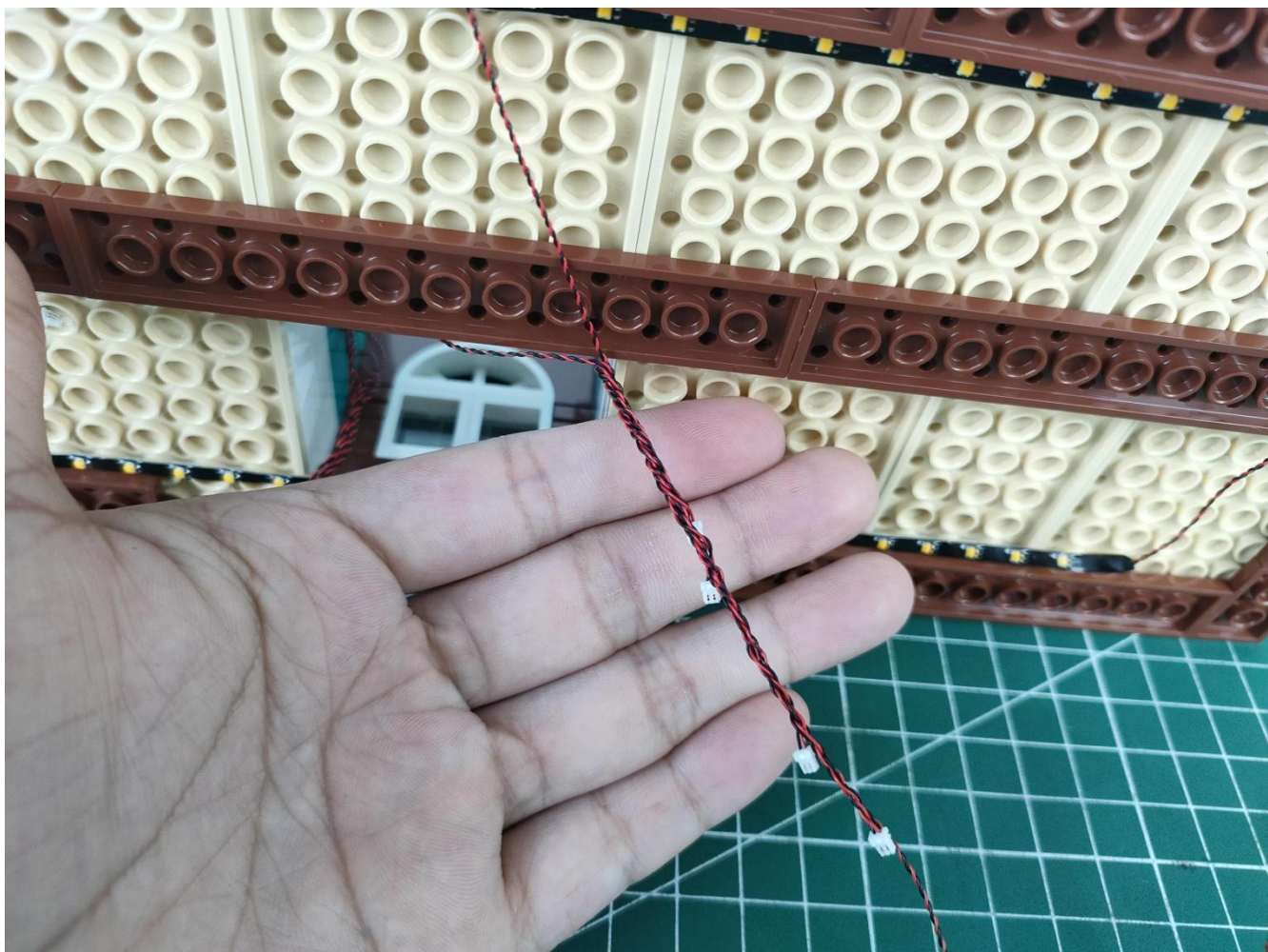




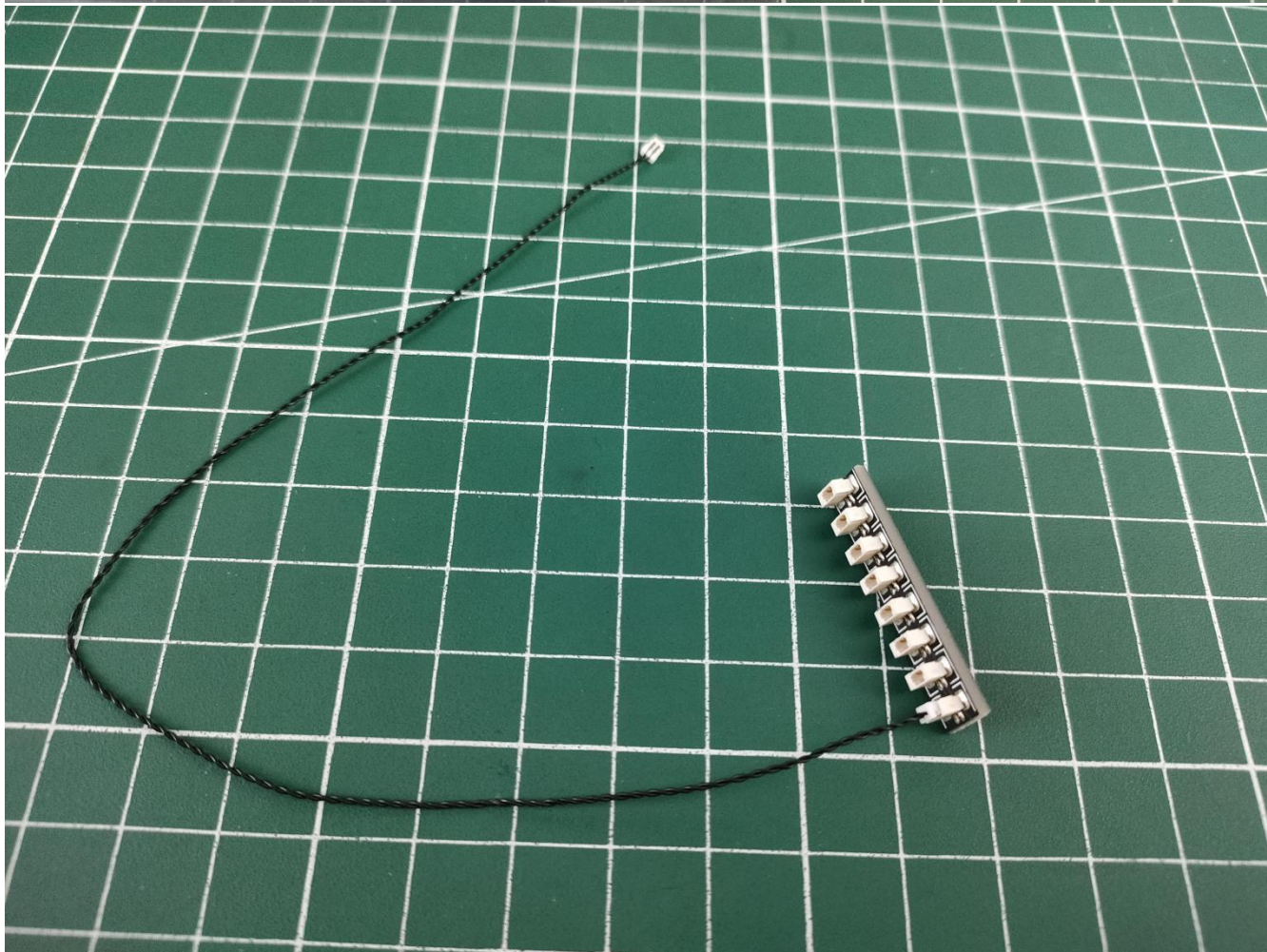




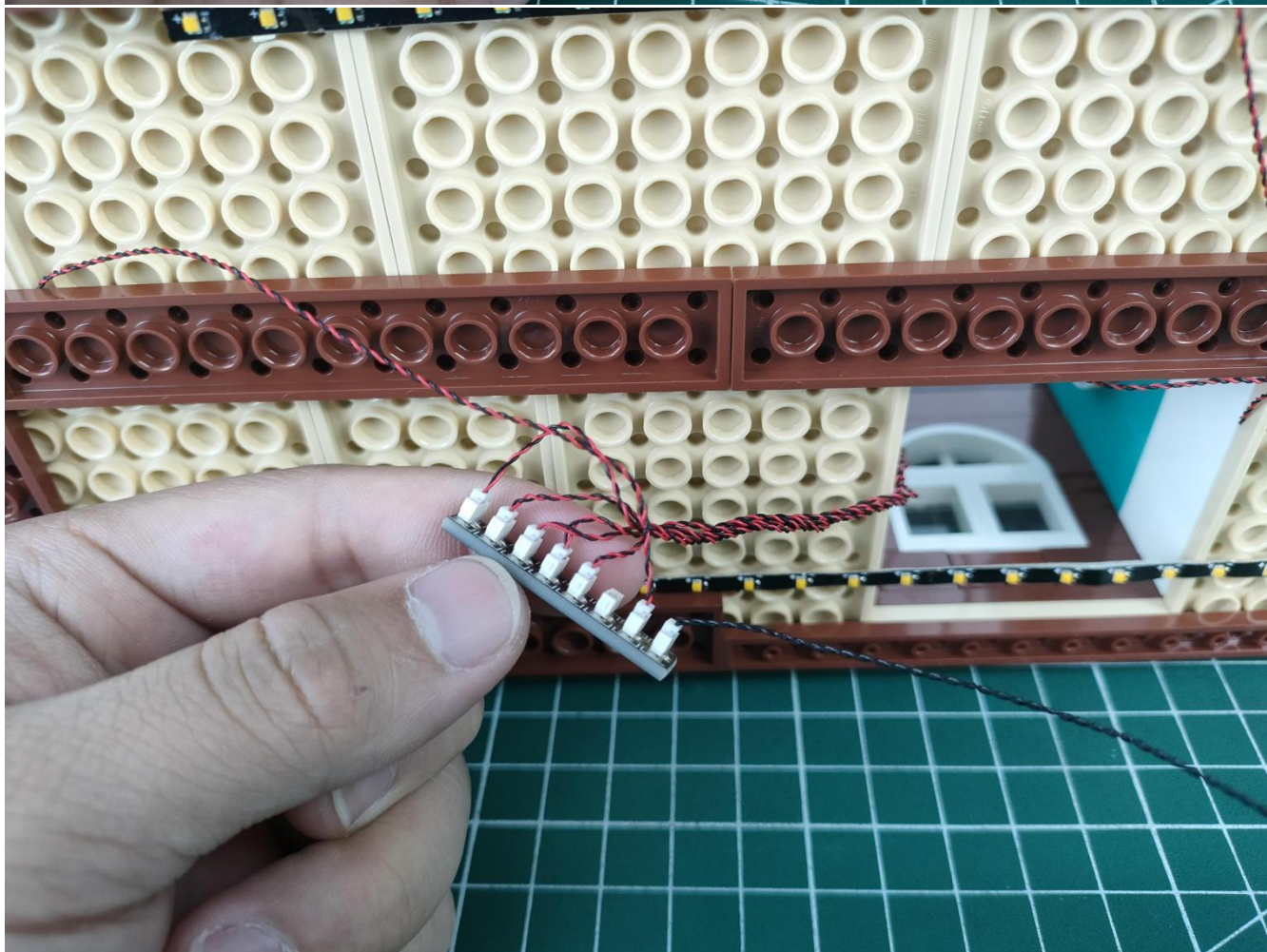
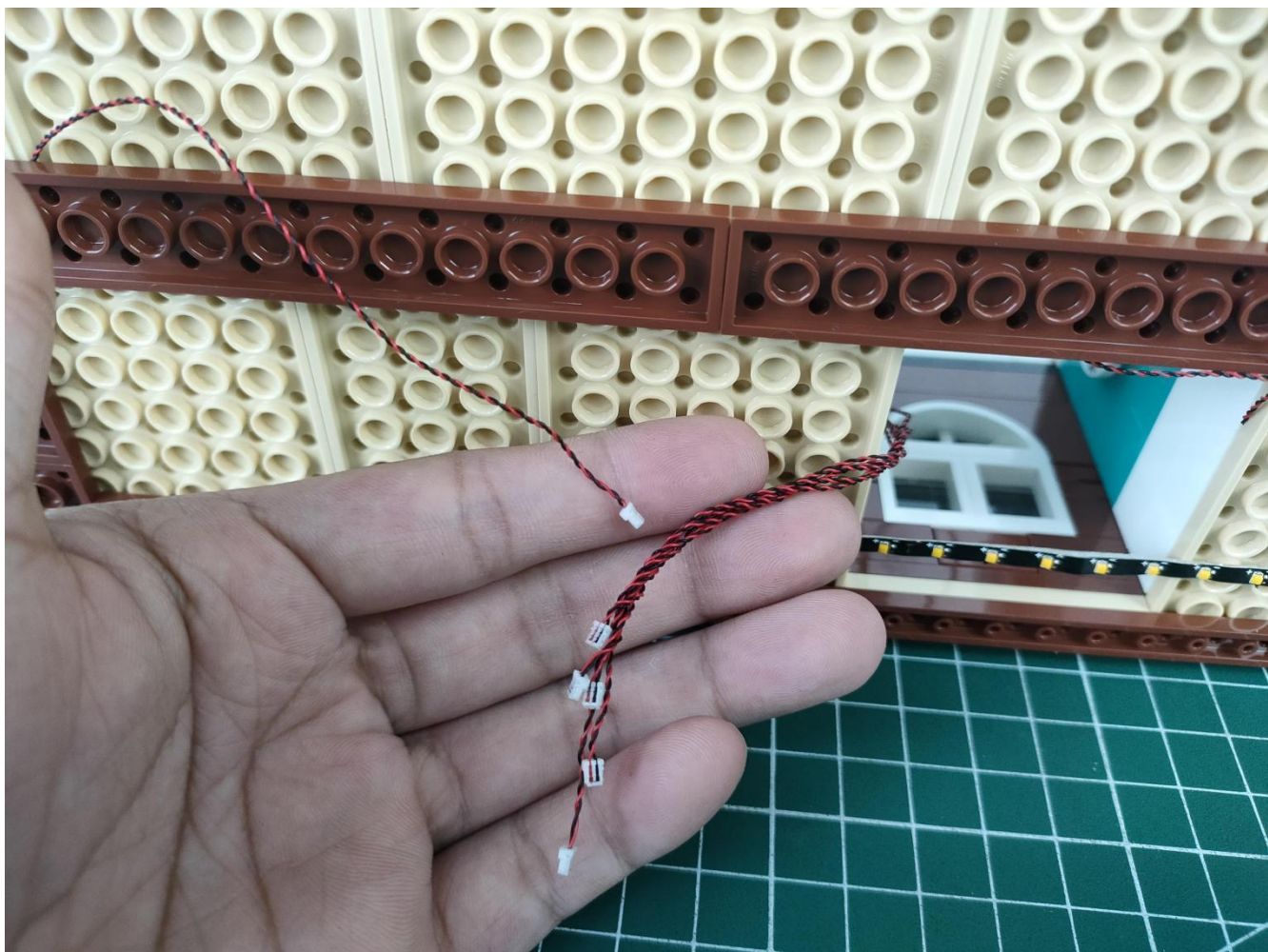




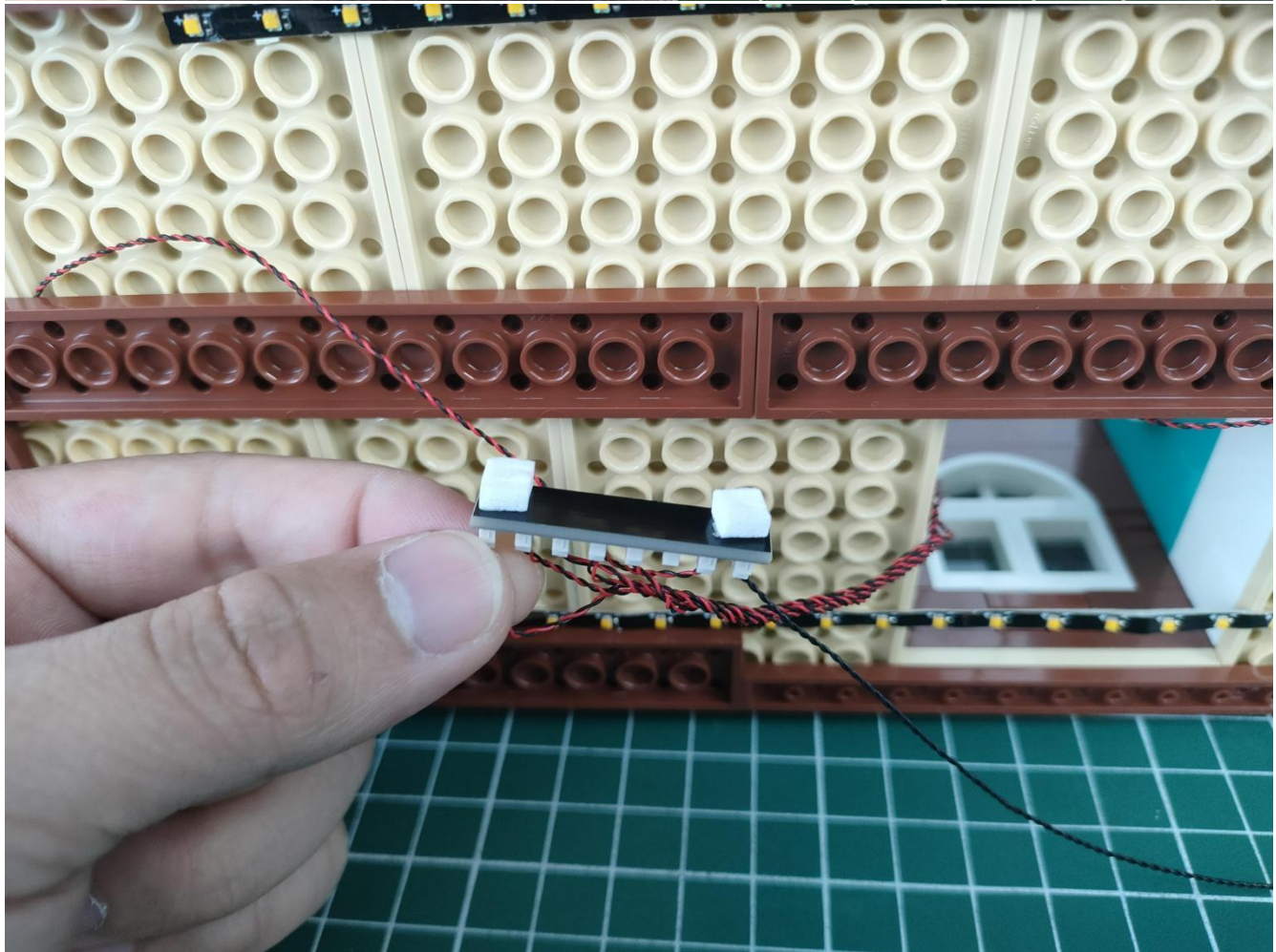




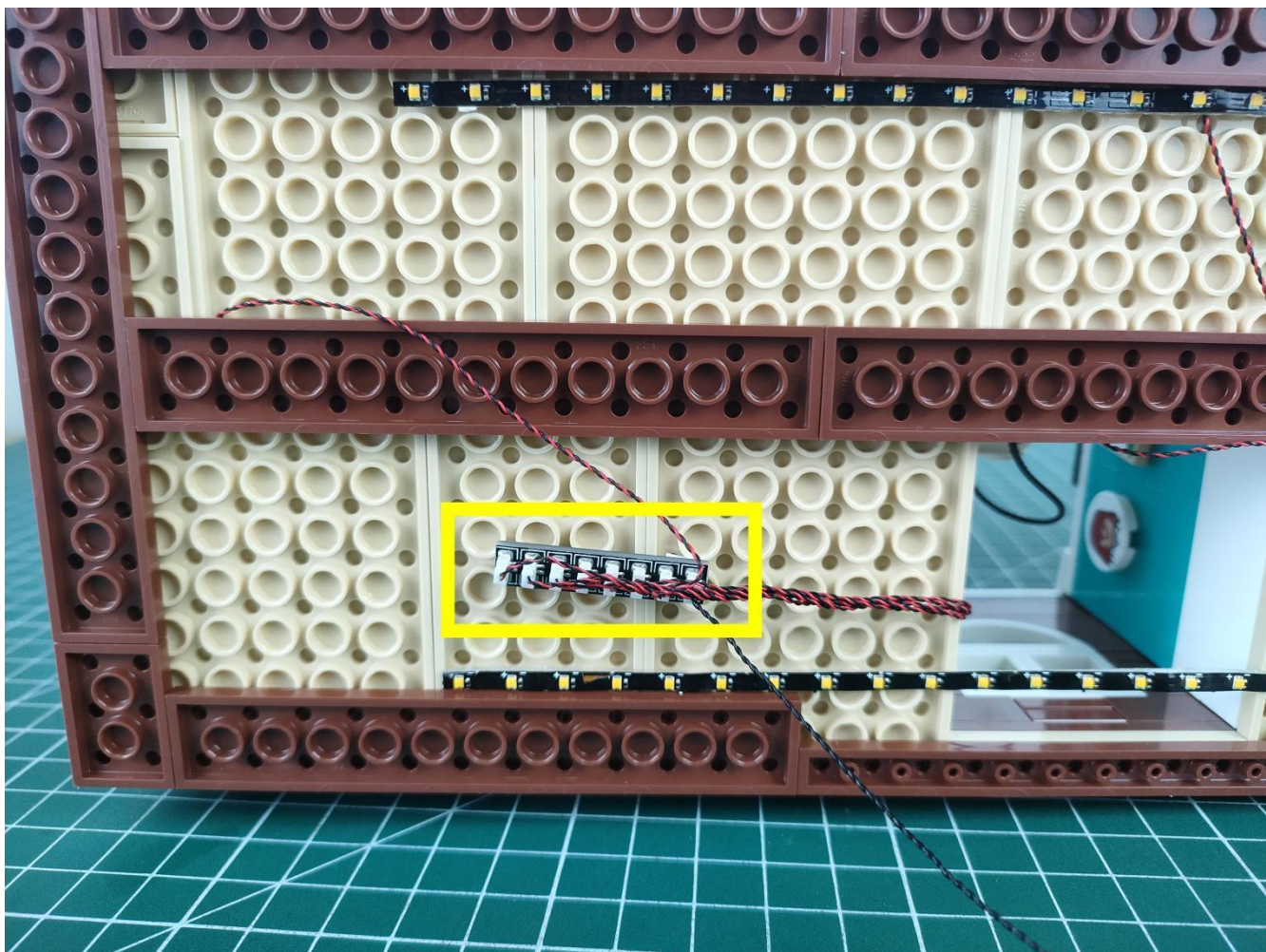




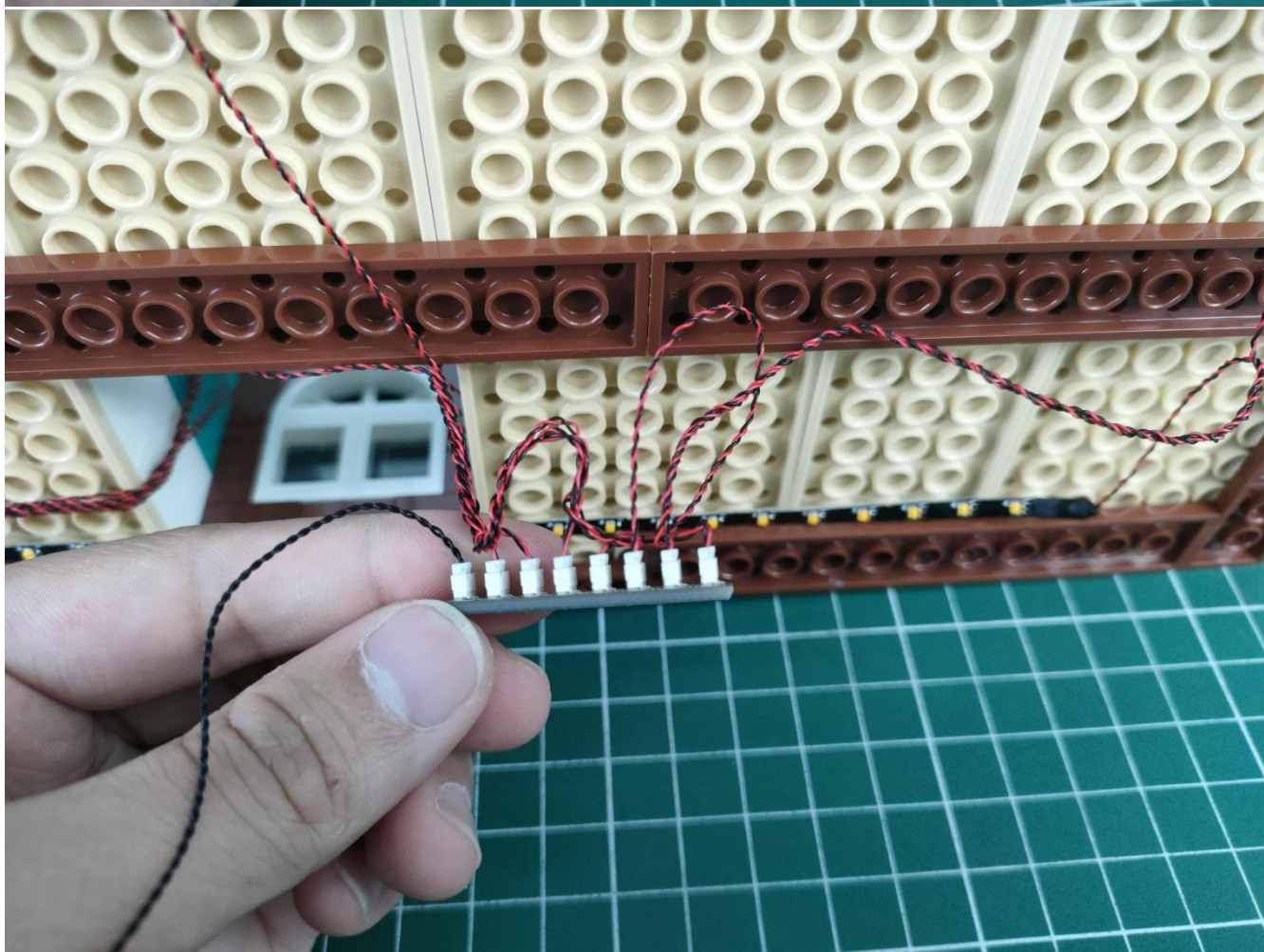
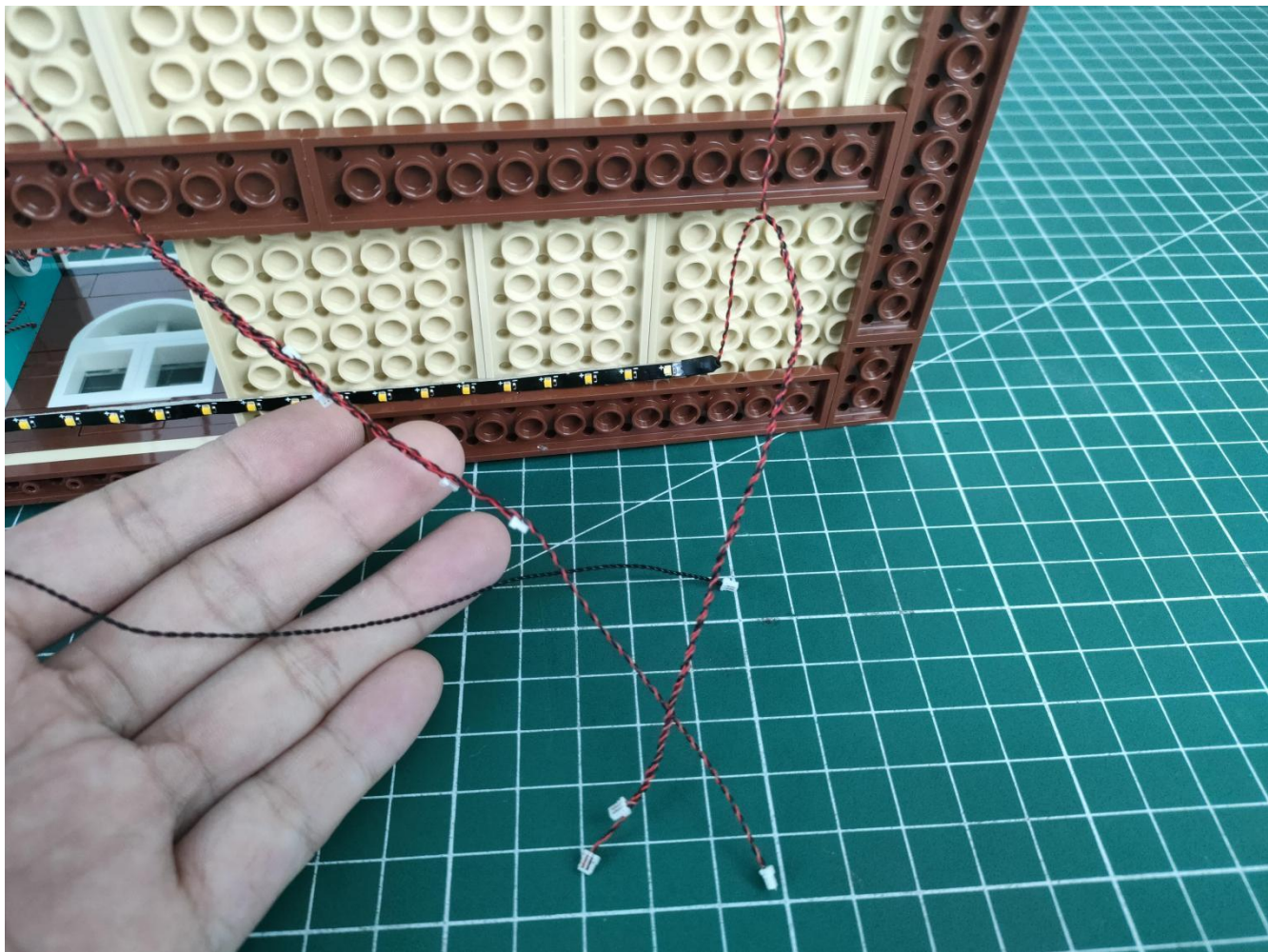




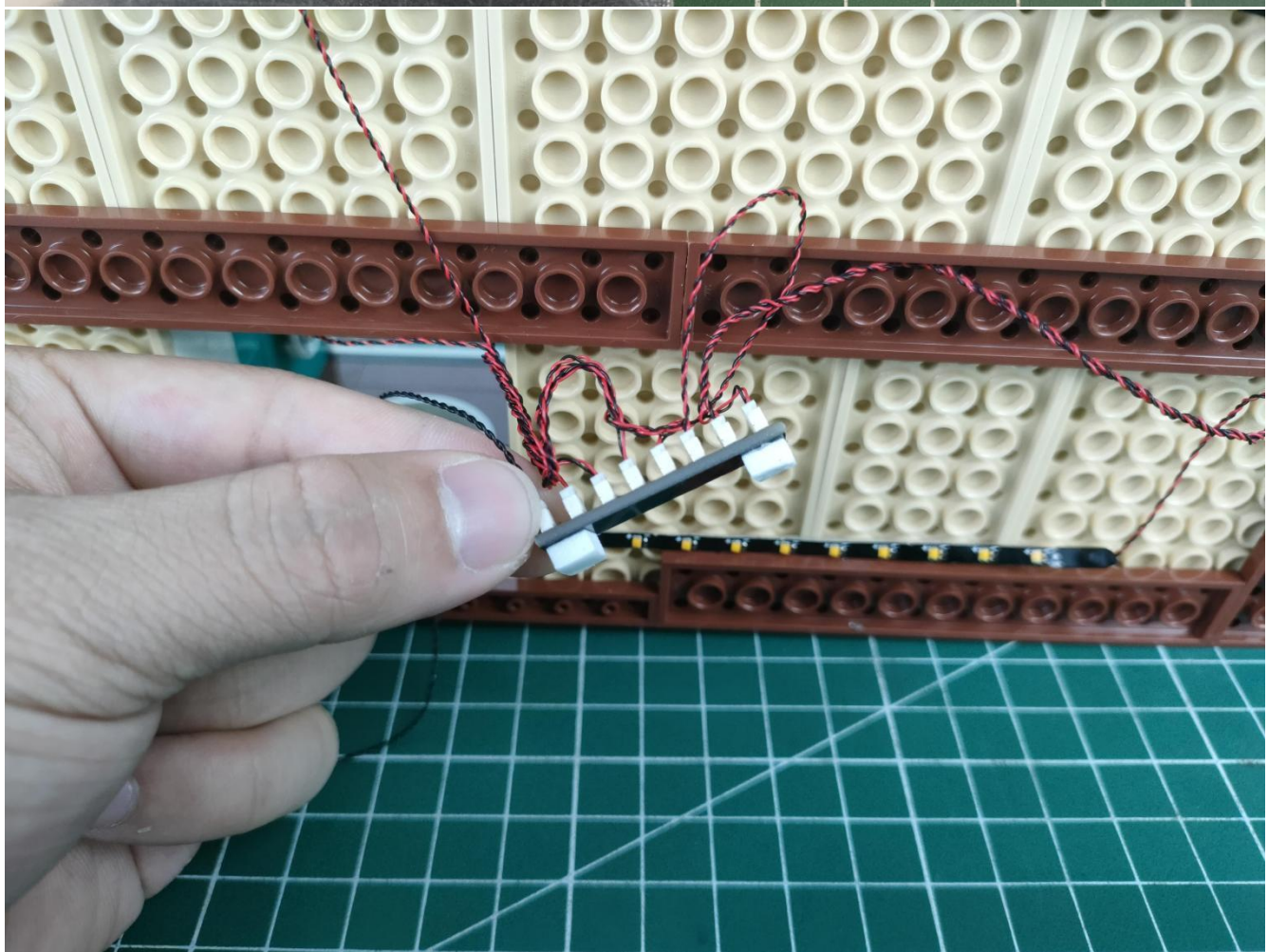




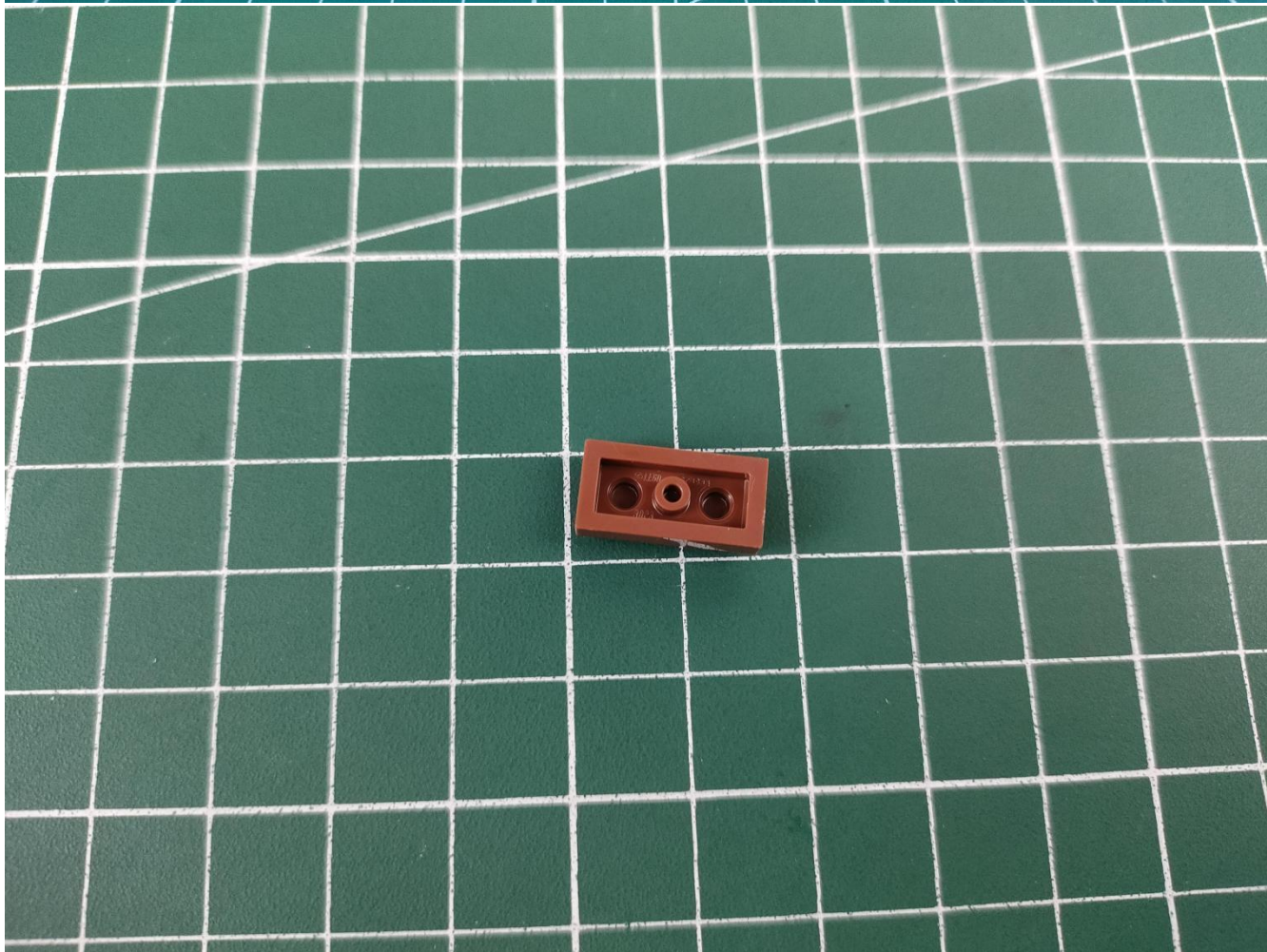
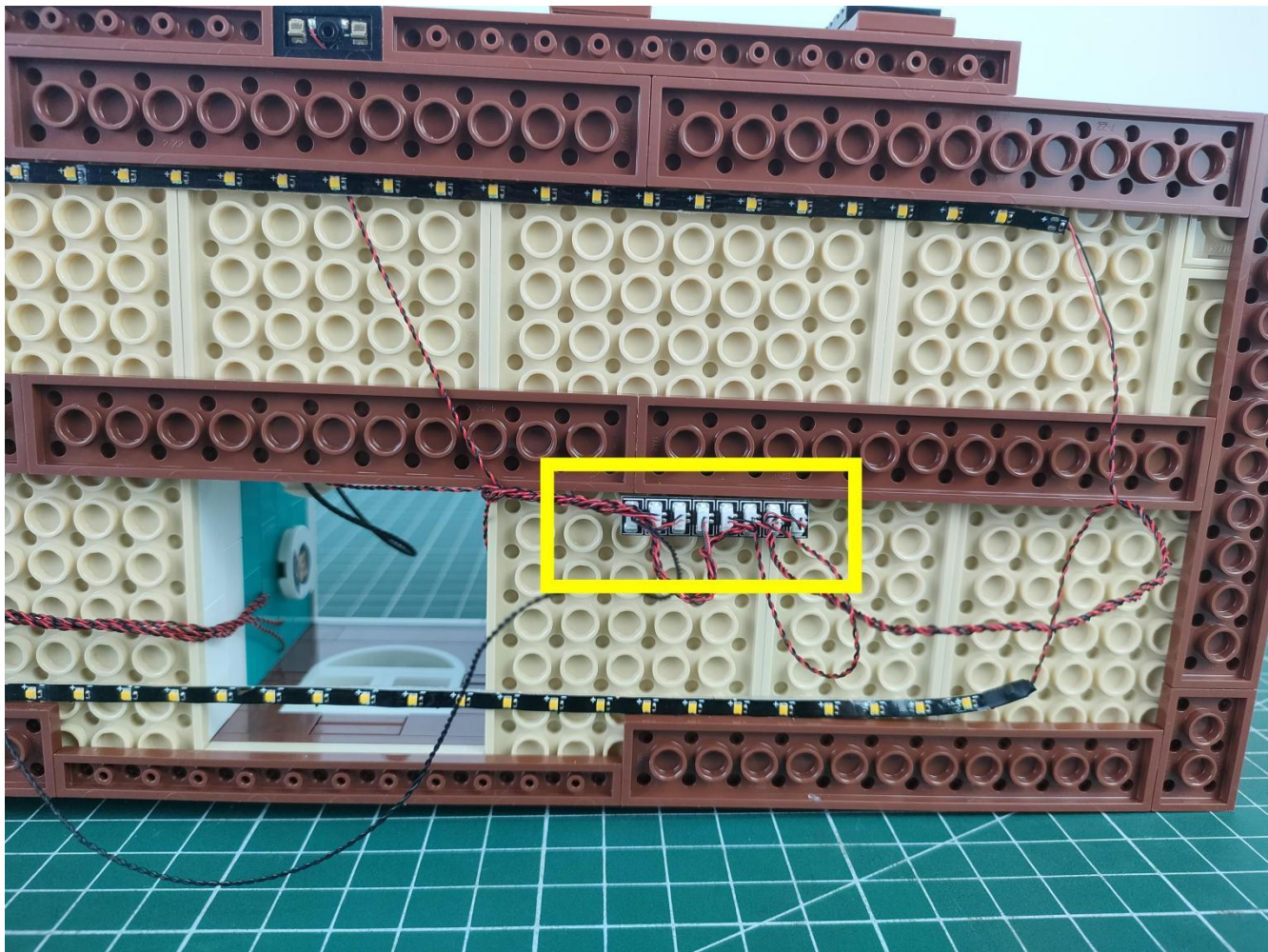




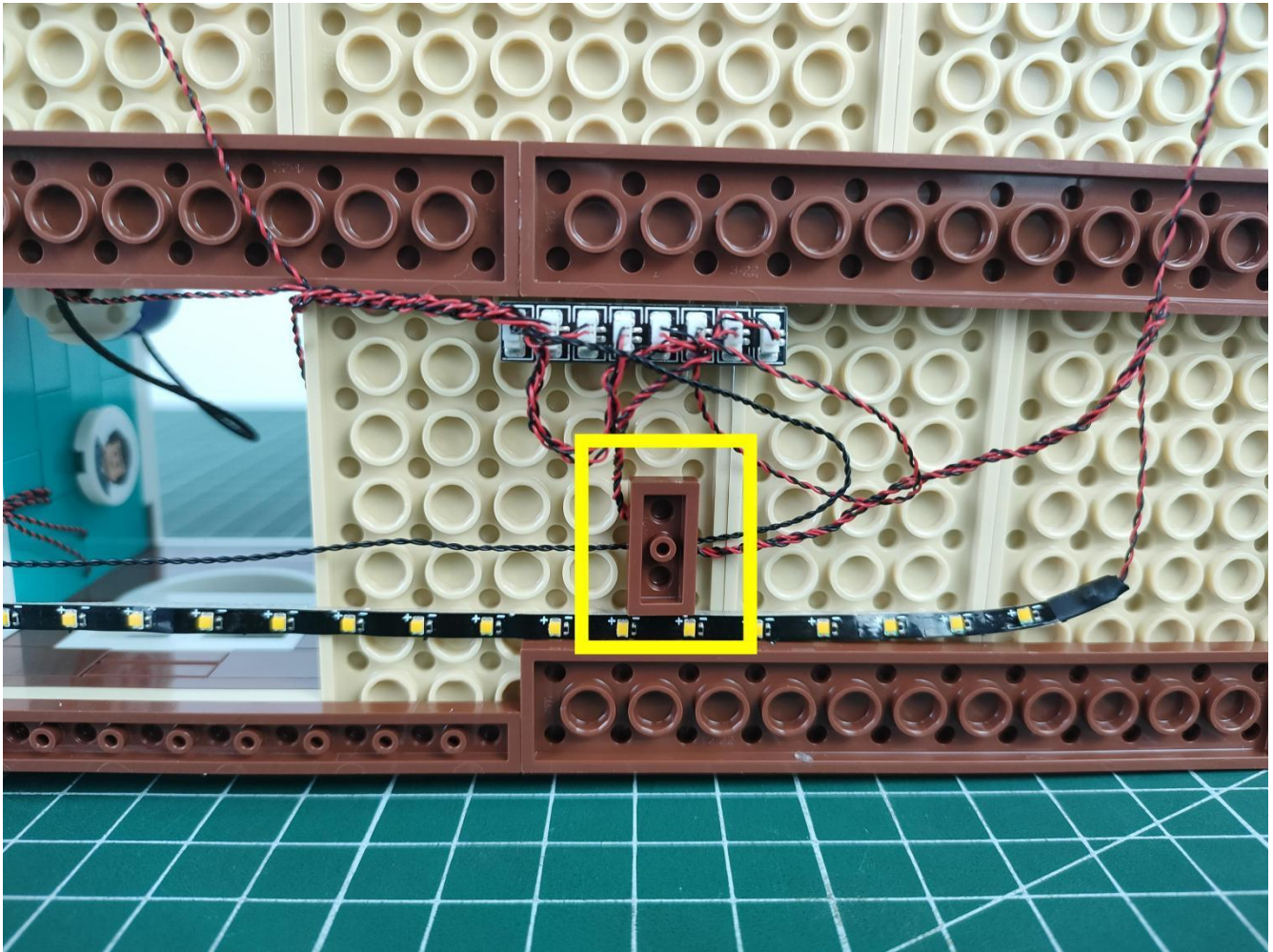












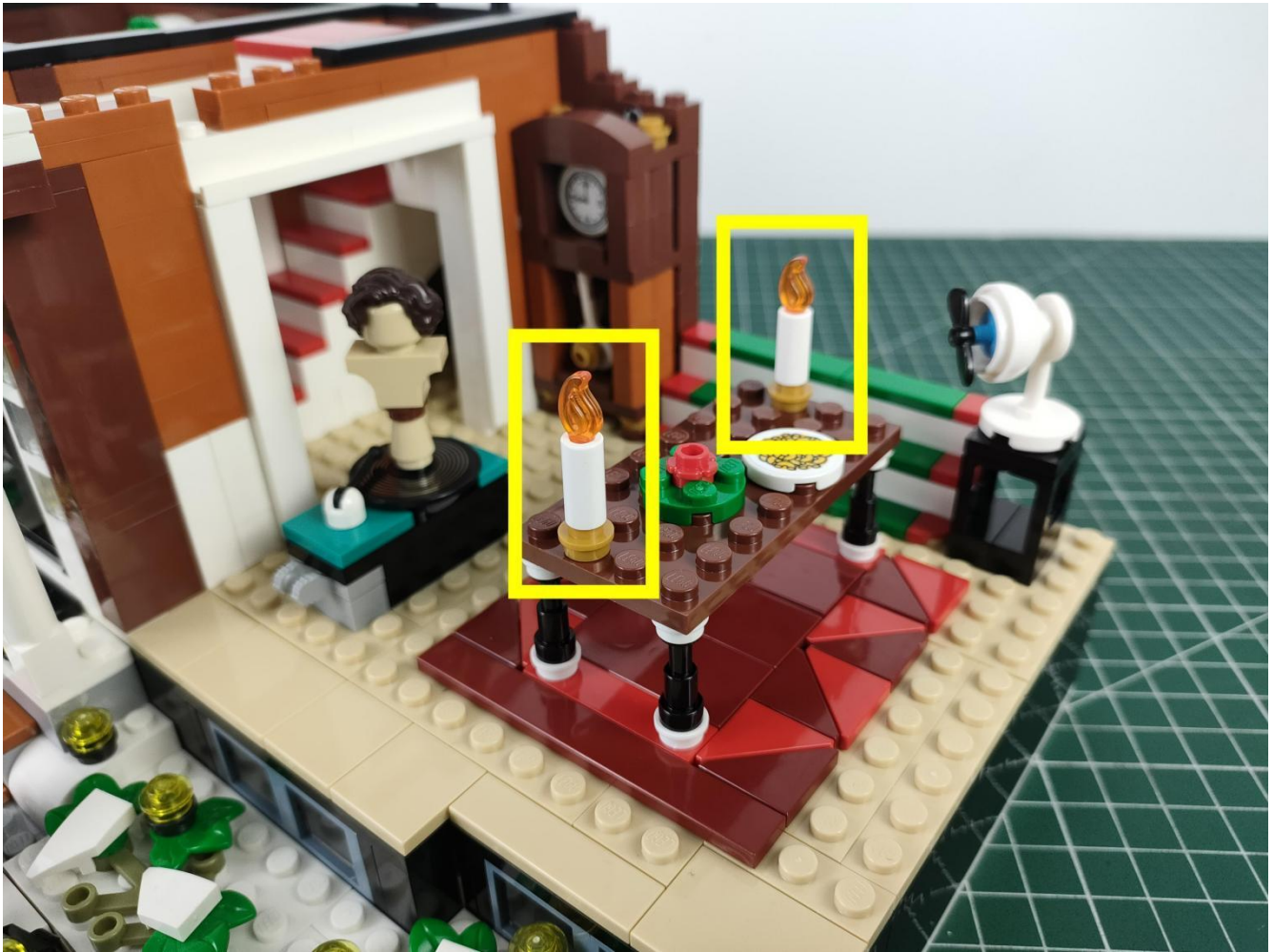




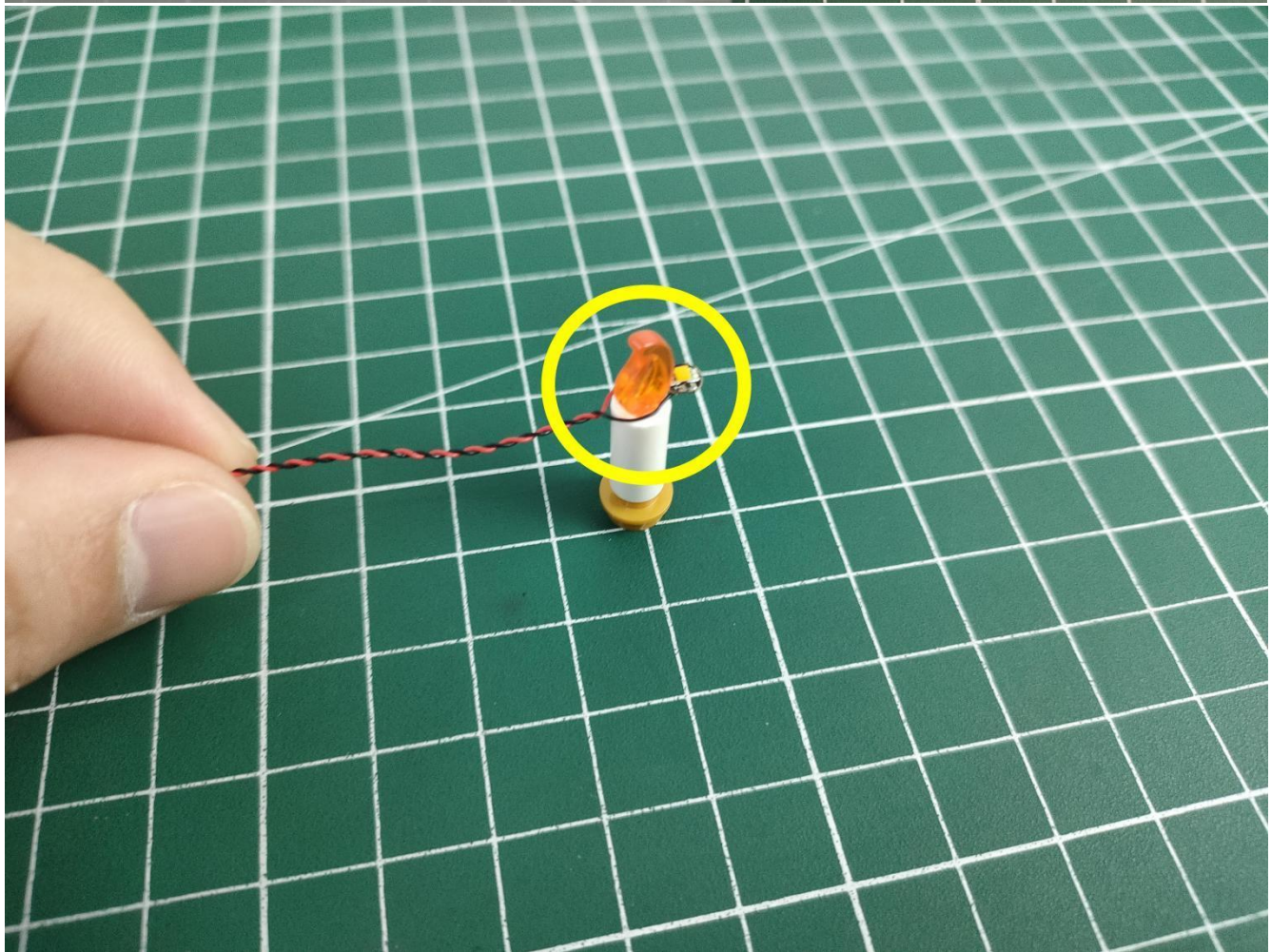




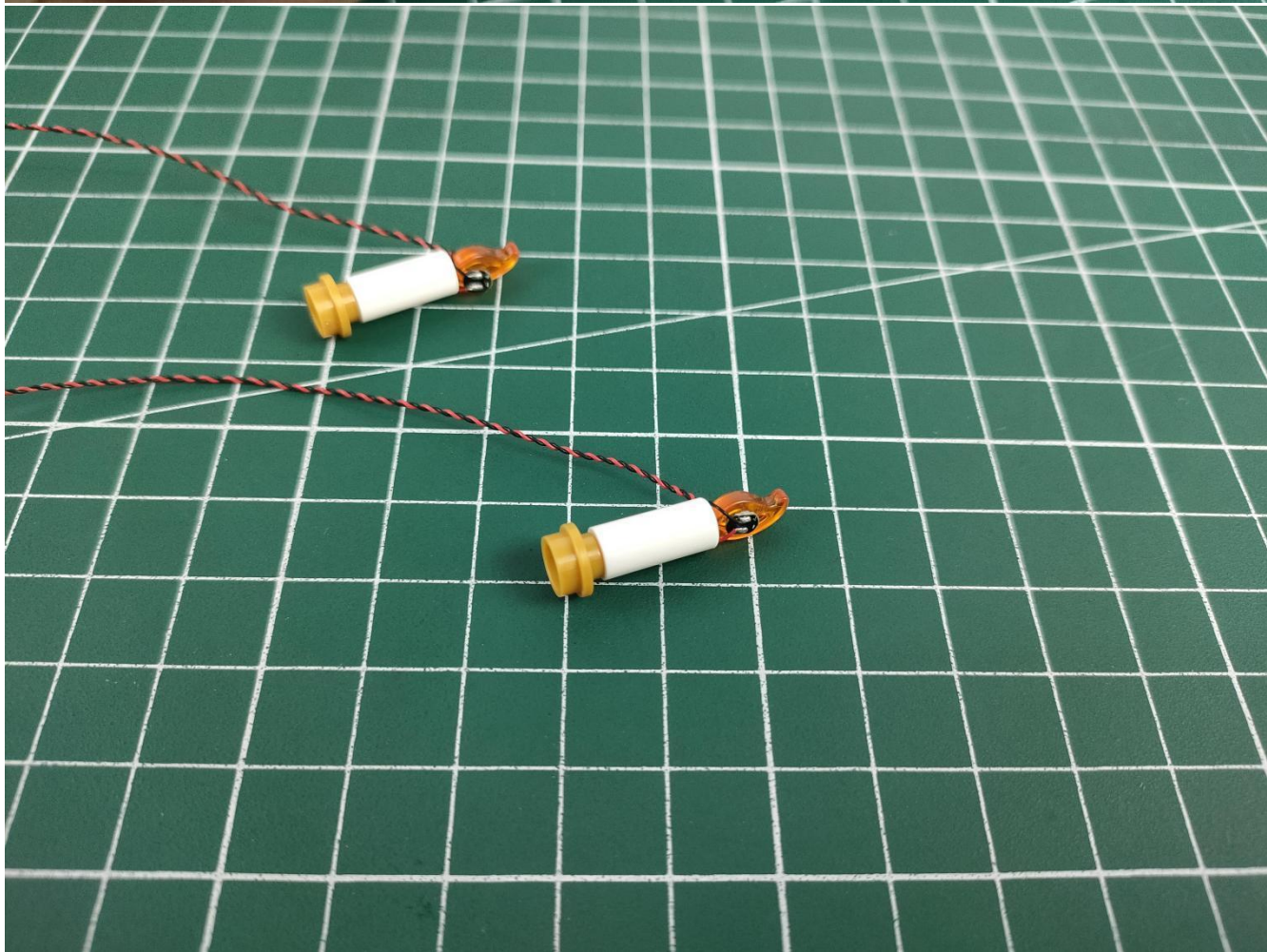
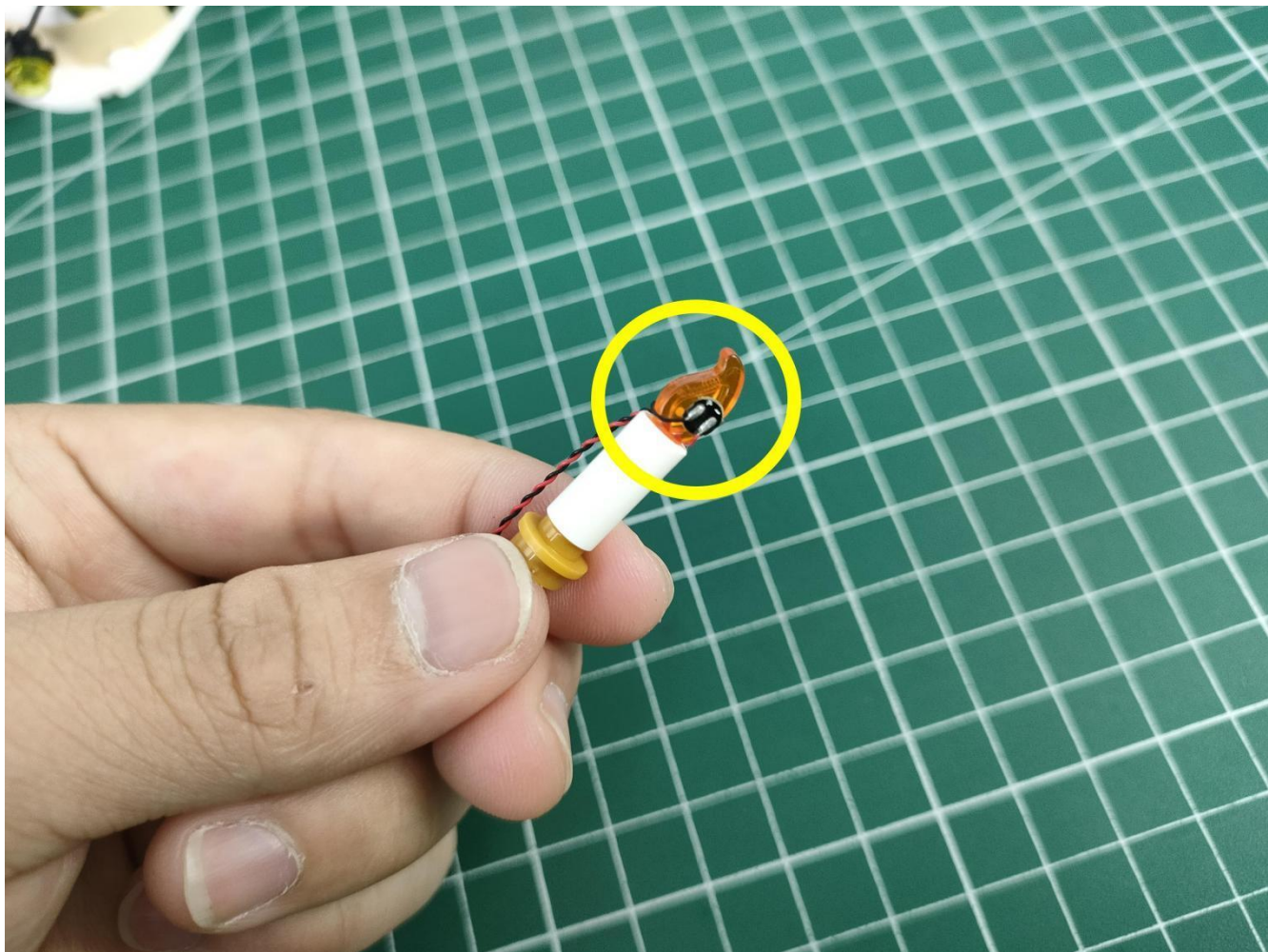




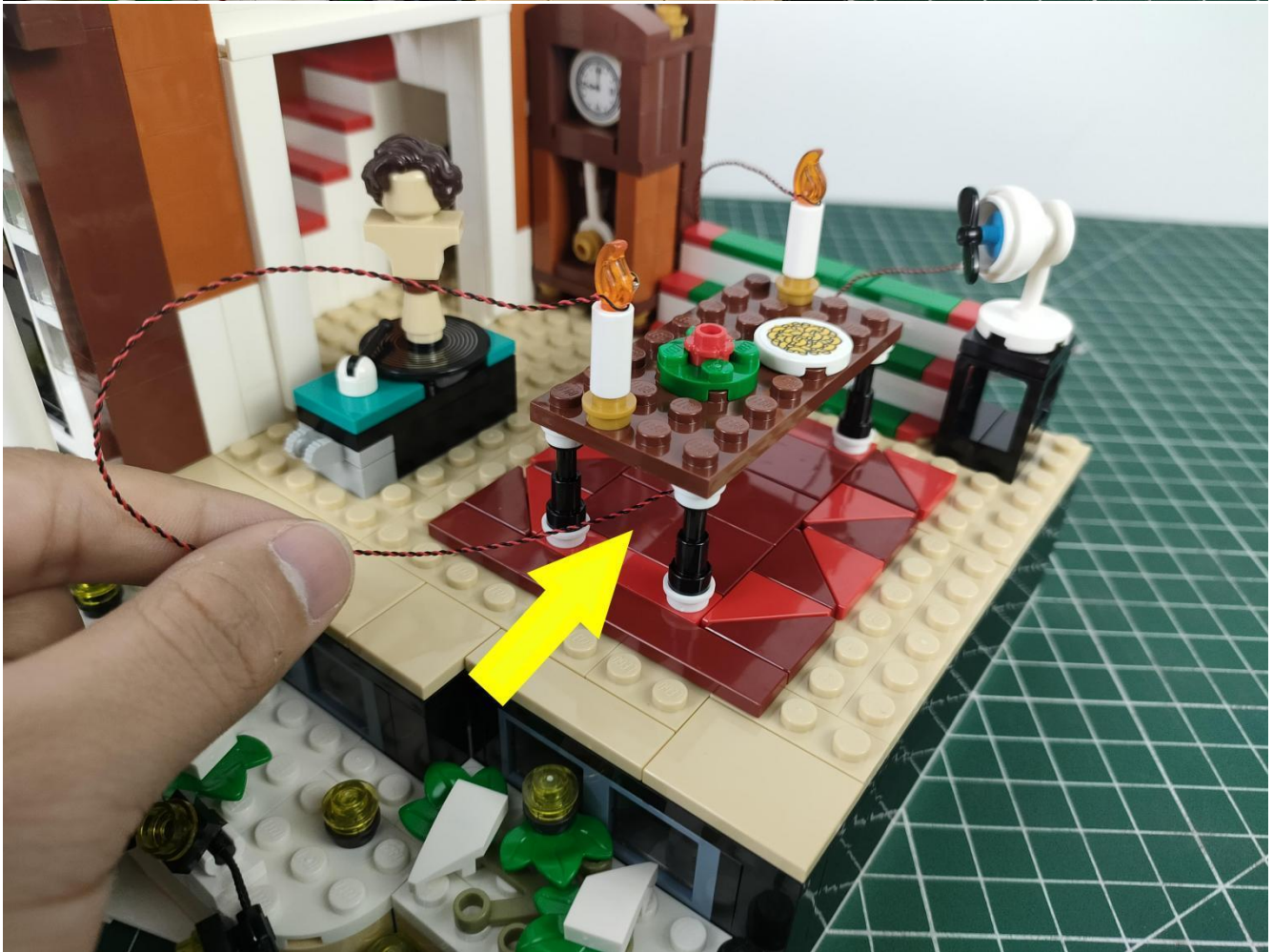












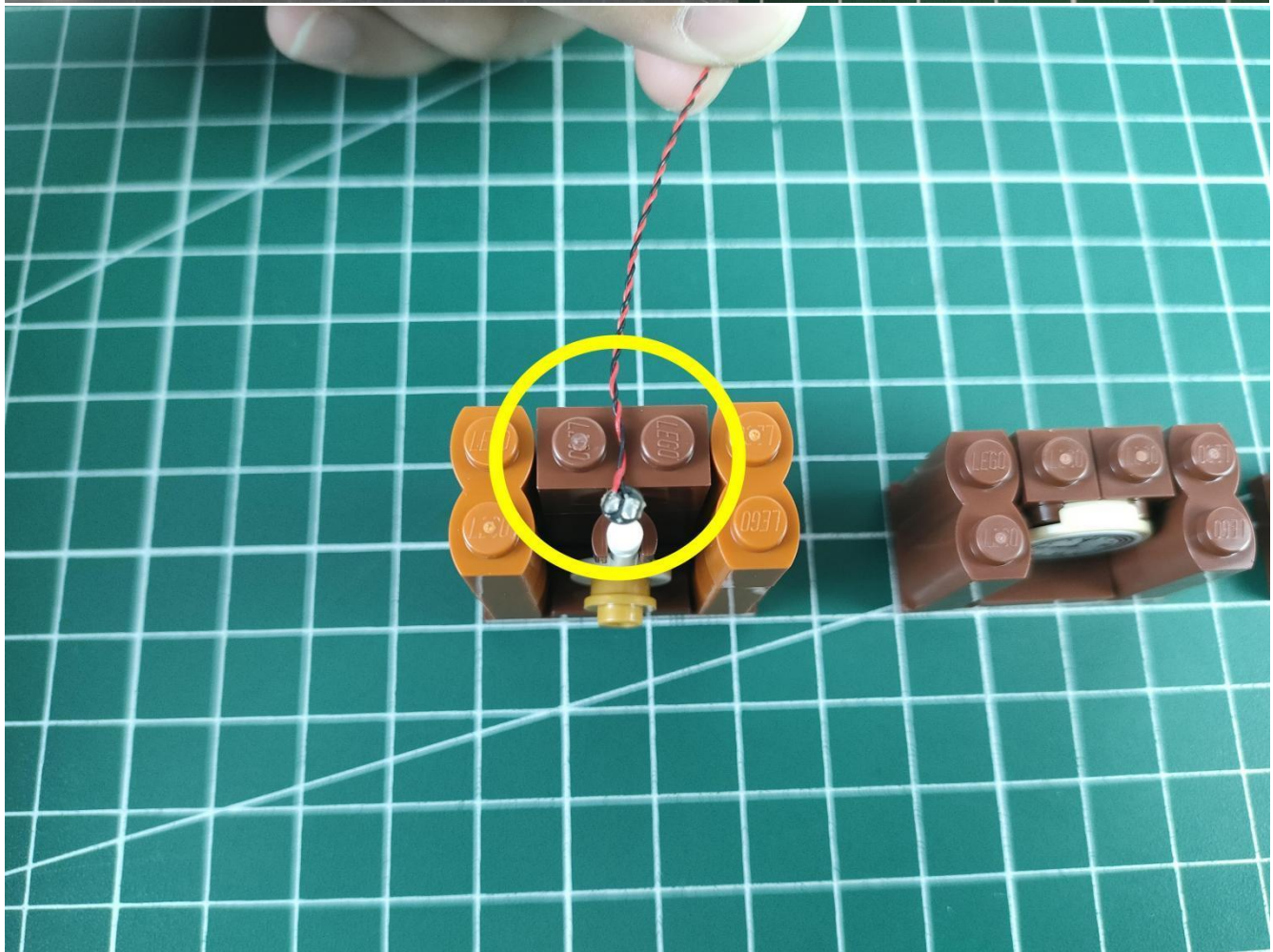




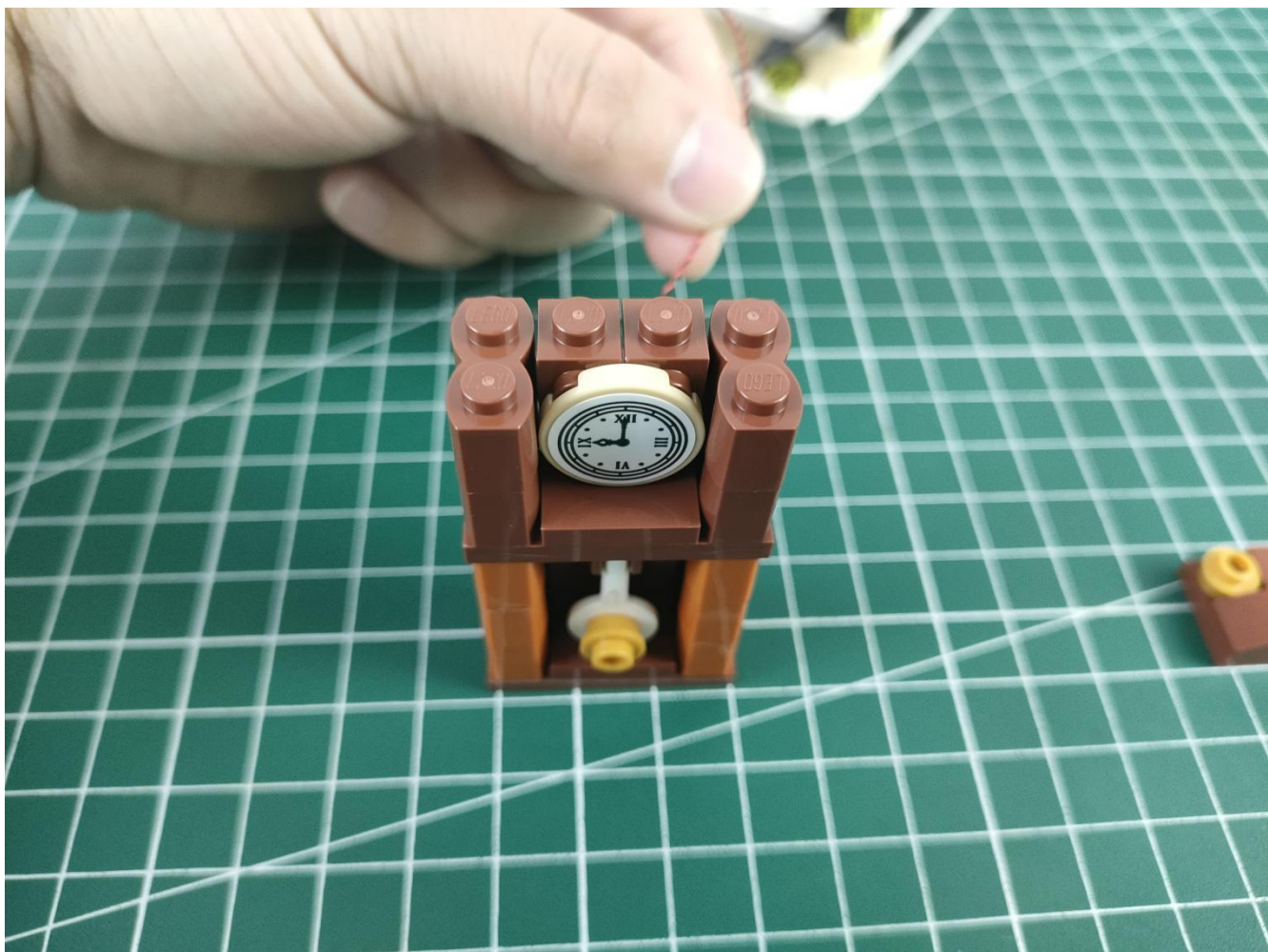












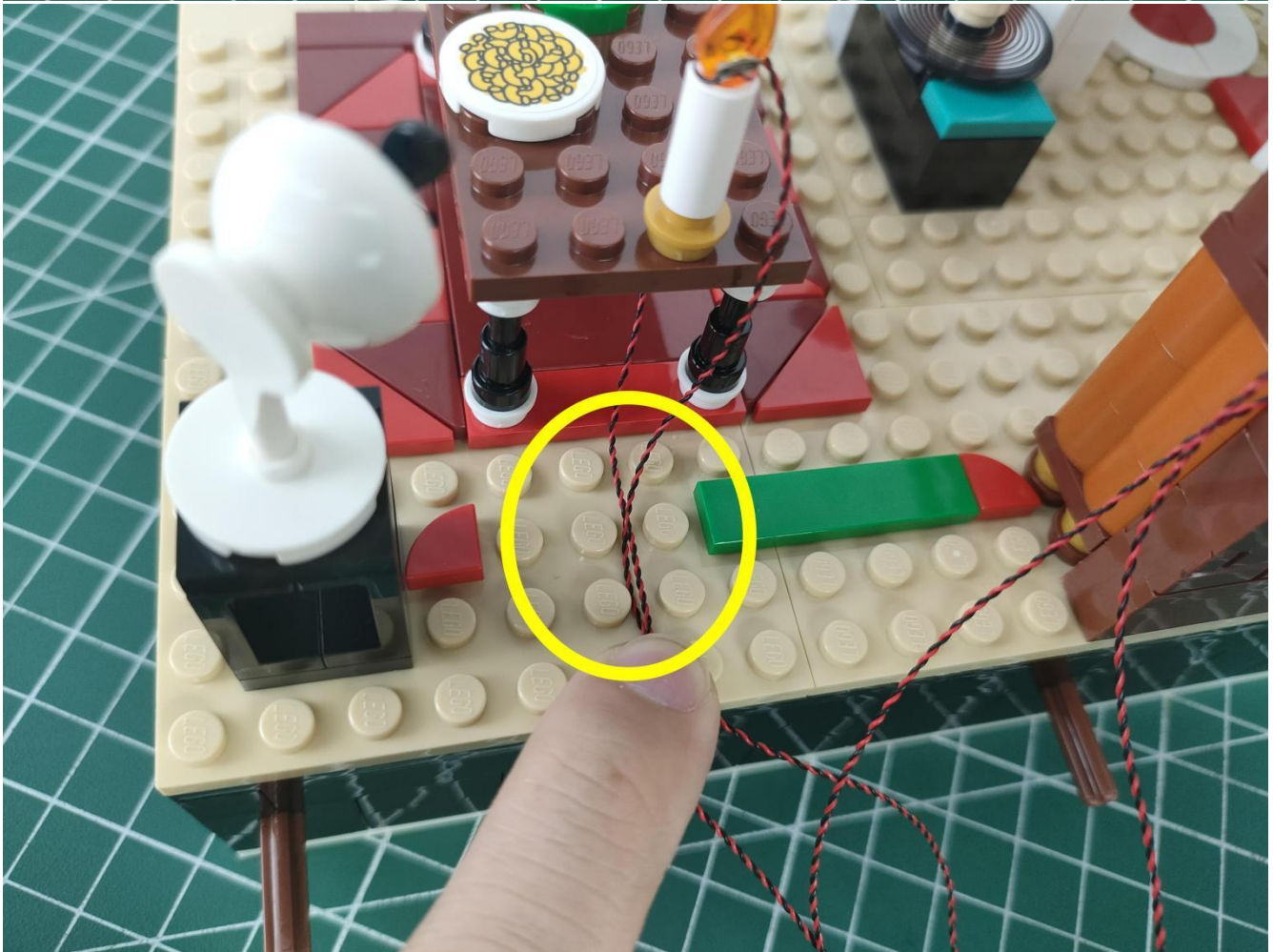
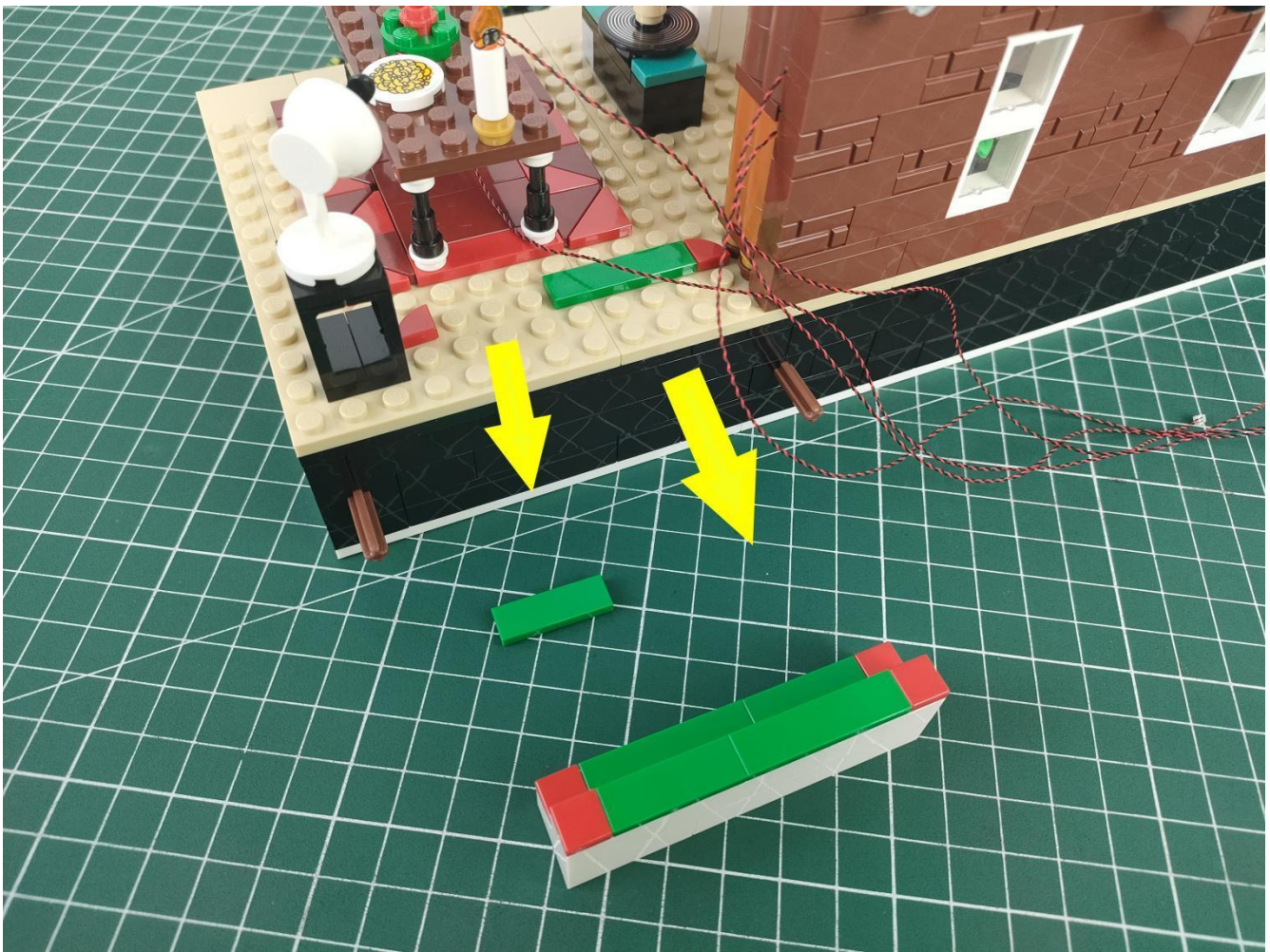




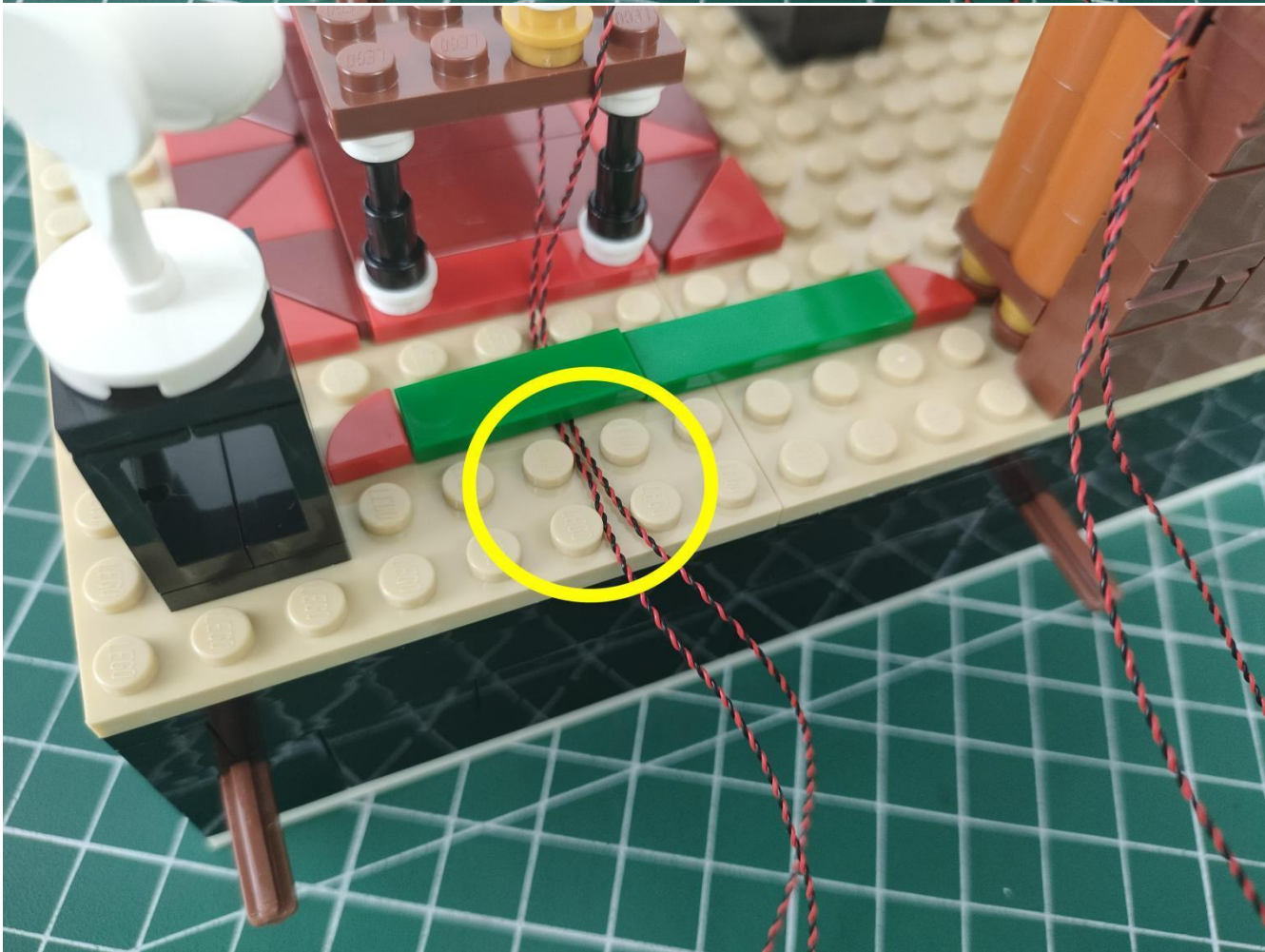
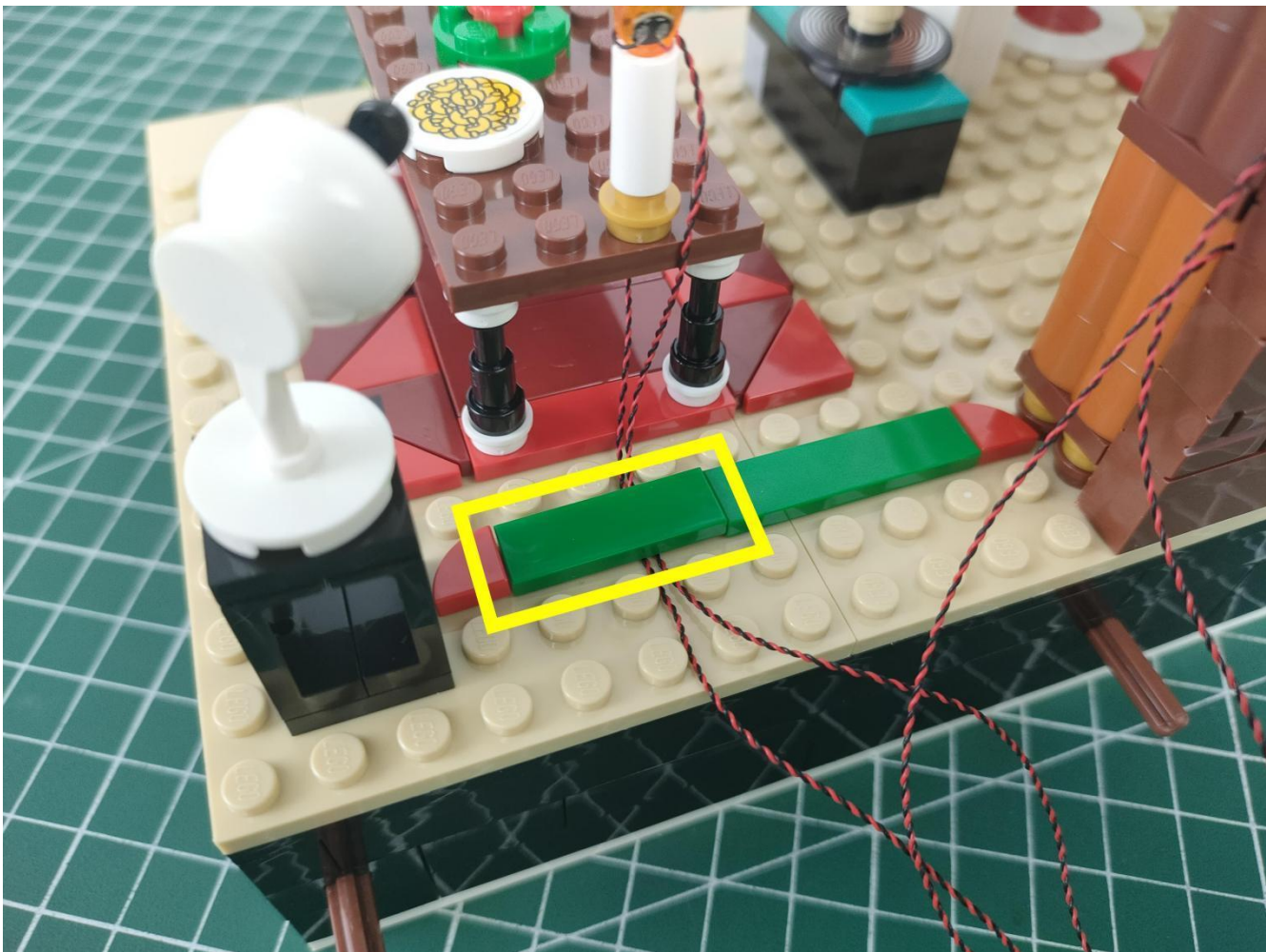




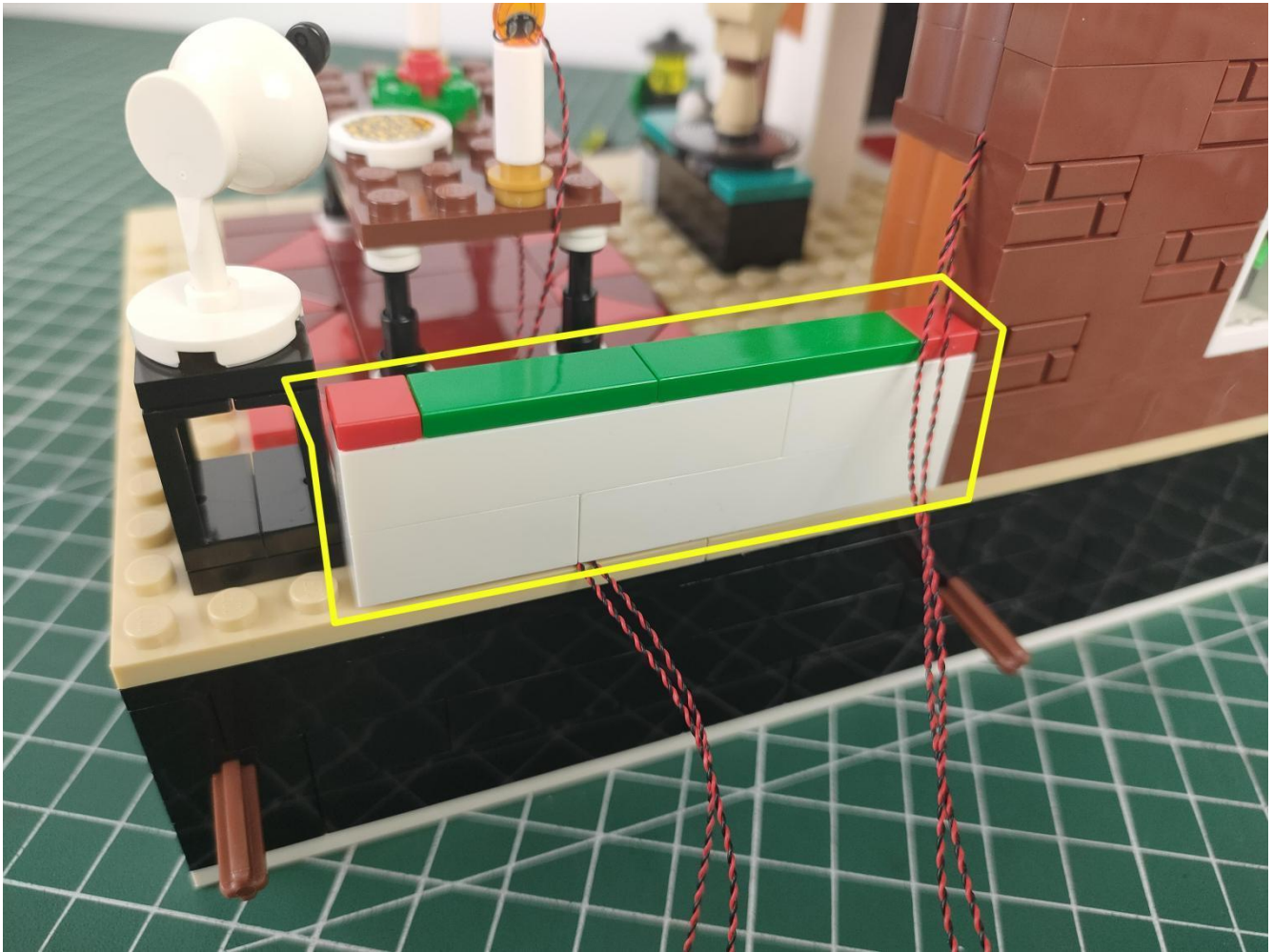






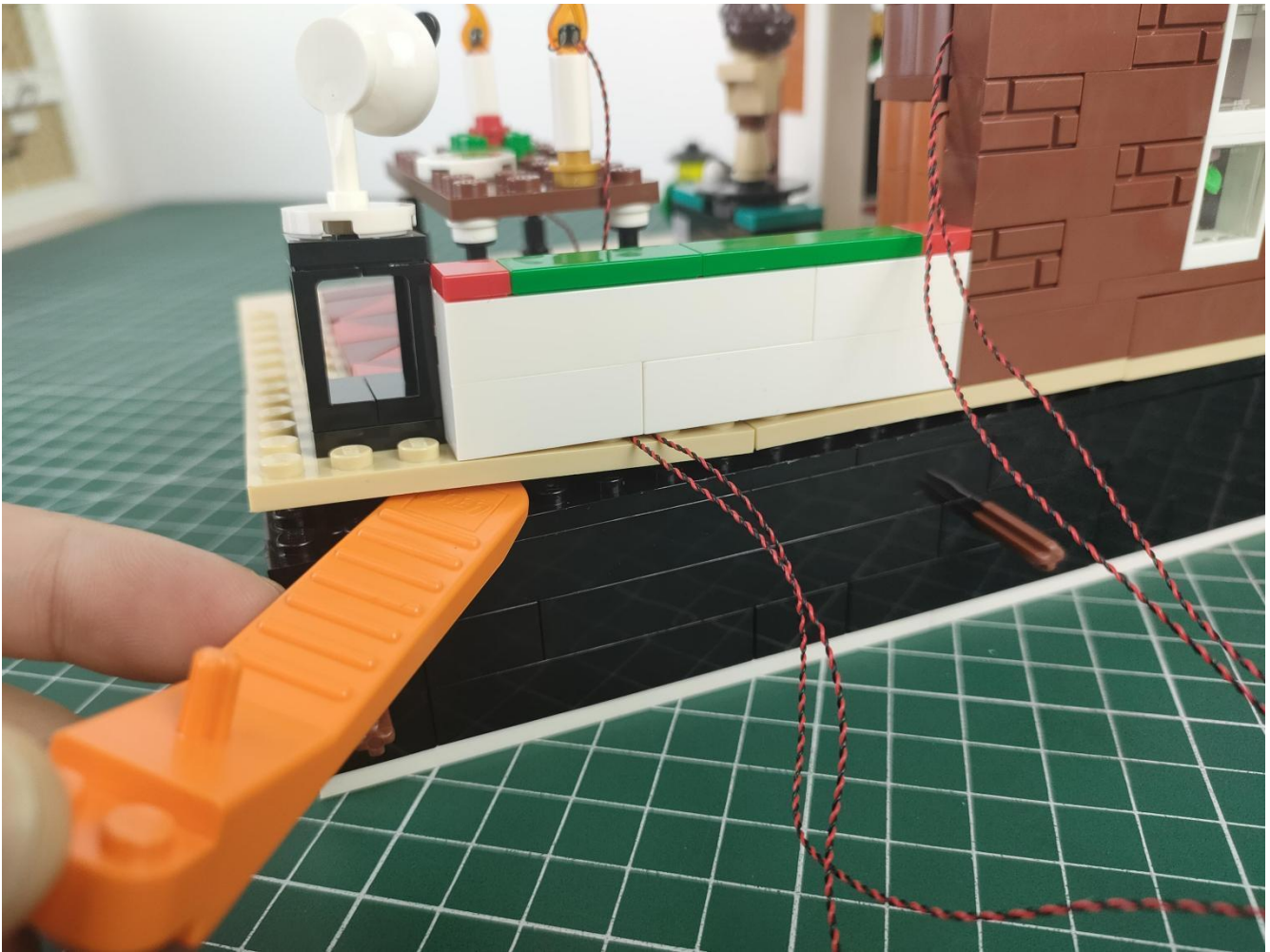






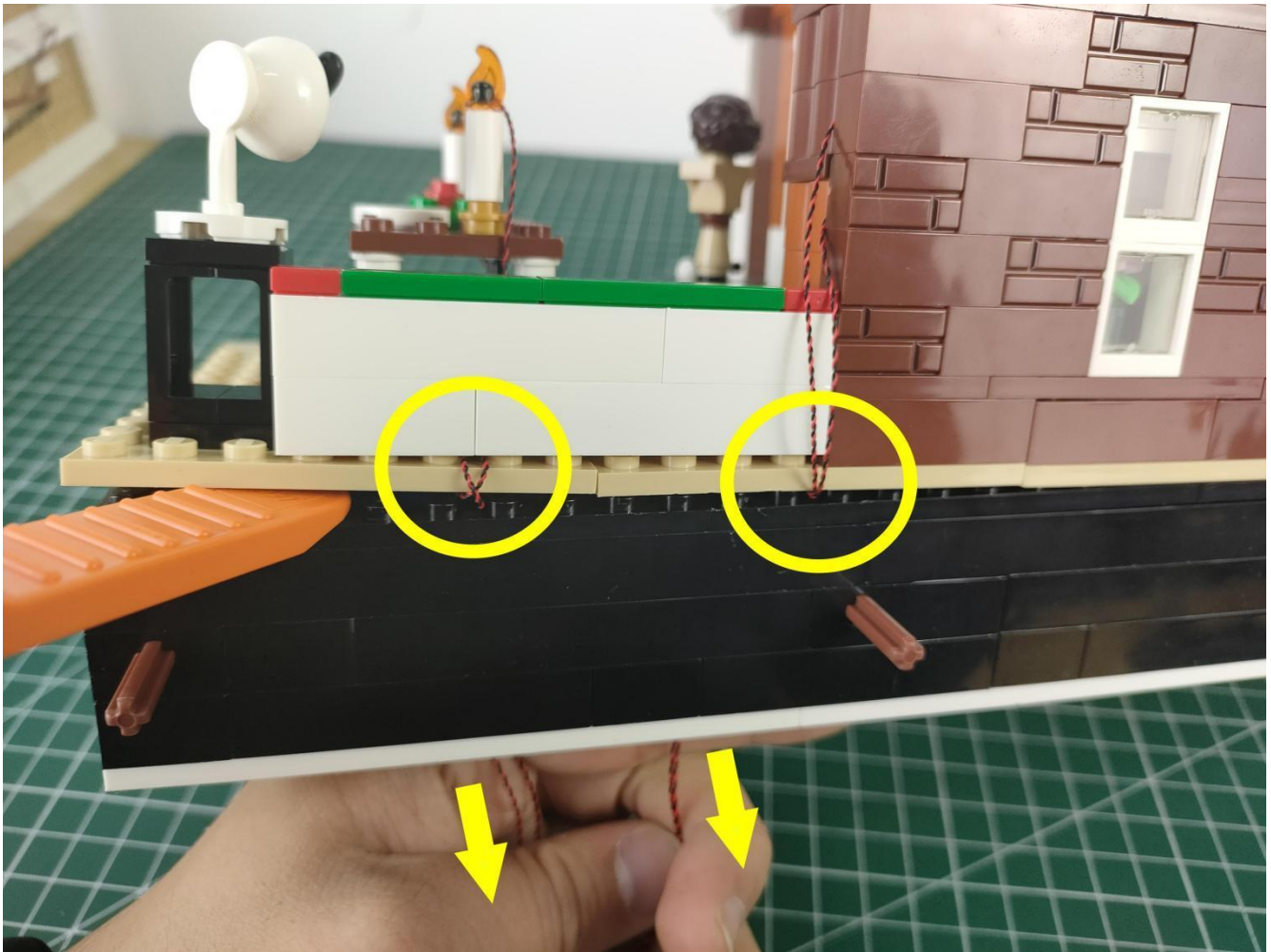


**Use the tools provided by Lego to pry off the floor of the model.**

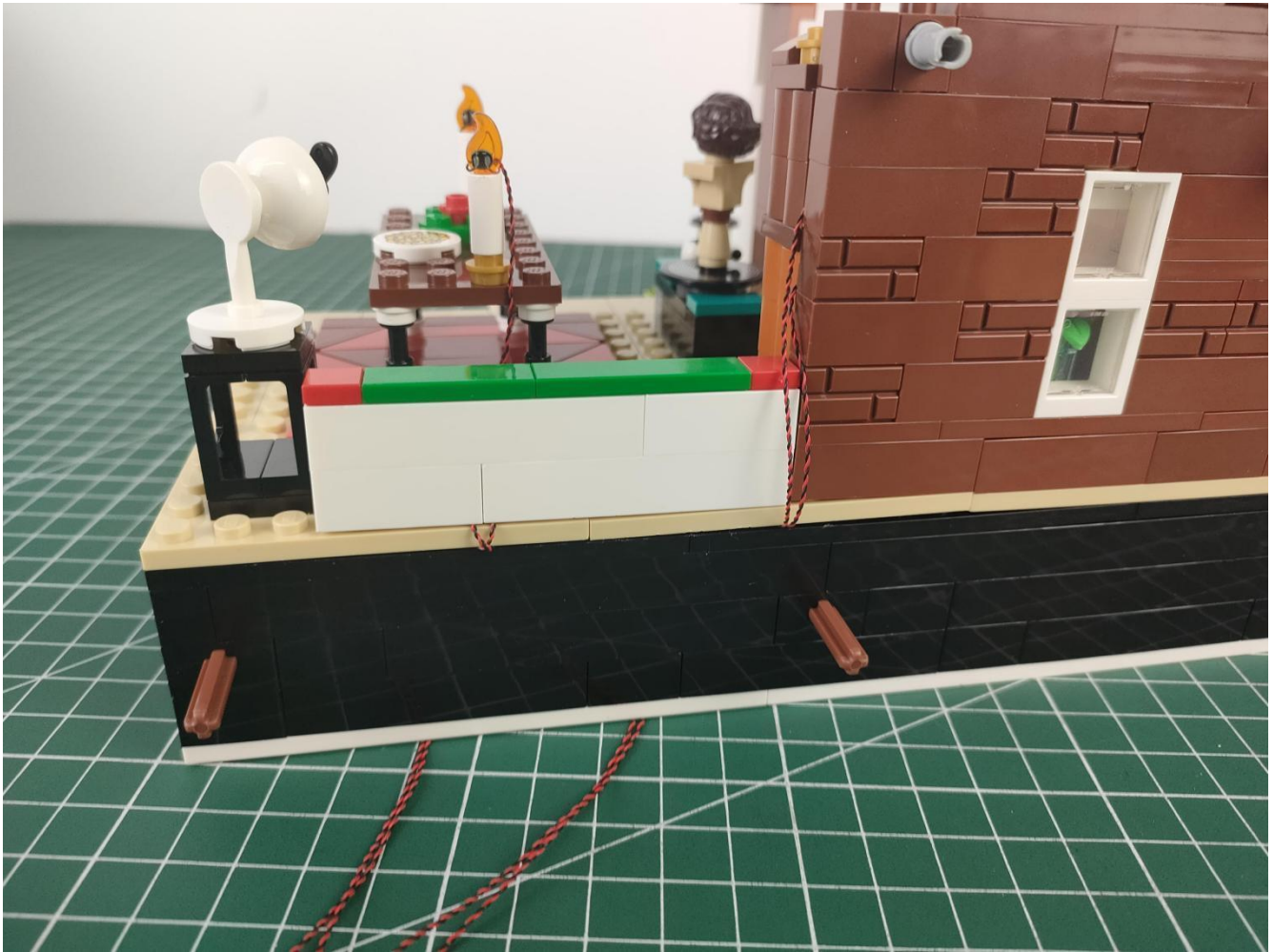




The lighting line goes under the base through the gap of the model.











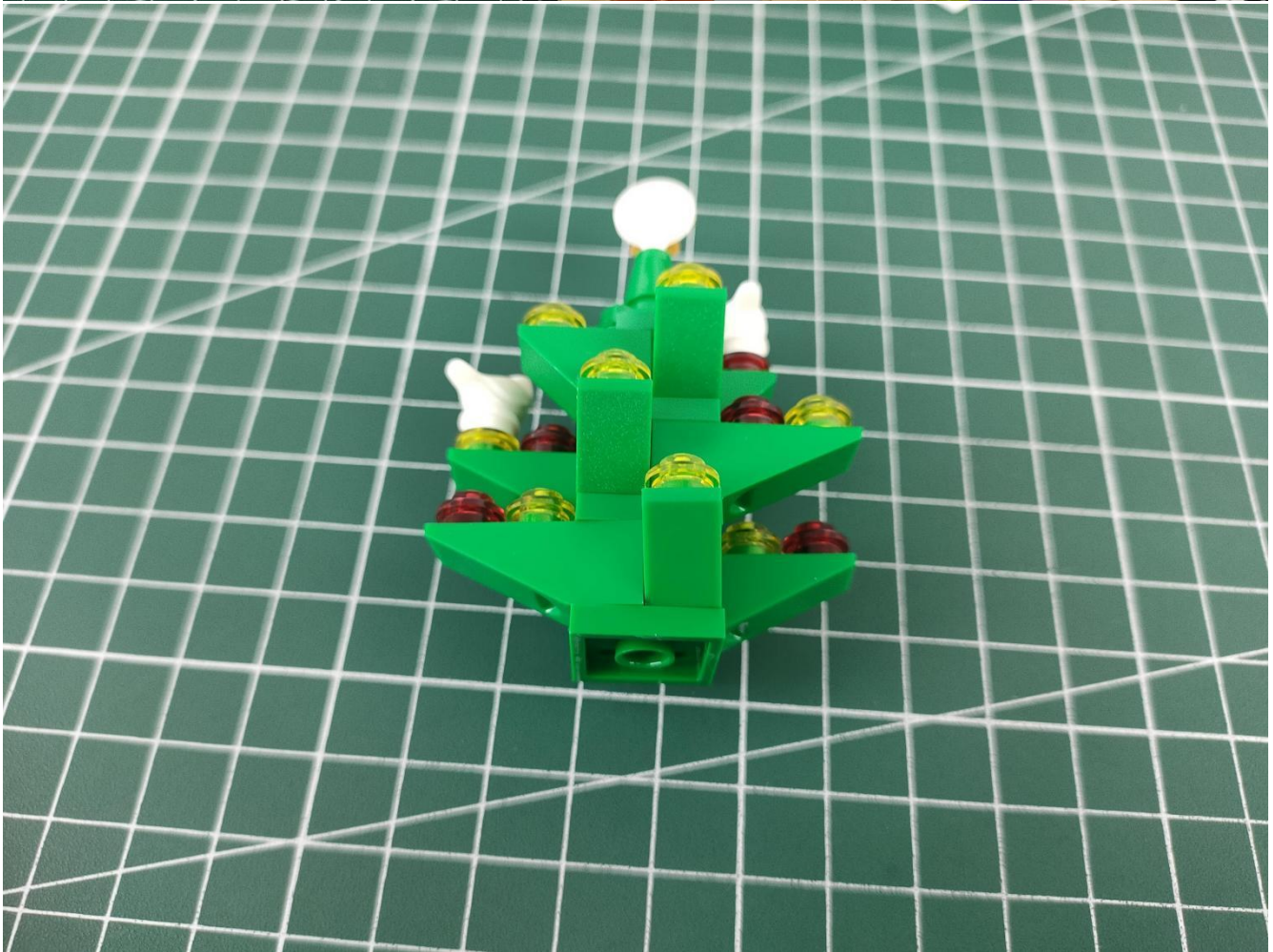




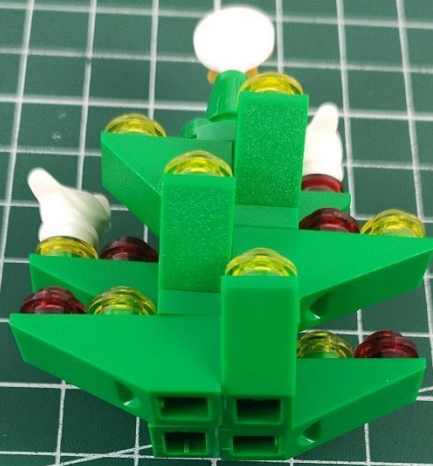








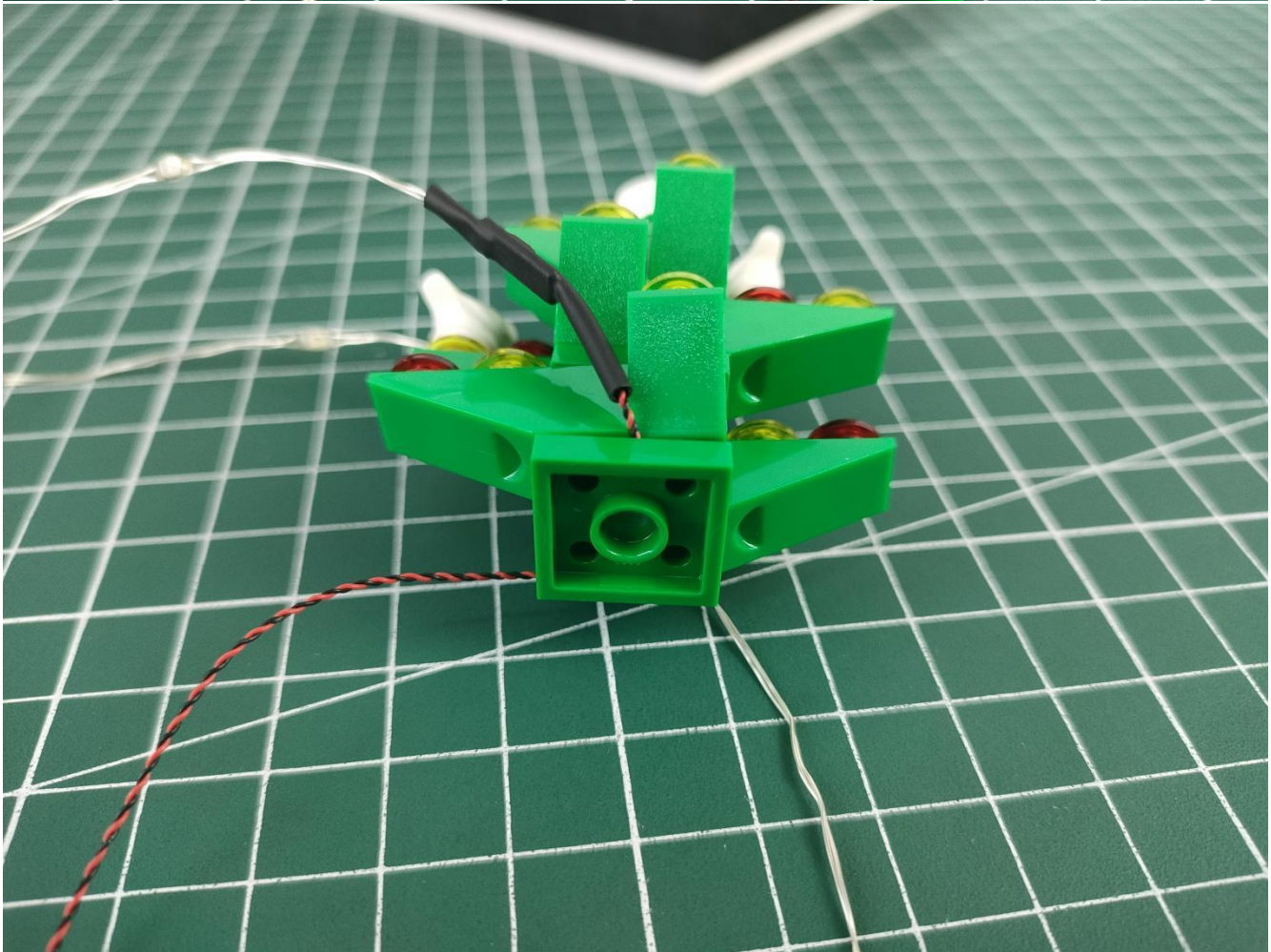
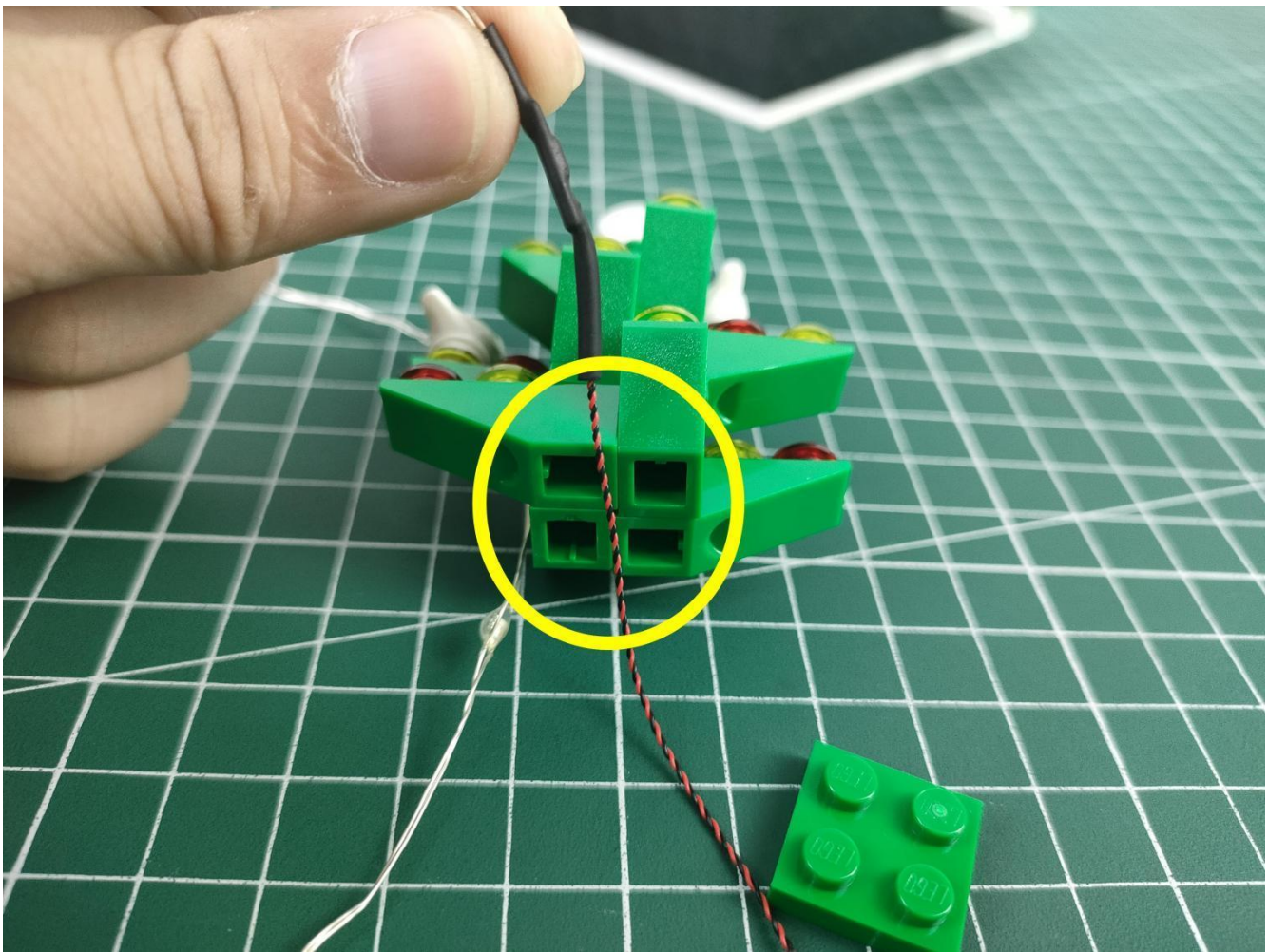




七彩串燈  
Multi-Colour Light  
String

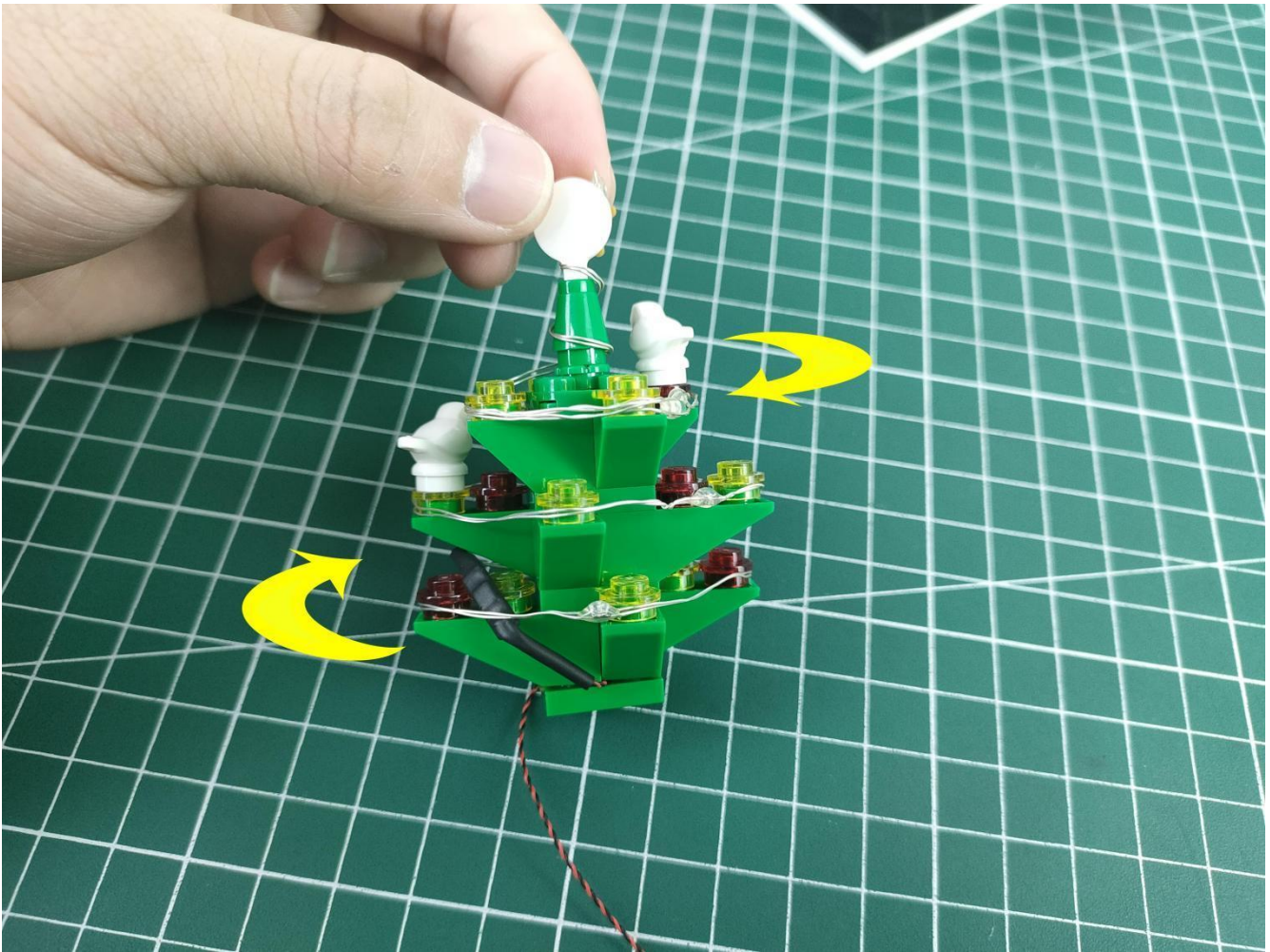








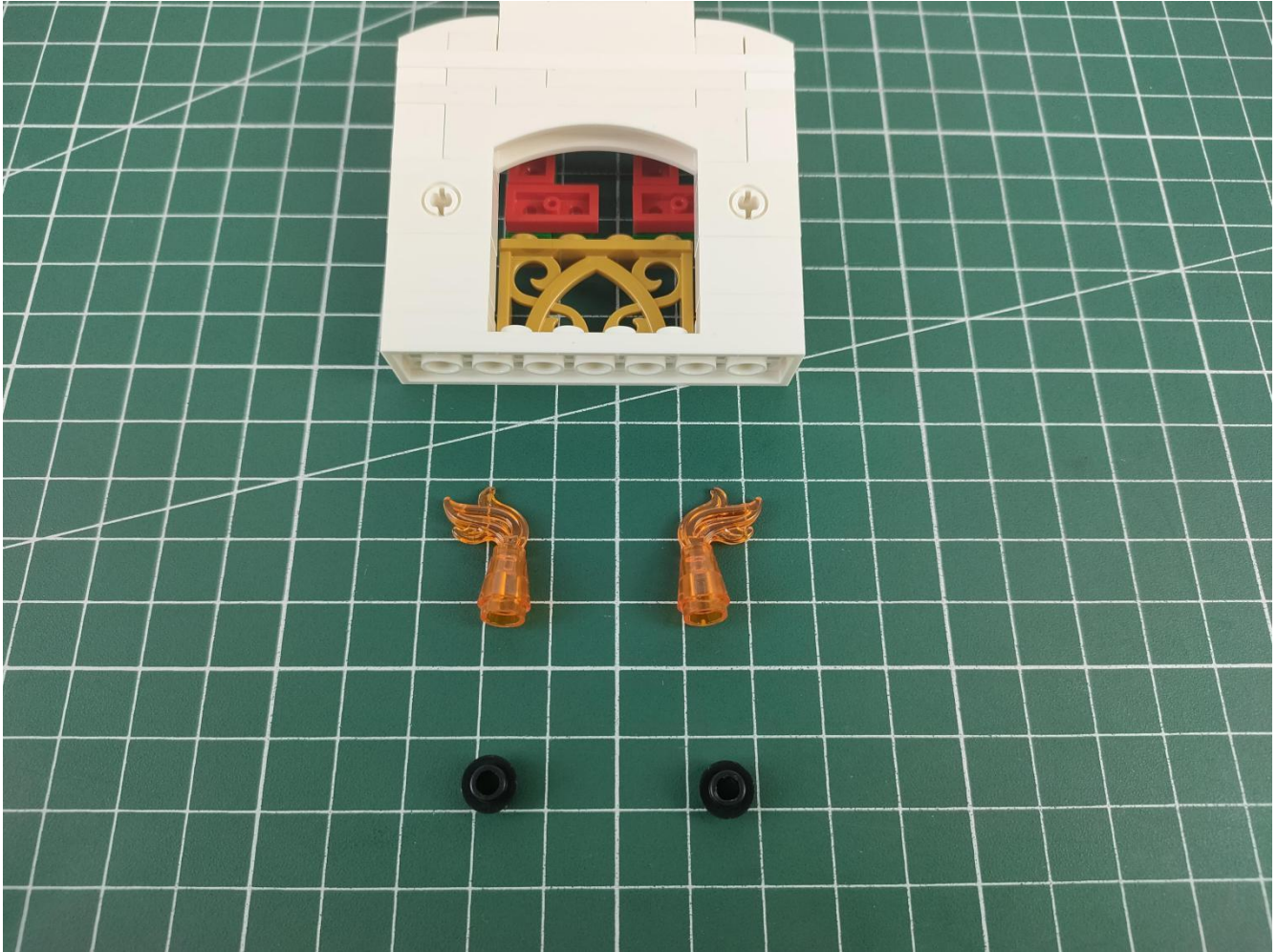
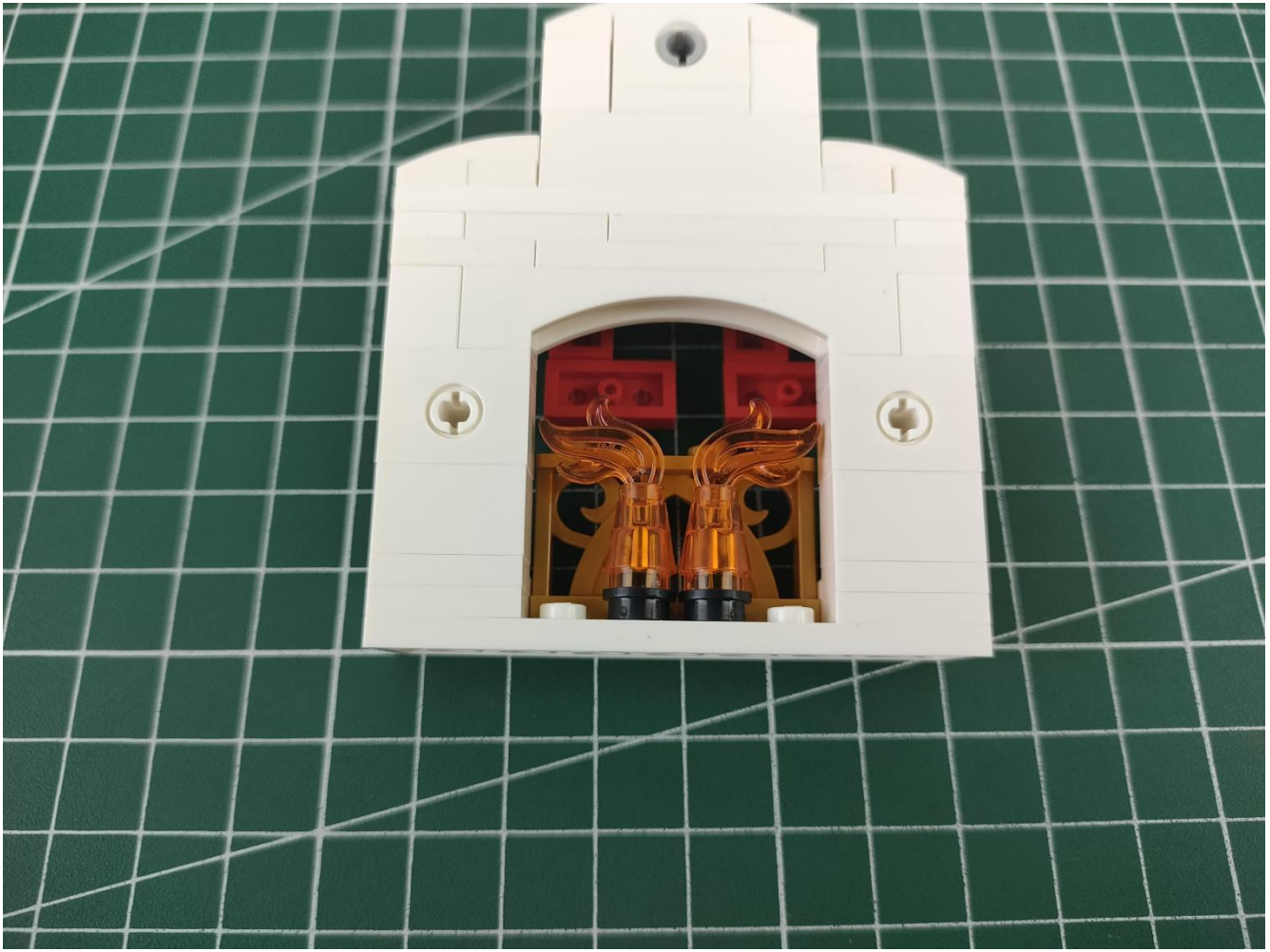
**Wrap the rest around the Christmas tree.**













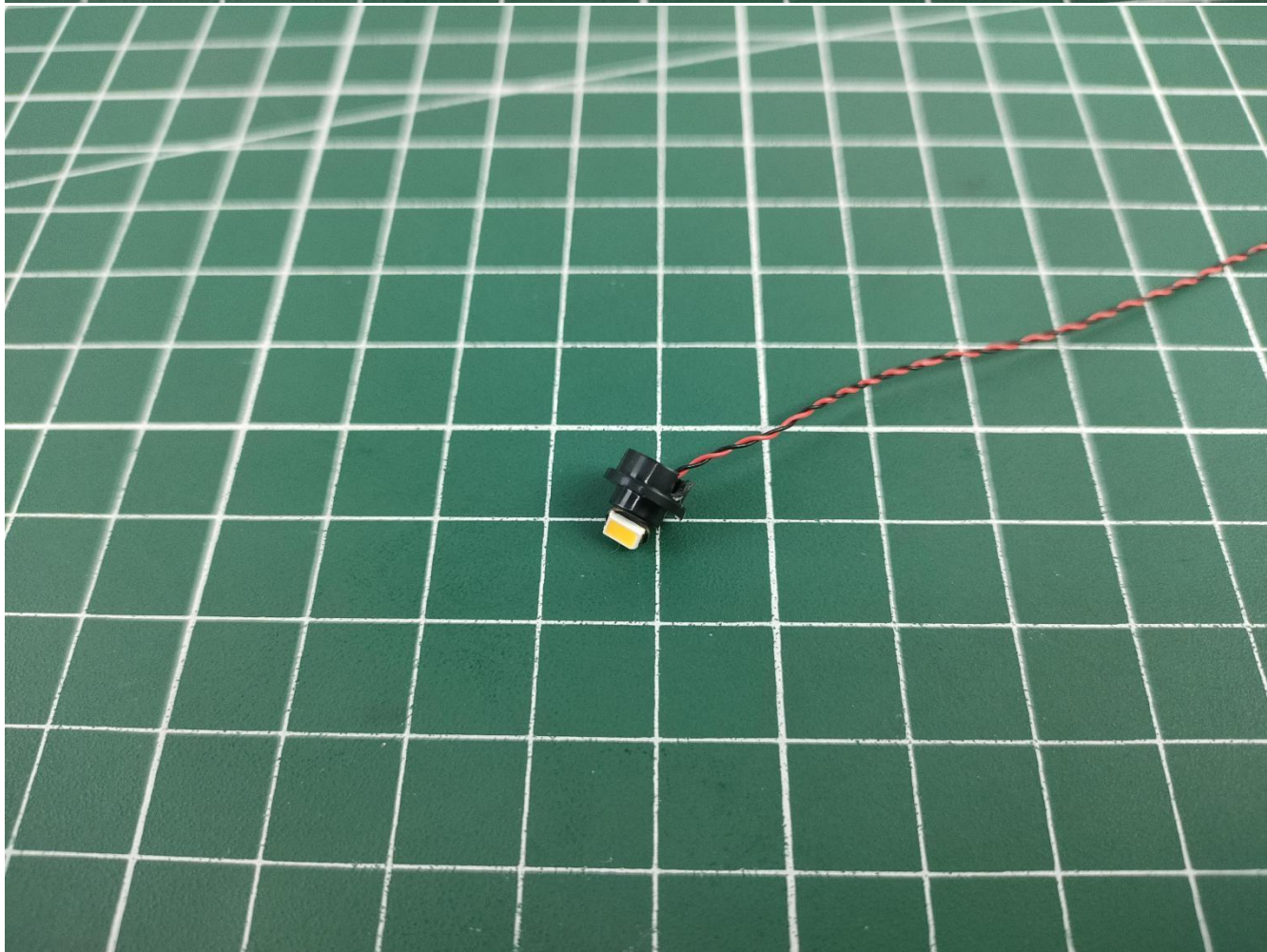
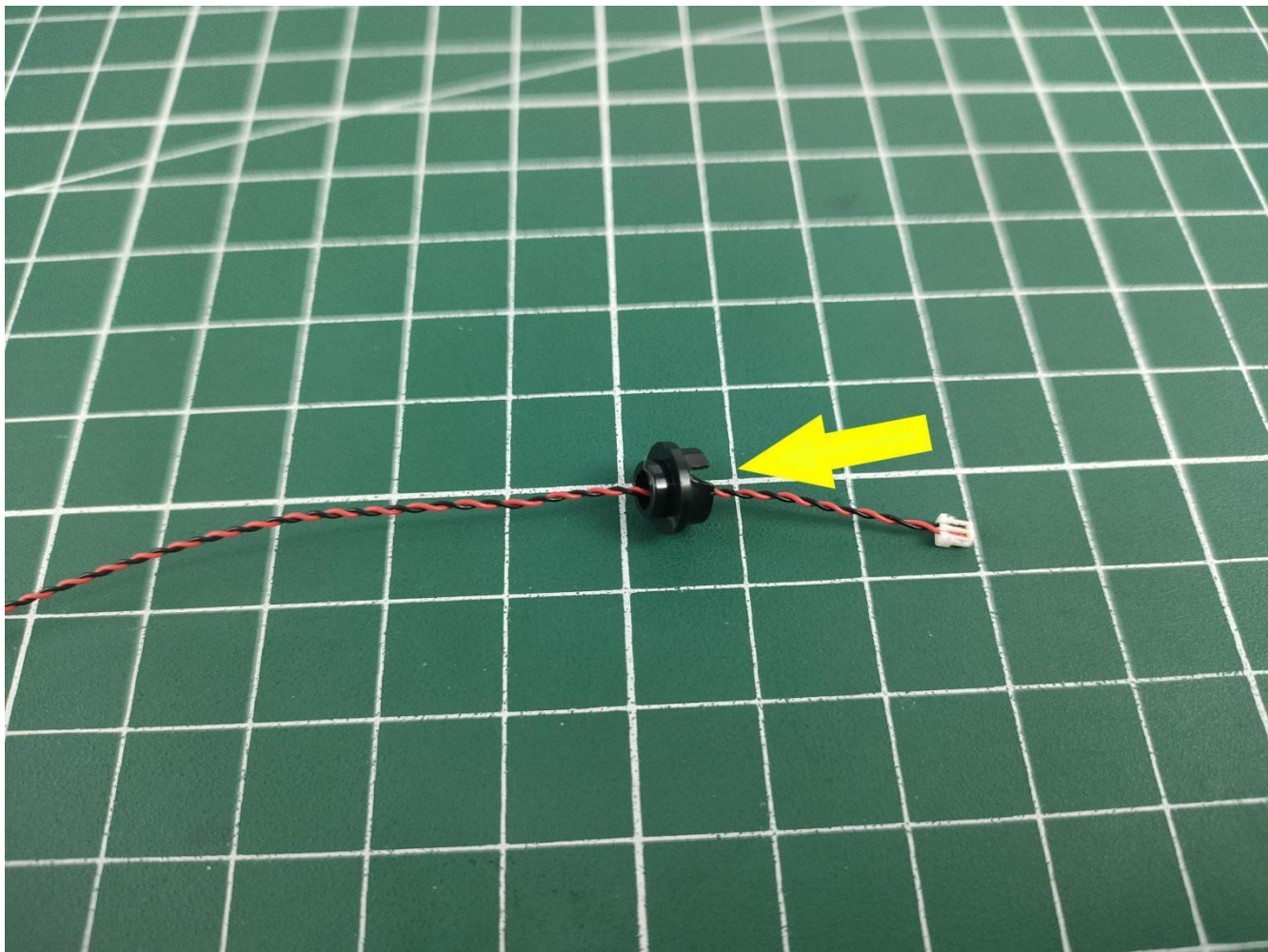
30CM大灯粒暖白  
Headlights-30CM  
-Warm White



零配件  
Parts Package

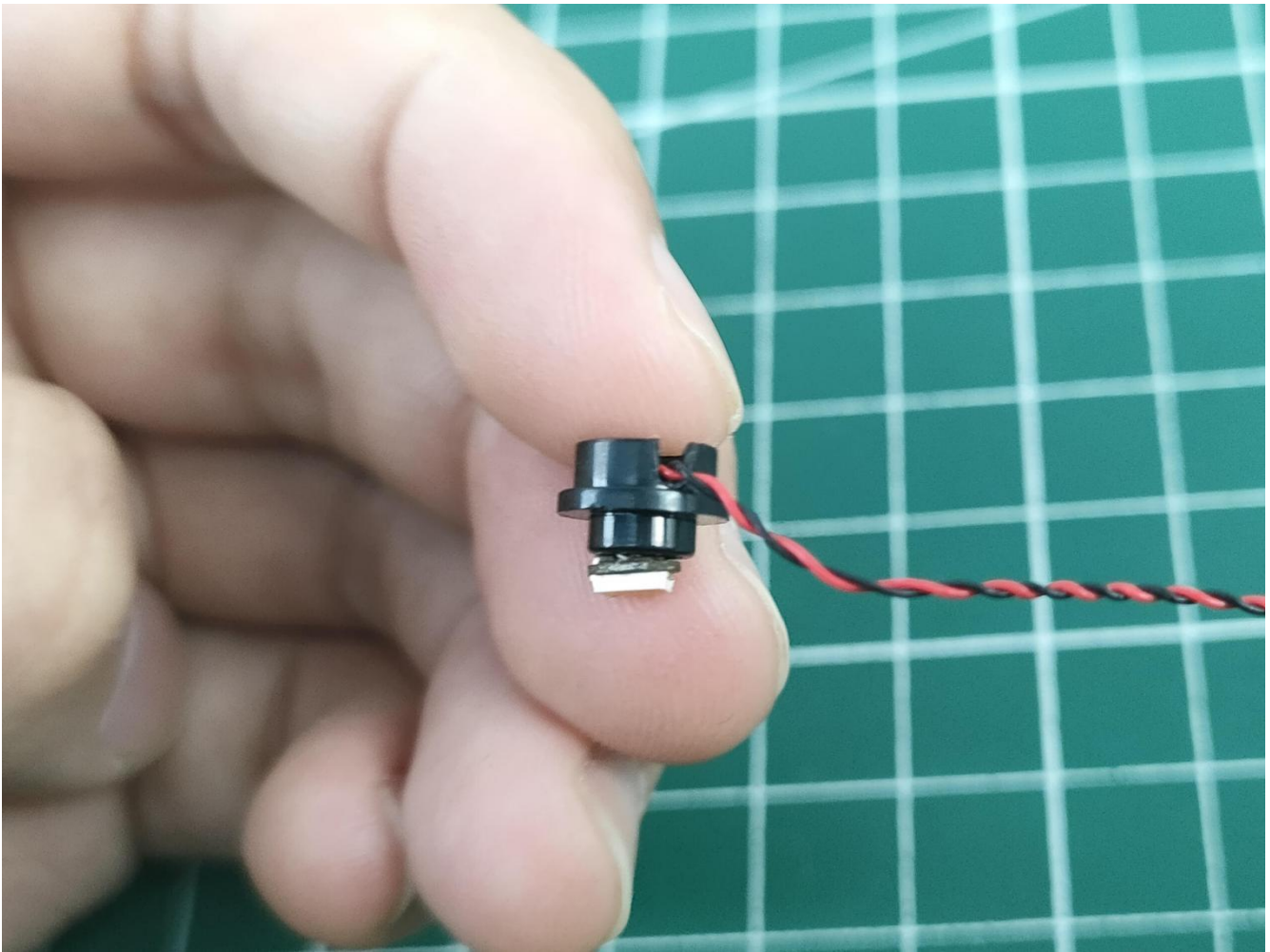








**The lamp thread is stuck in the cut of the small circular plate.**





# Tips

The plate without slit:

## The plate without slit:

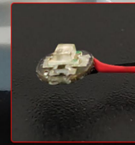
The squeeze causes the protective layer of the wire to be torn apart, the positive and negative wires touch together, and the set is short-circuited and the hot or wire is crushed, the wire to be disconnected and don't work.



The plate with slit:

## The plate with slit:

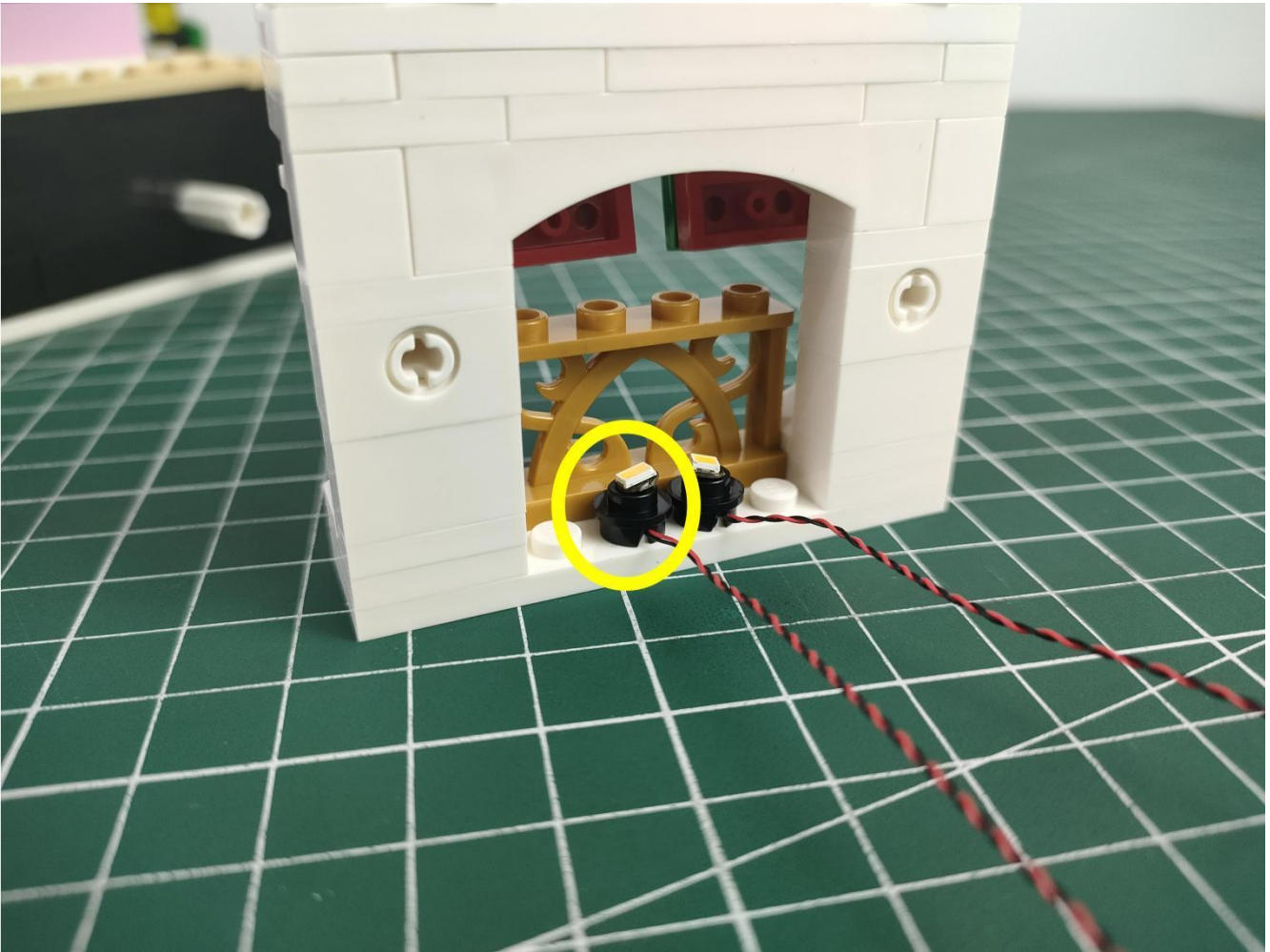
The wire has enough space to avoid being squeezed endowed with longer service life and more stable effect.



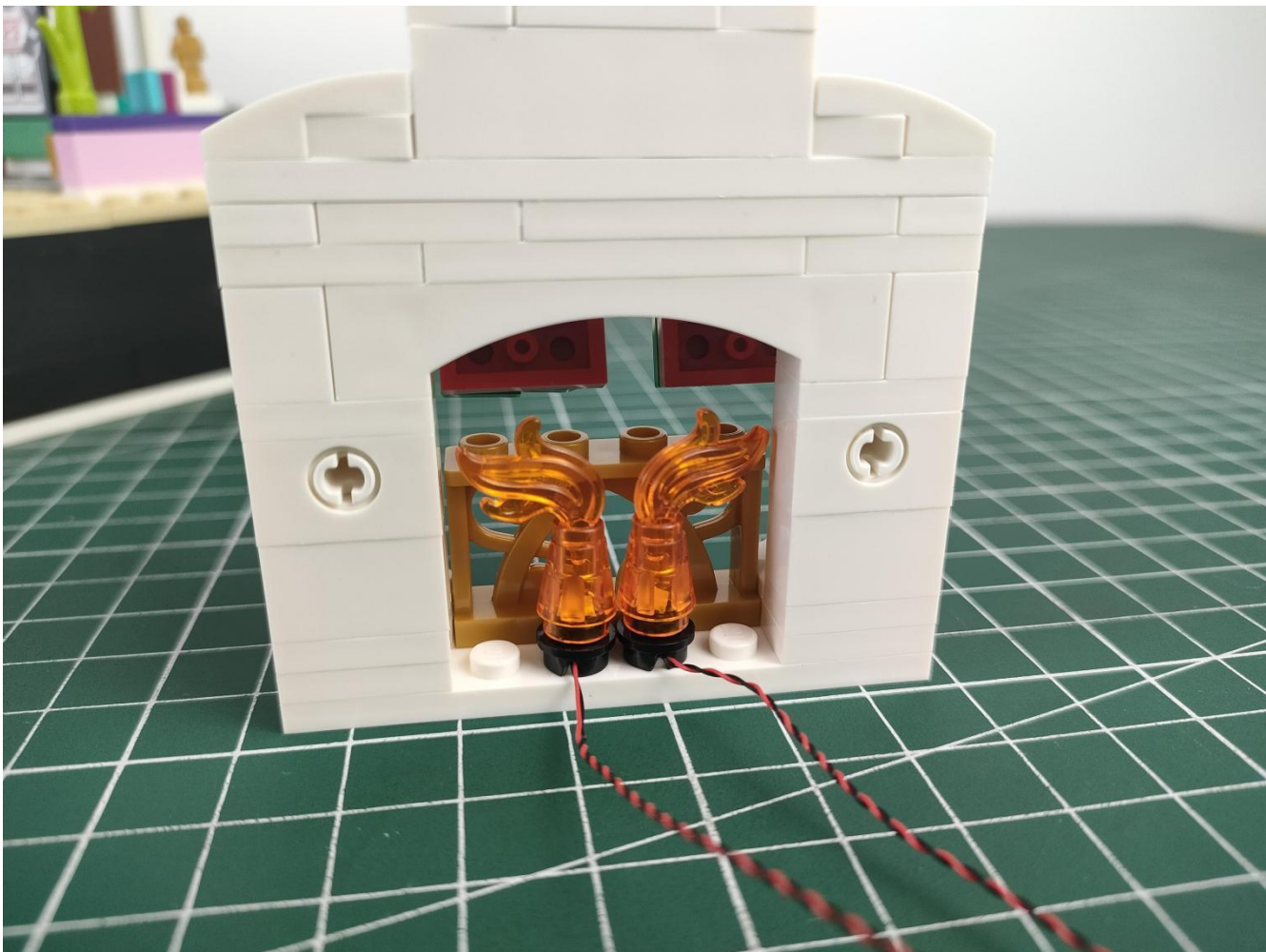
The slit on the the plate round 1X1 are hand-made to avoid squeeze the wire and cause short circuit and abnormal heat during installation.



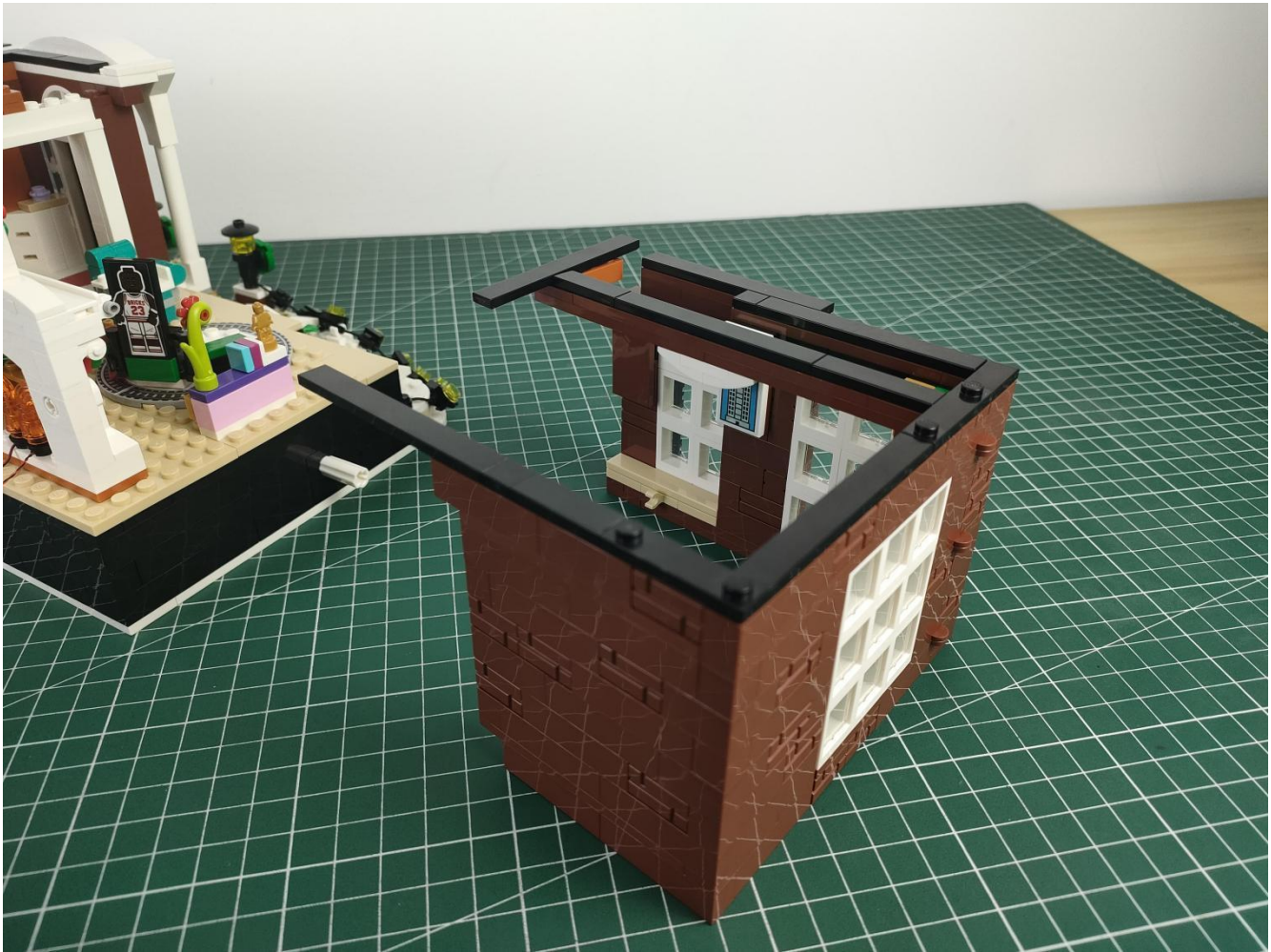




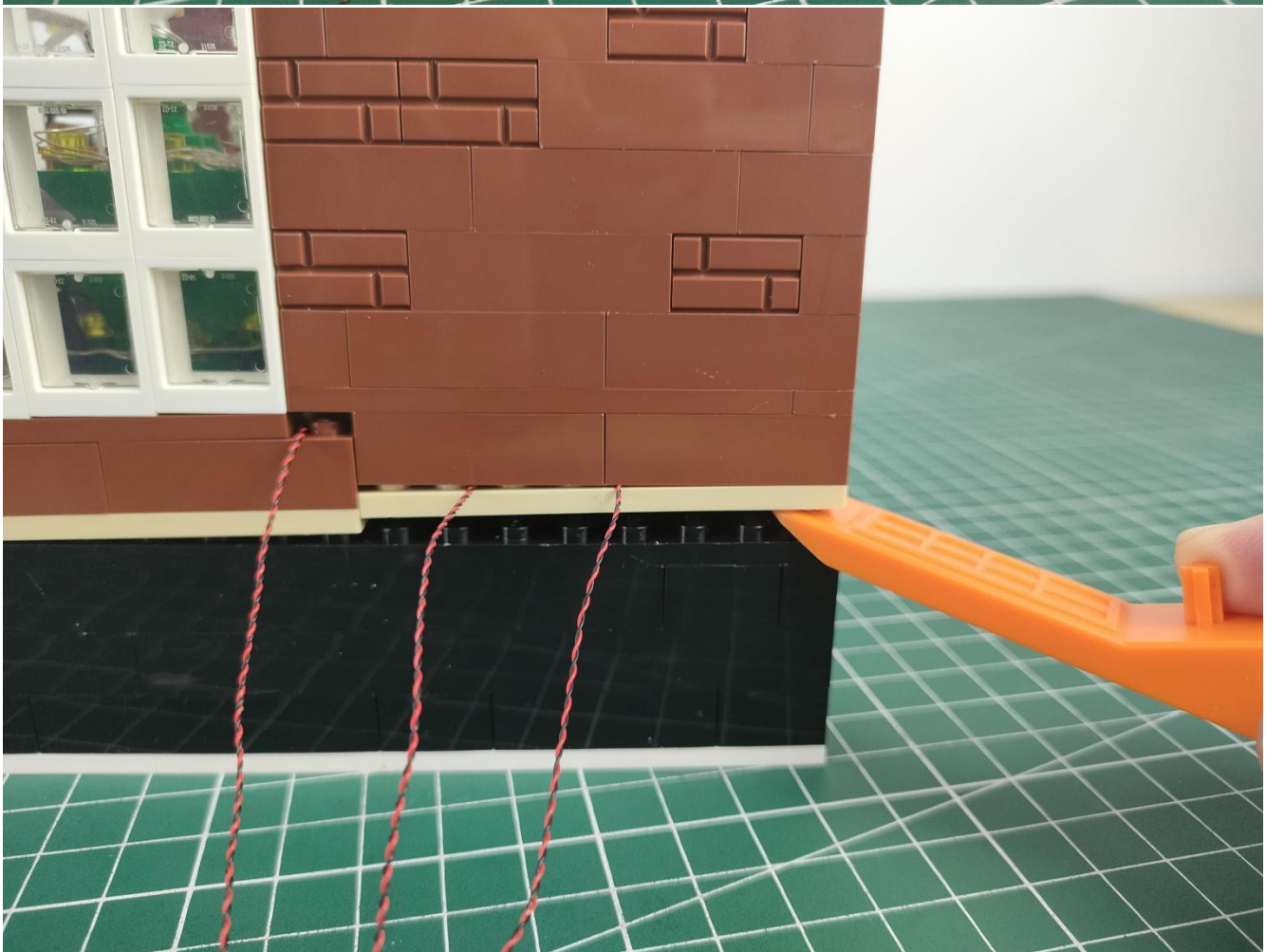
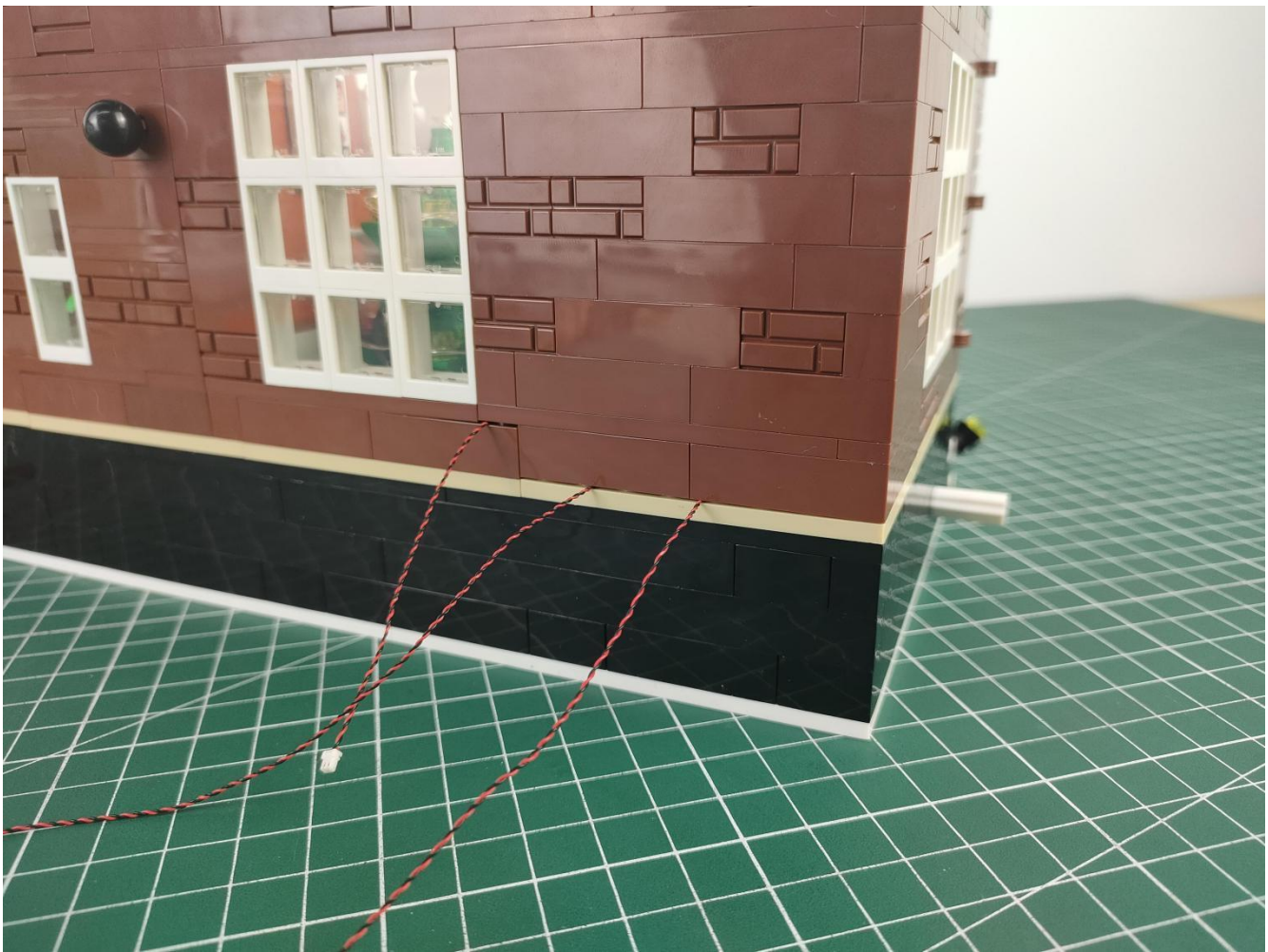




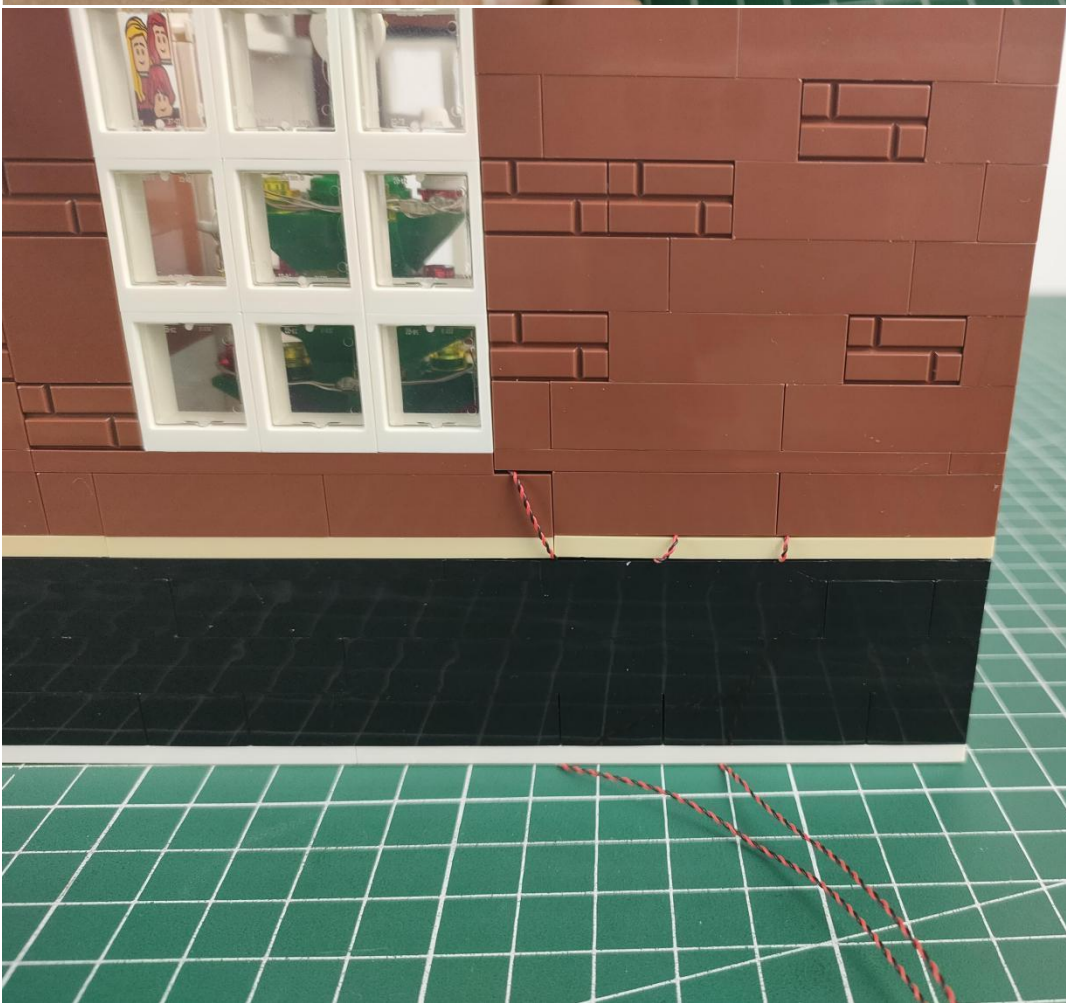




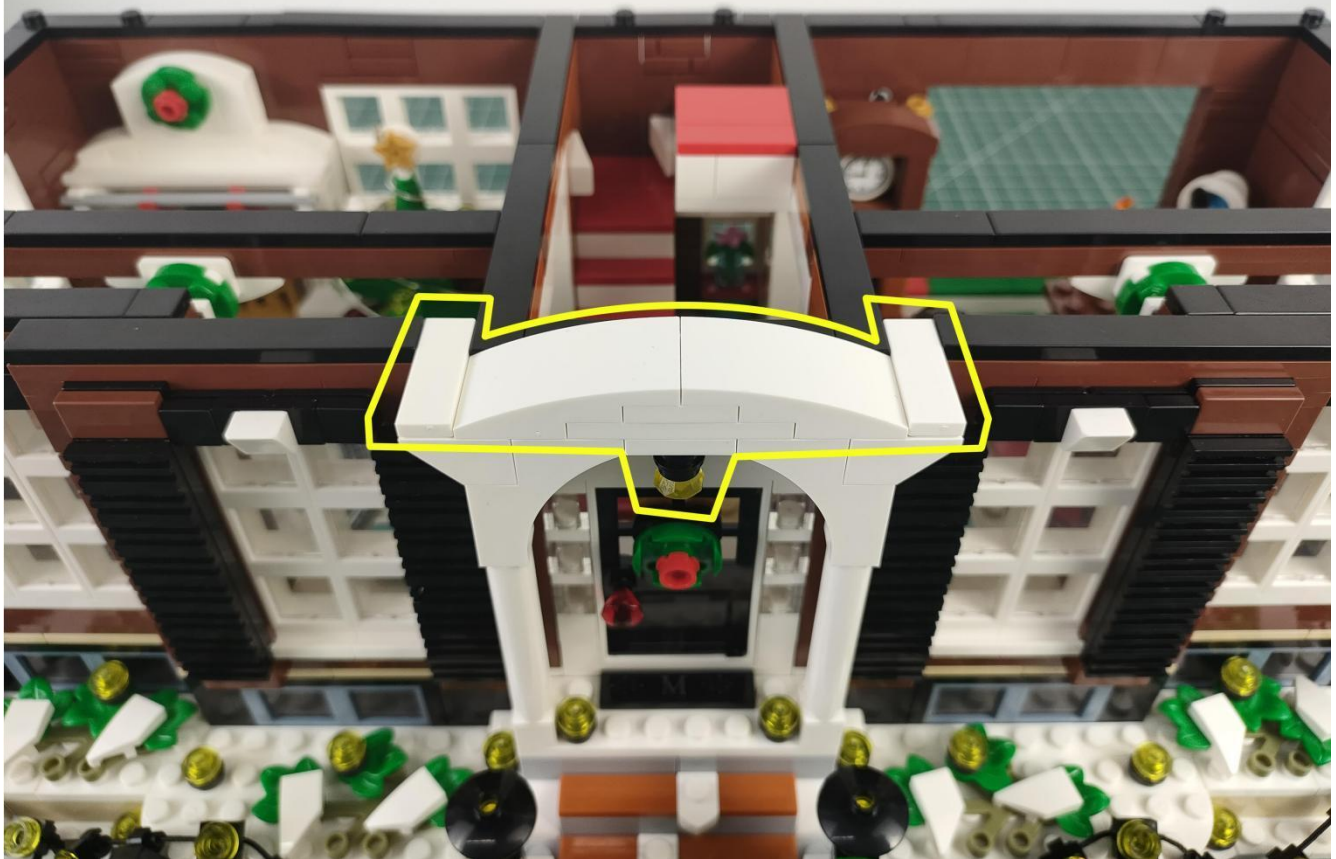




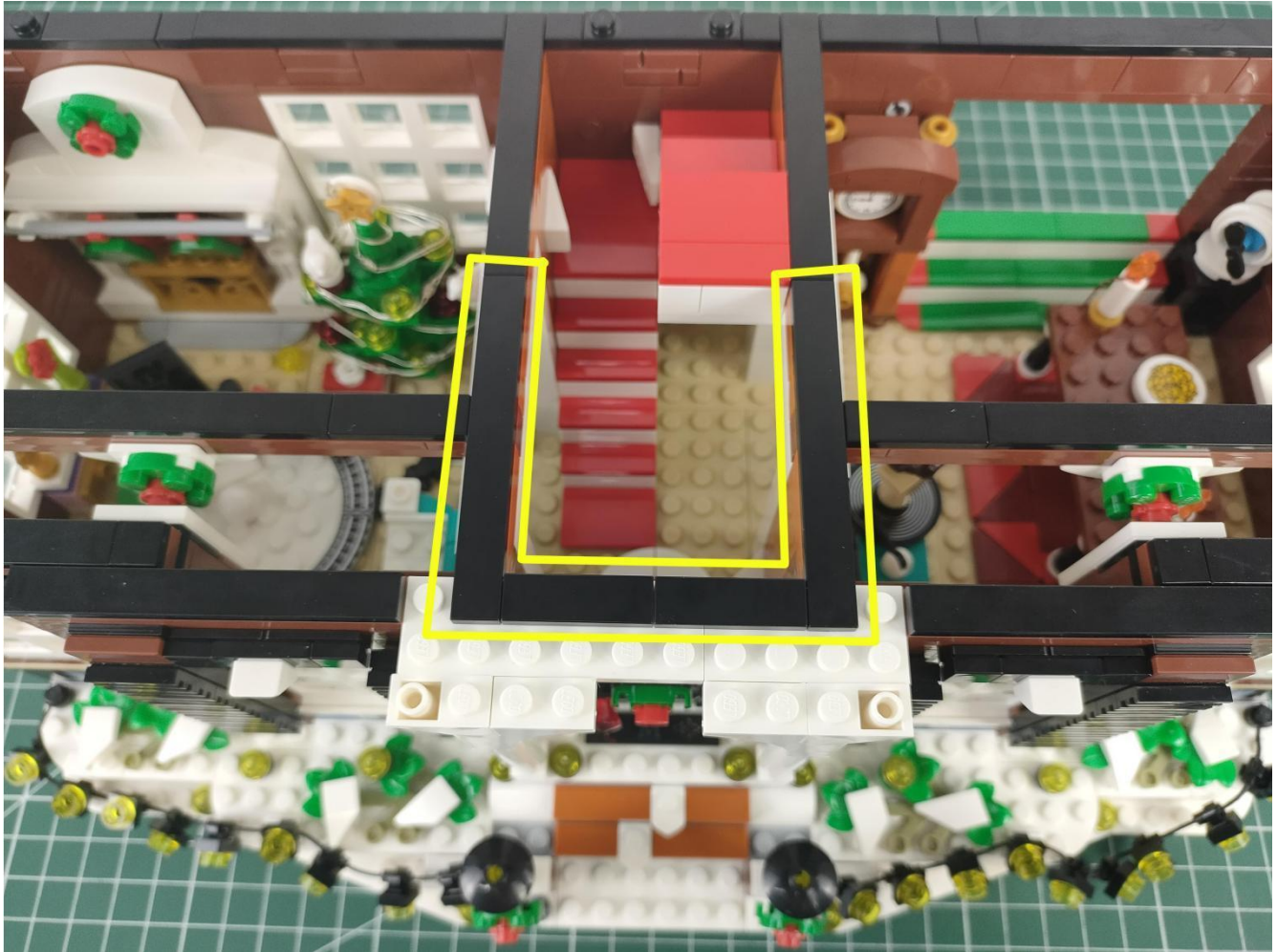
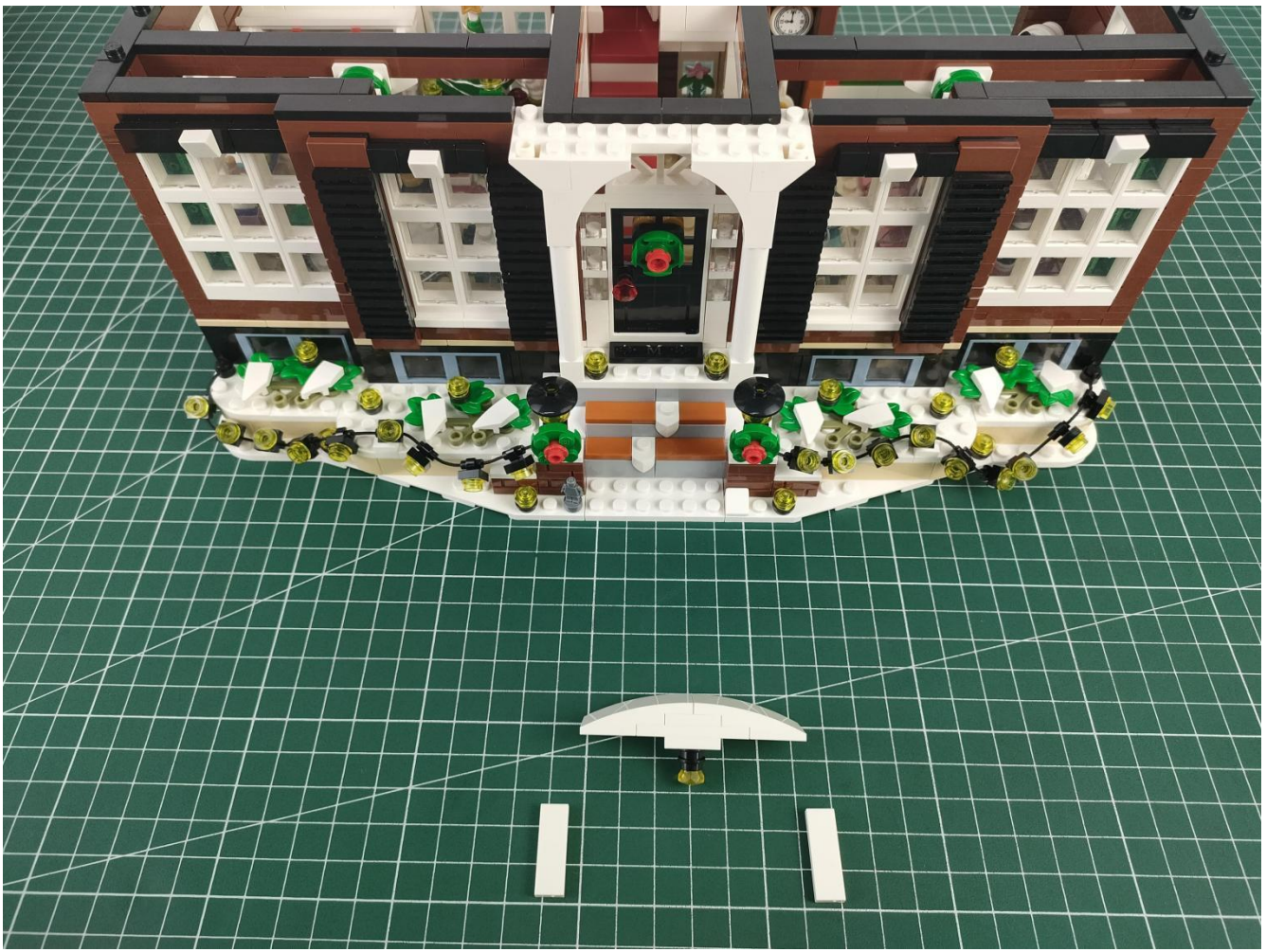




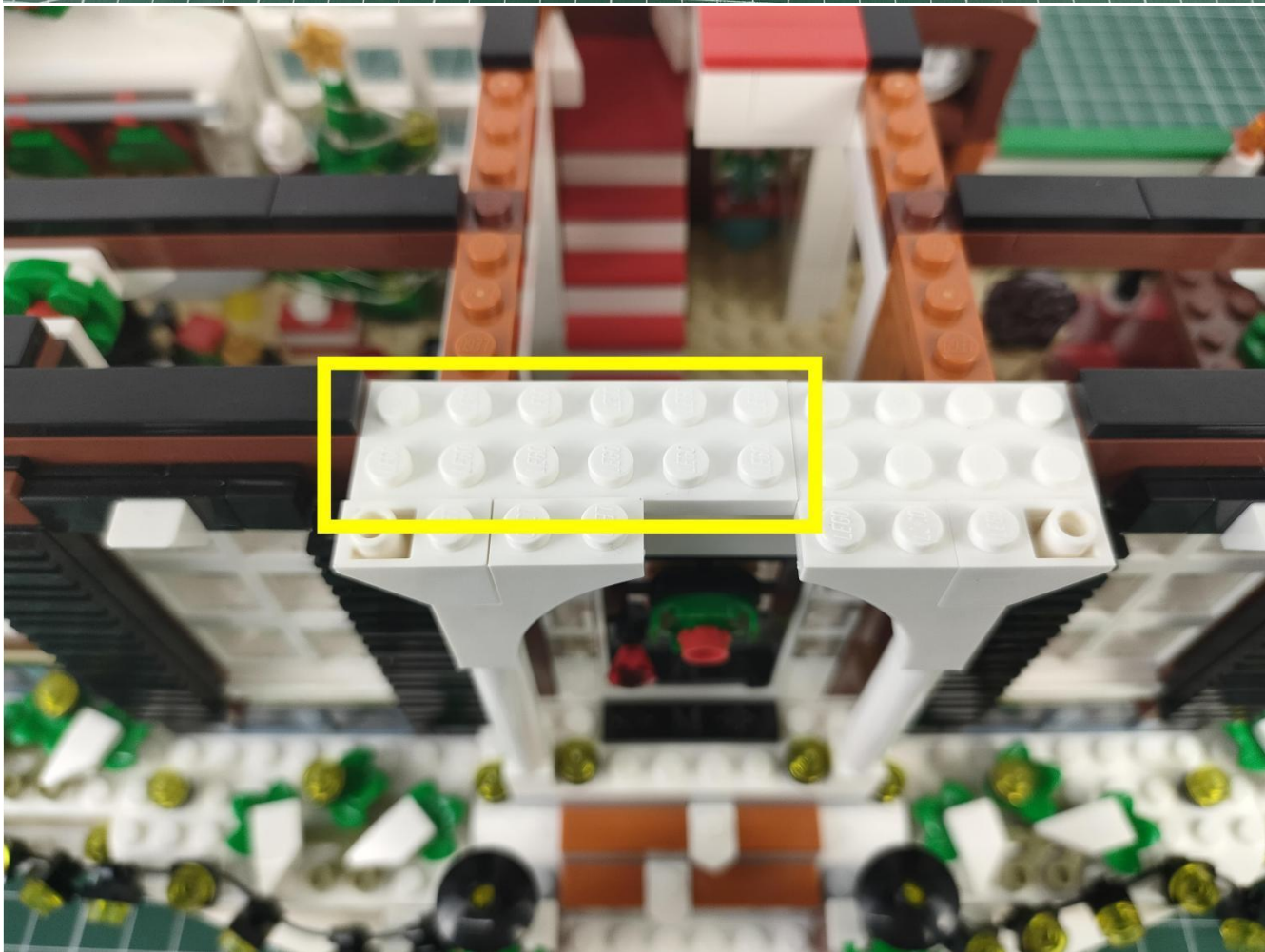




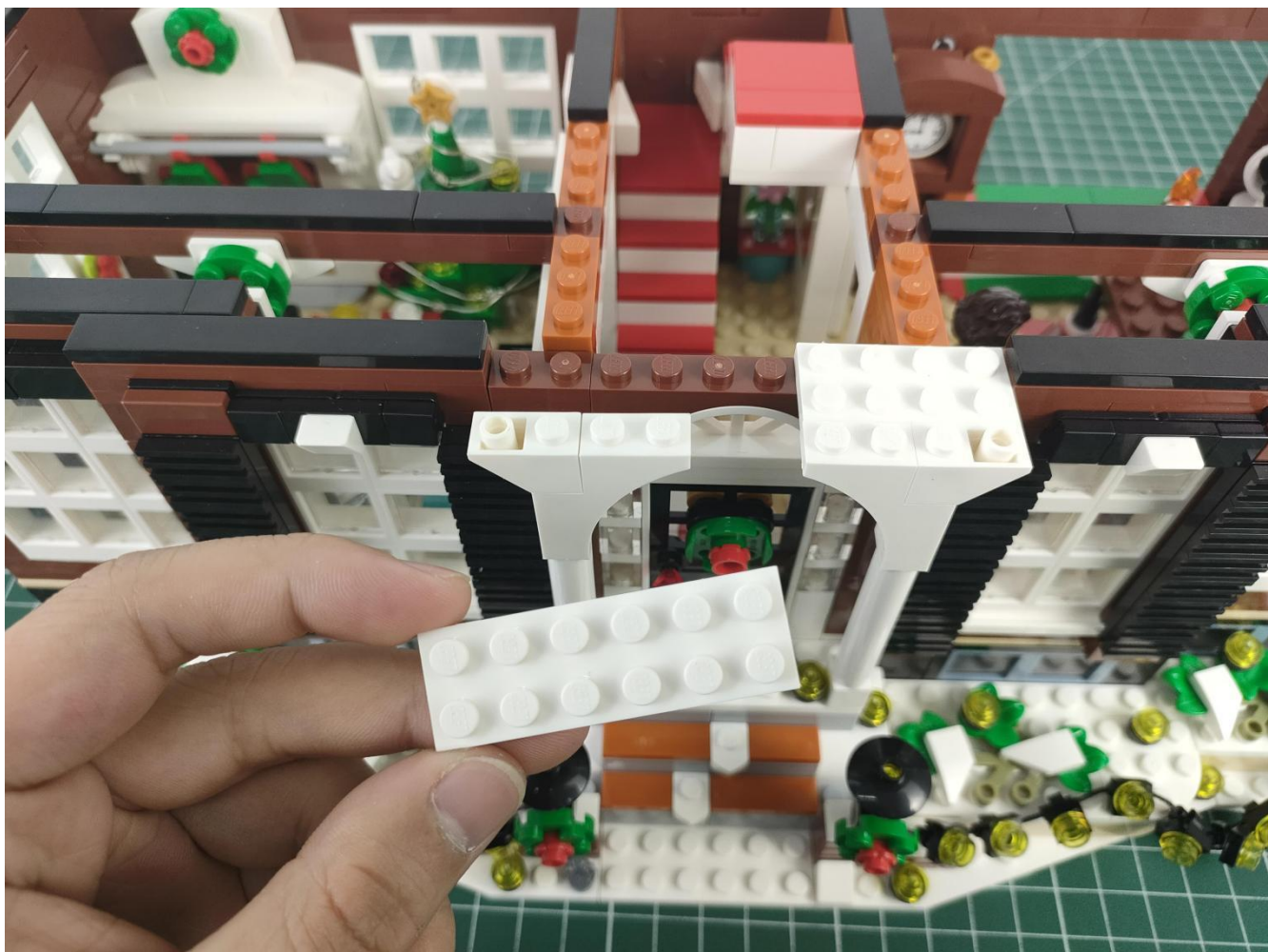




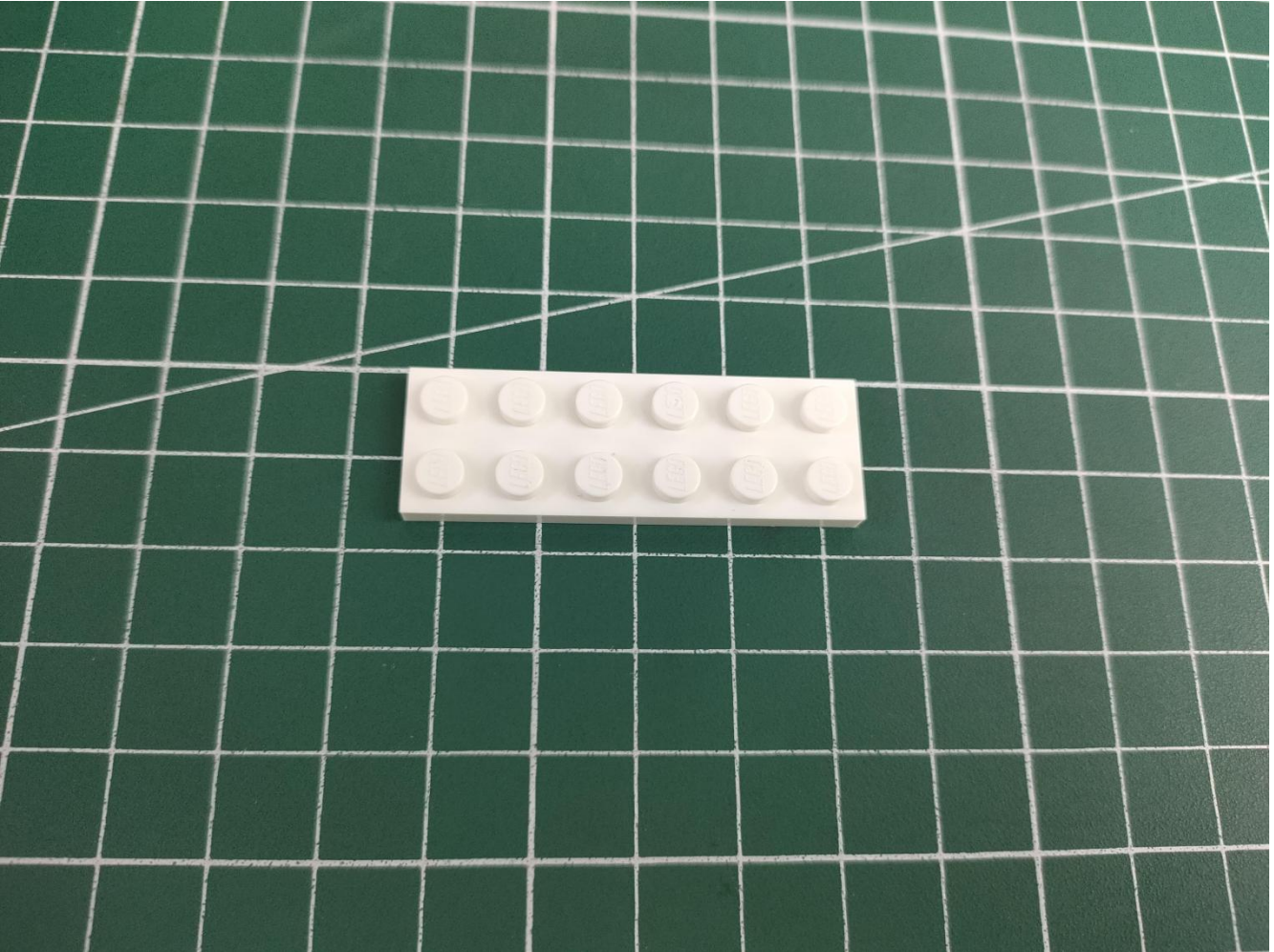
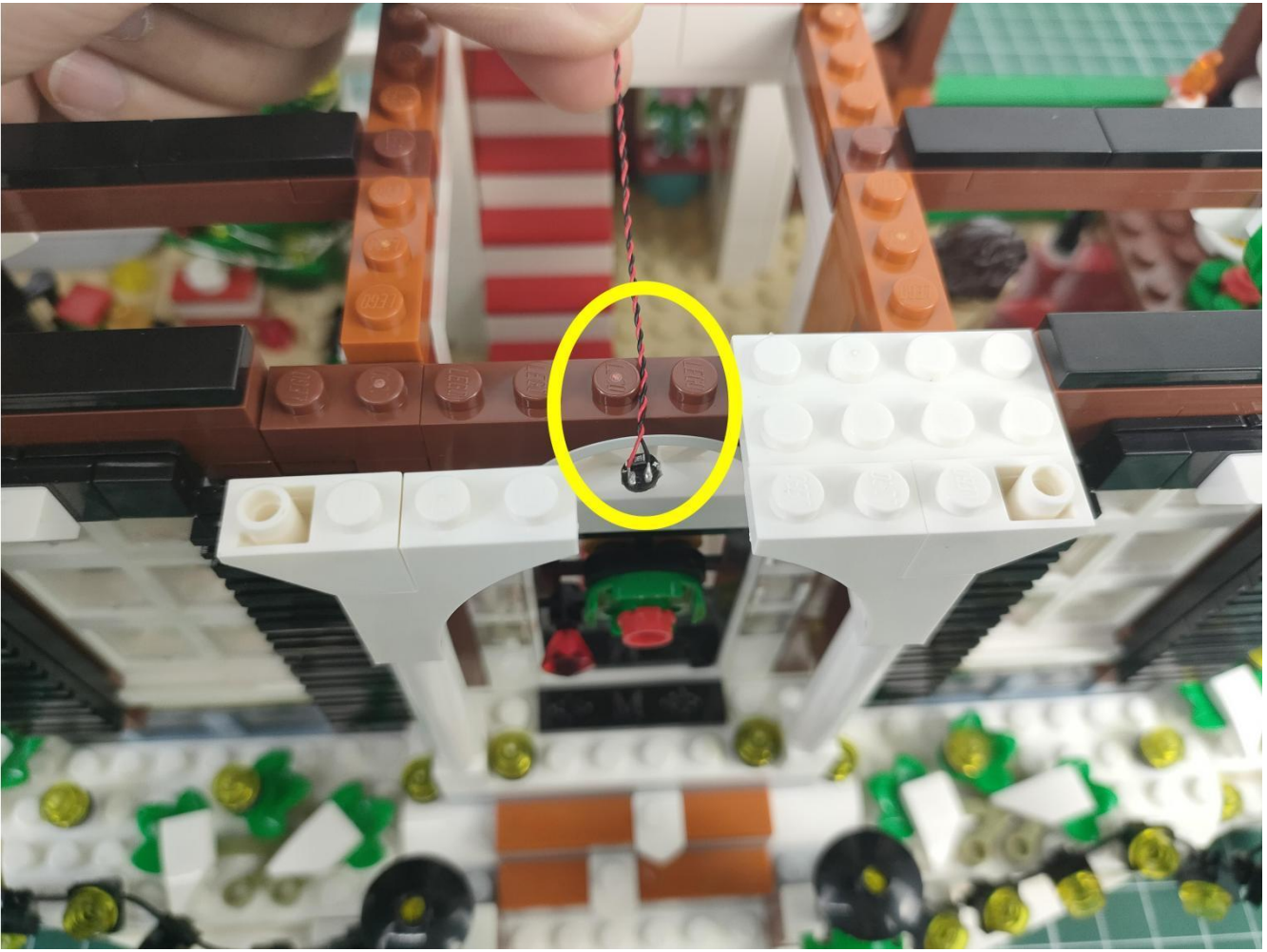




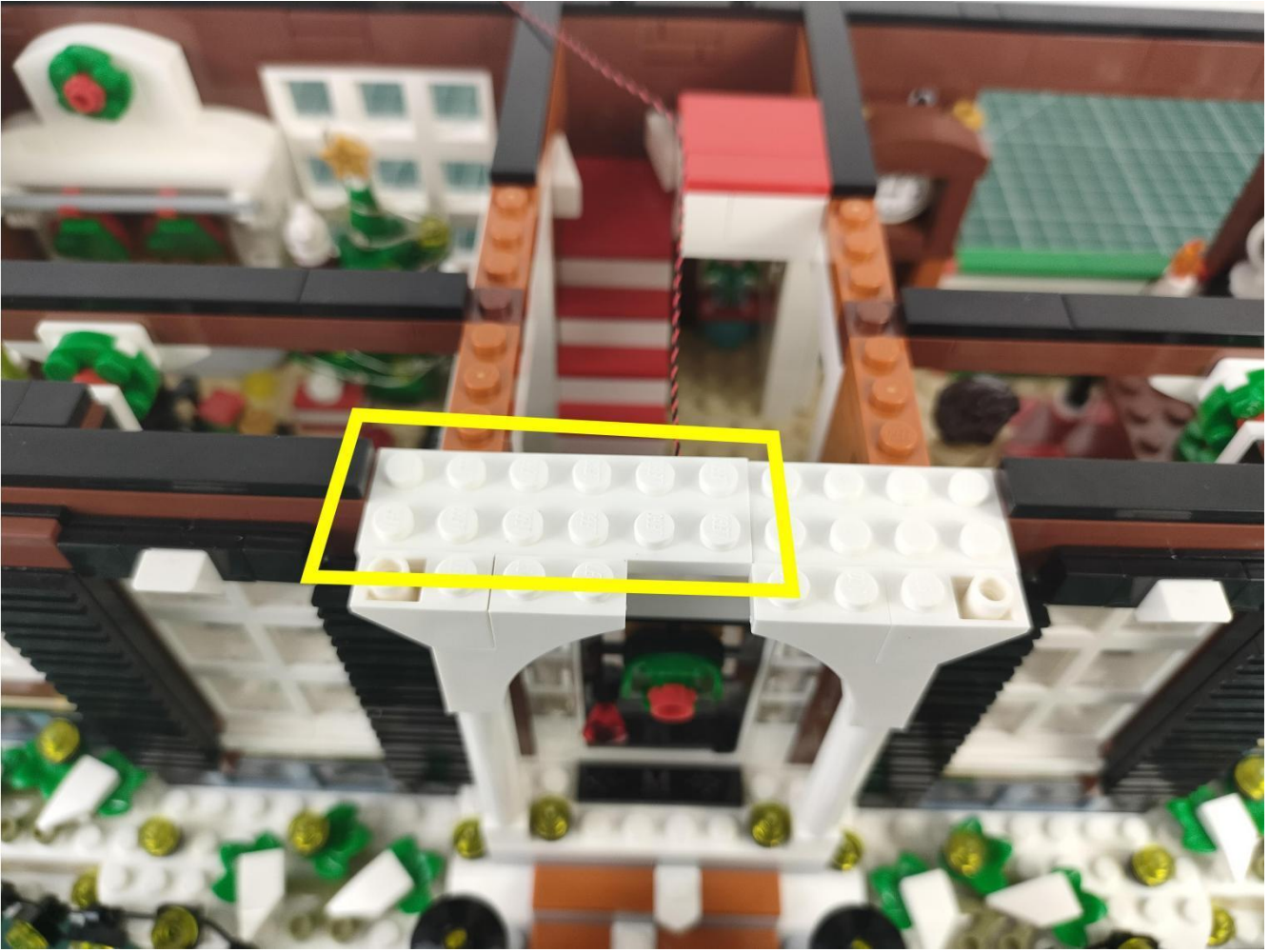




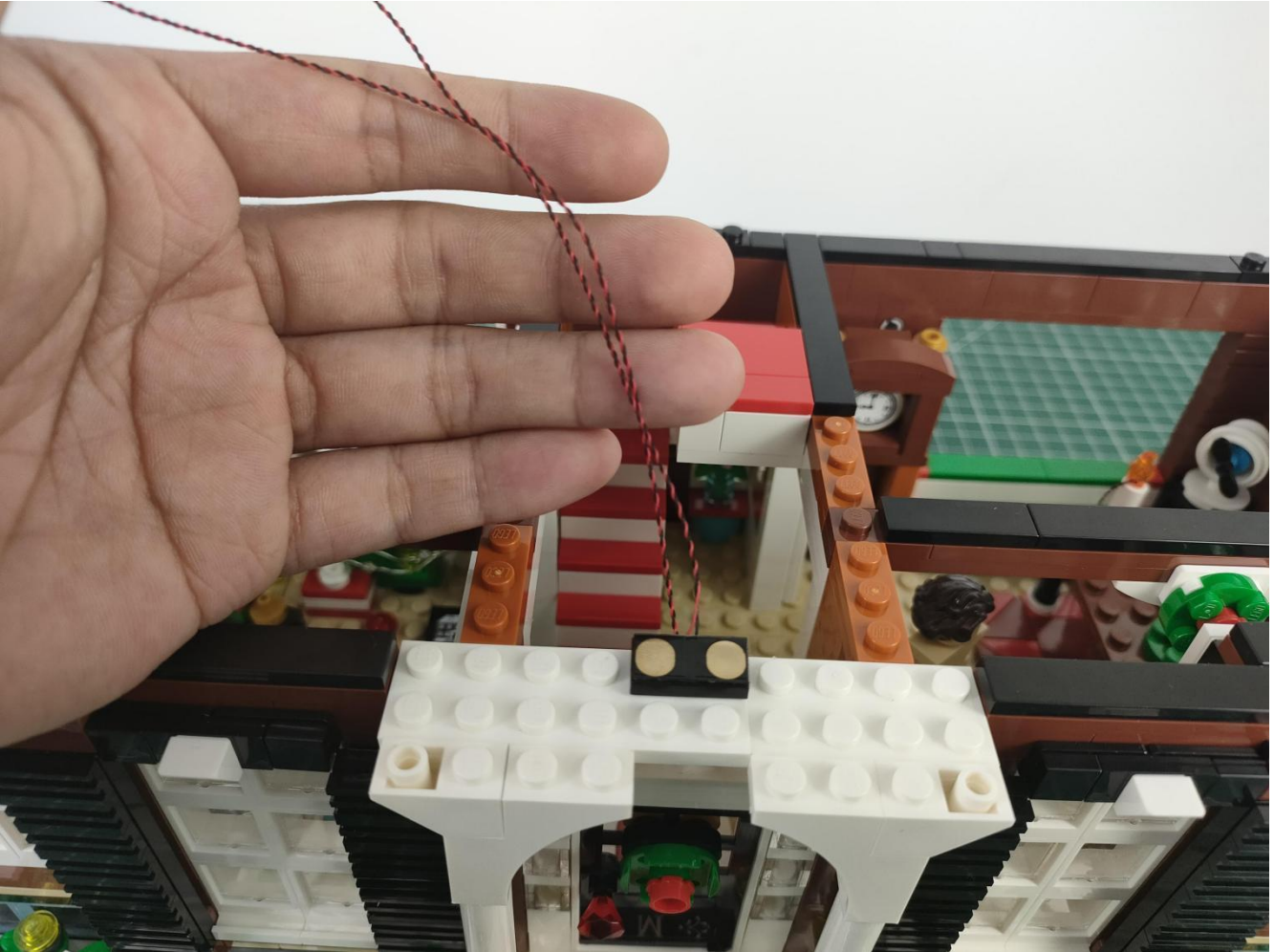
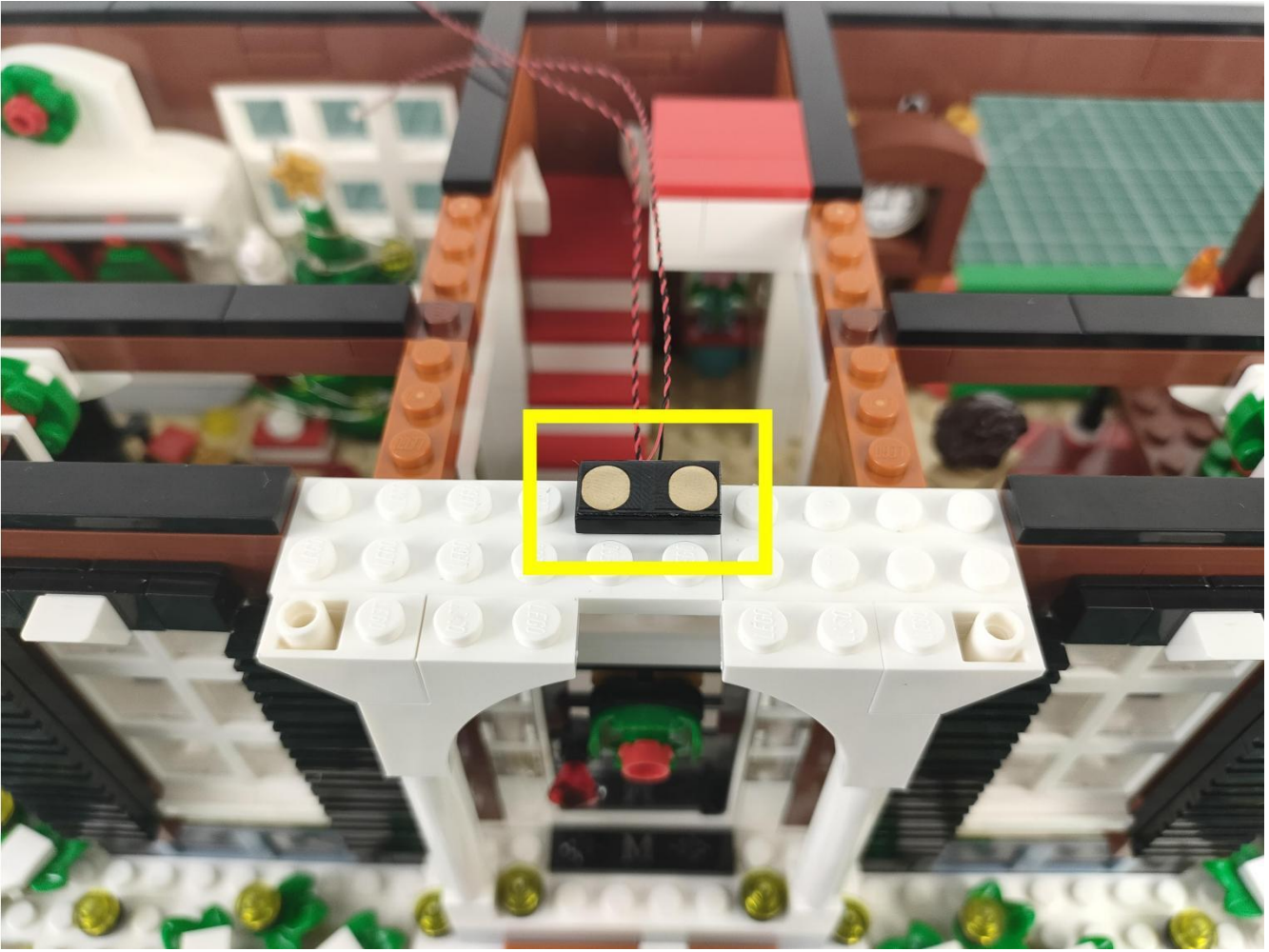




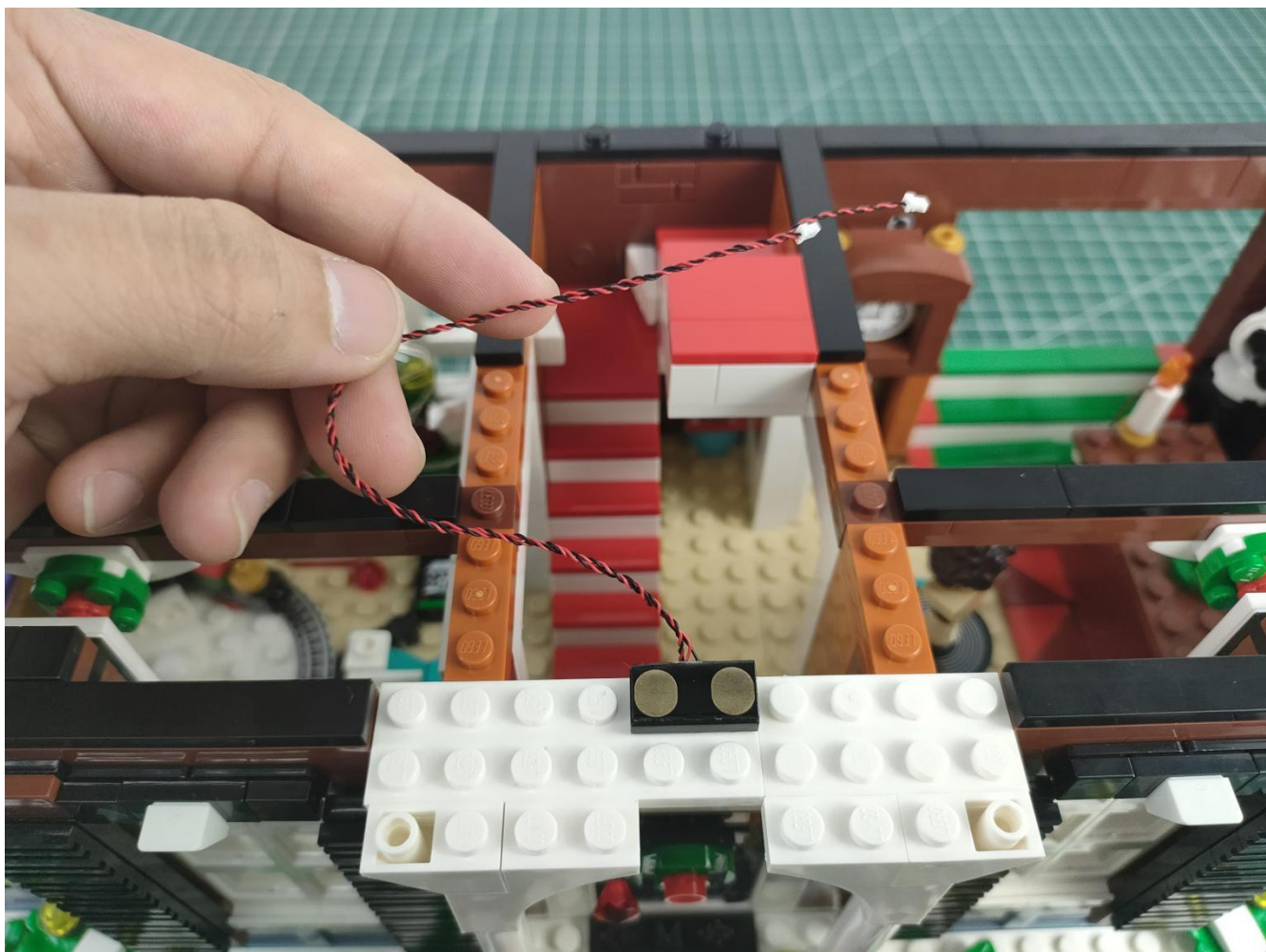




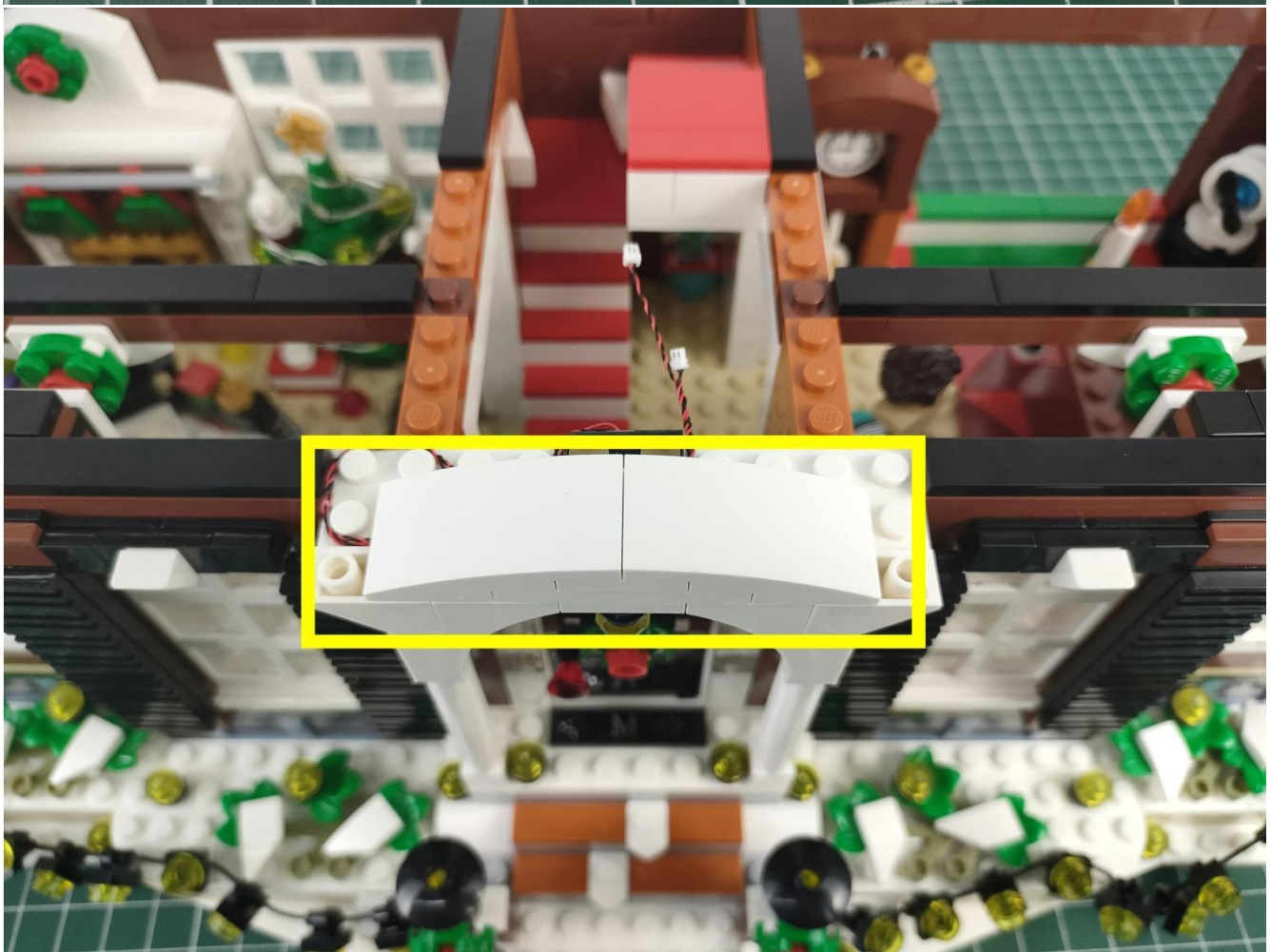
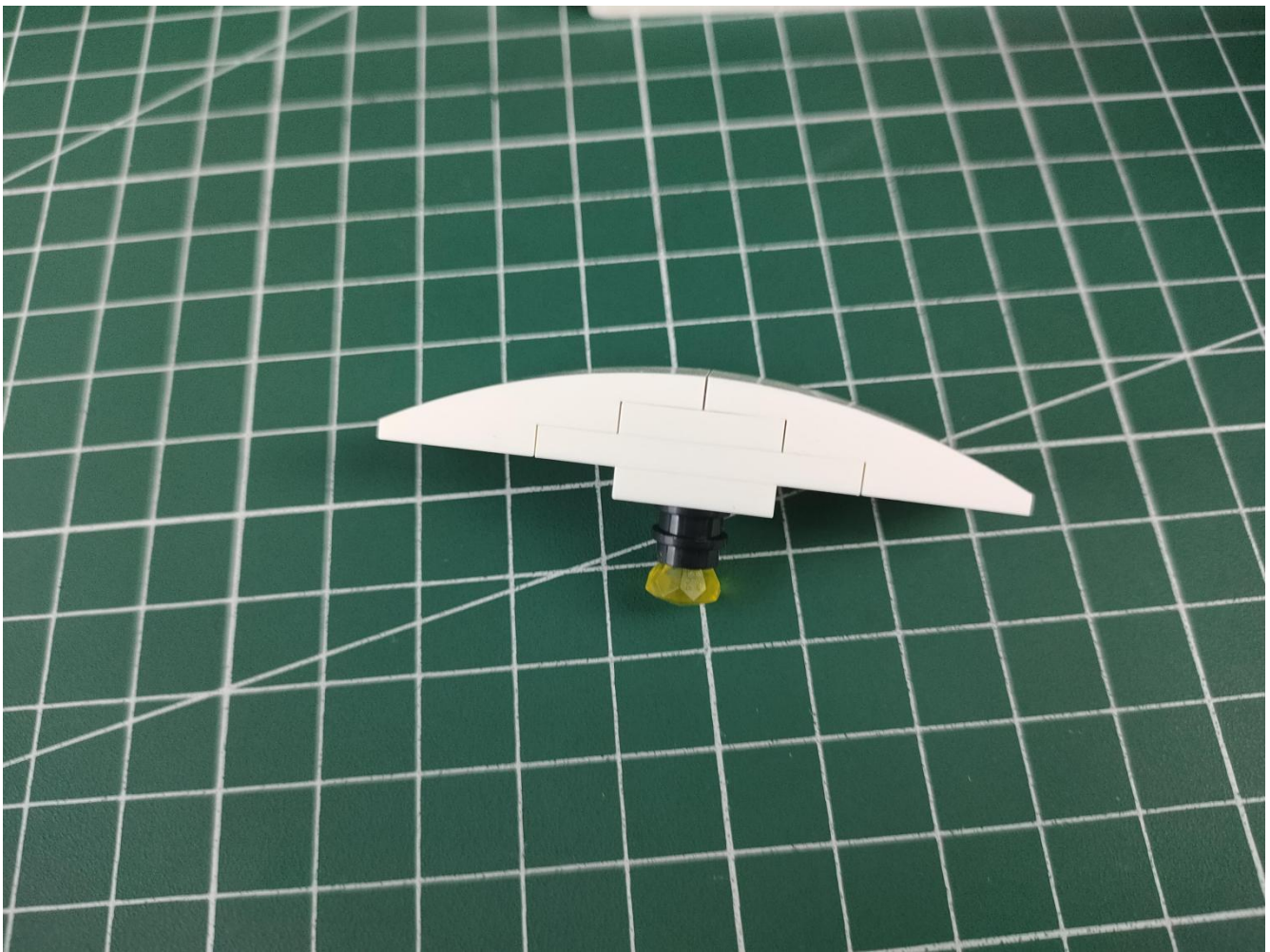




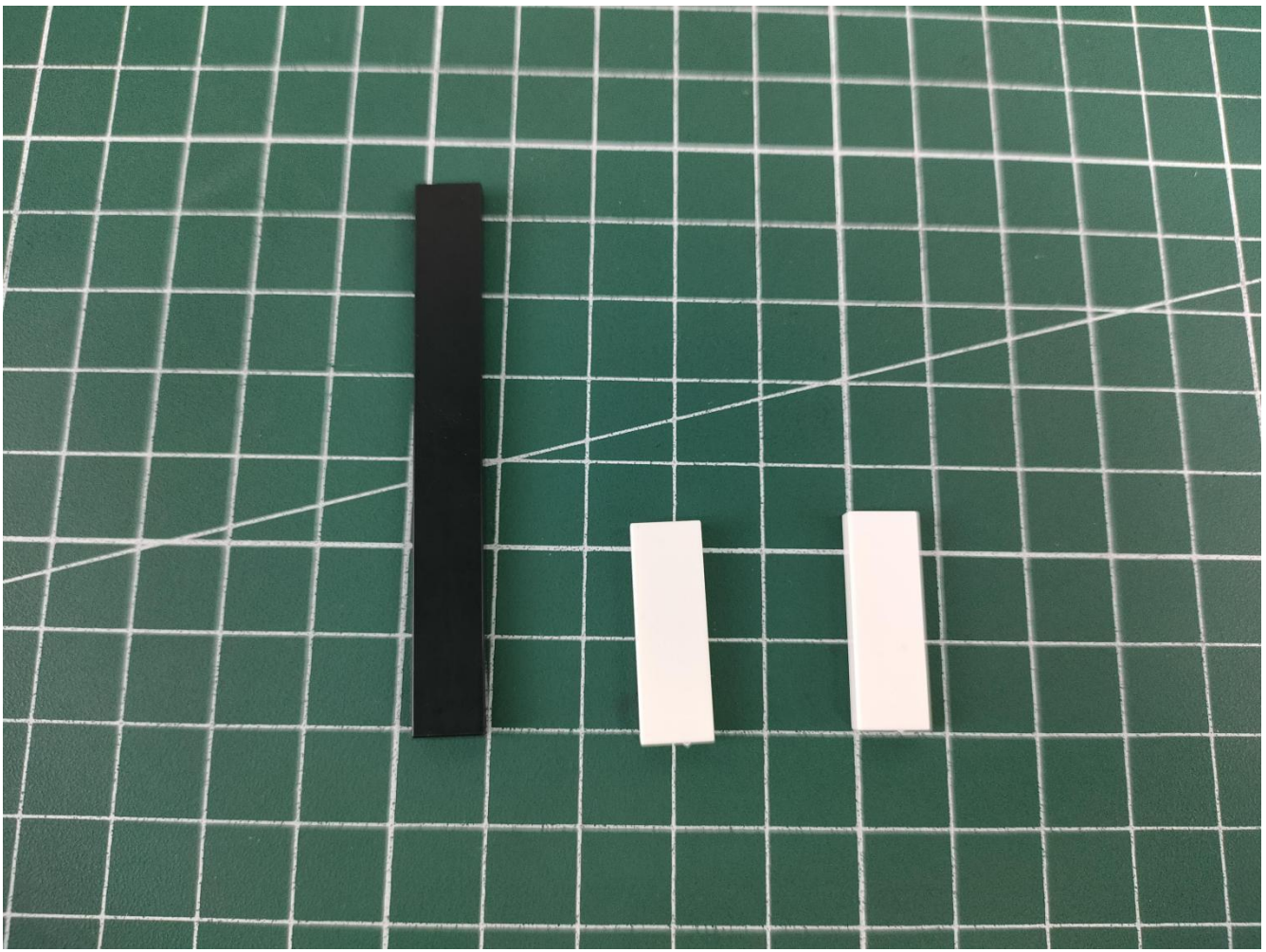














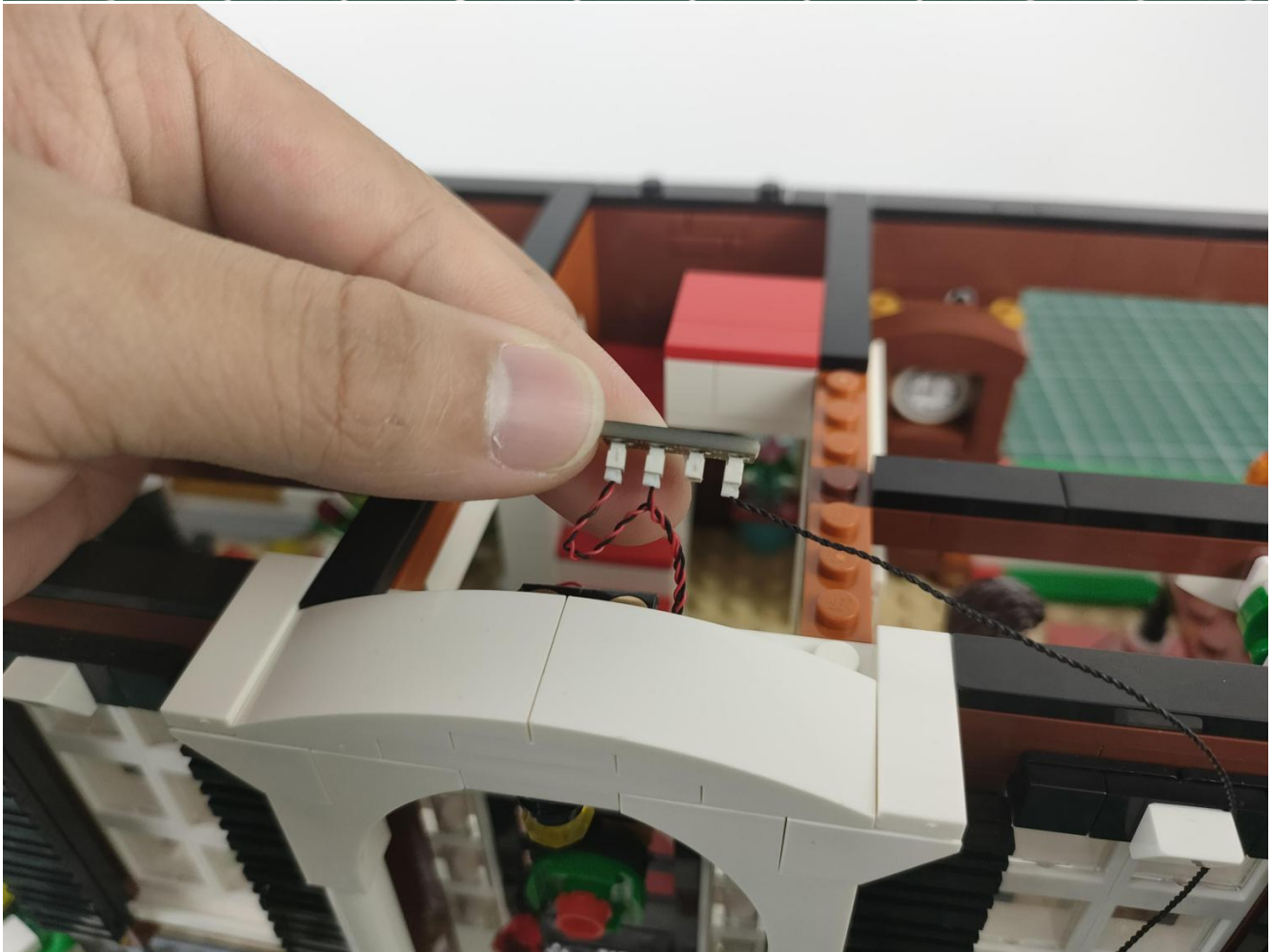
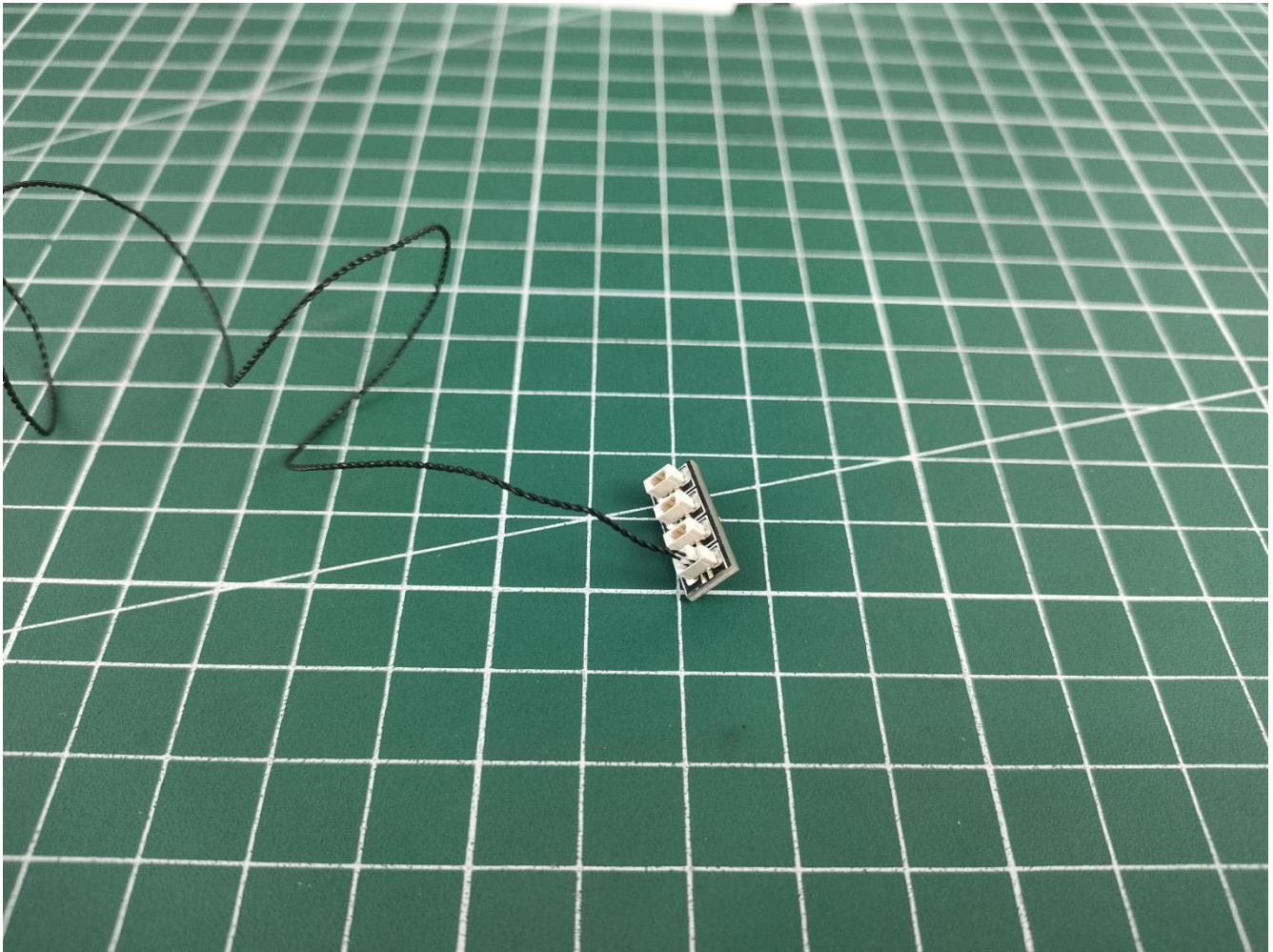


擴充板  
Expansion Boards

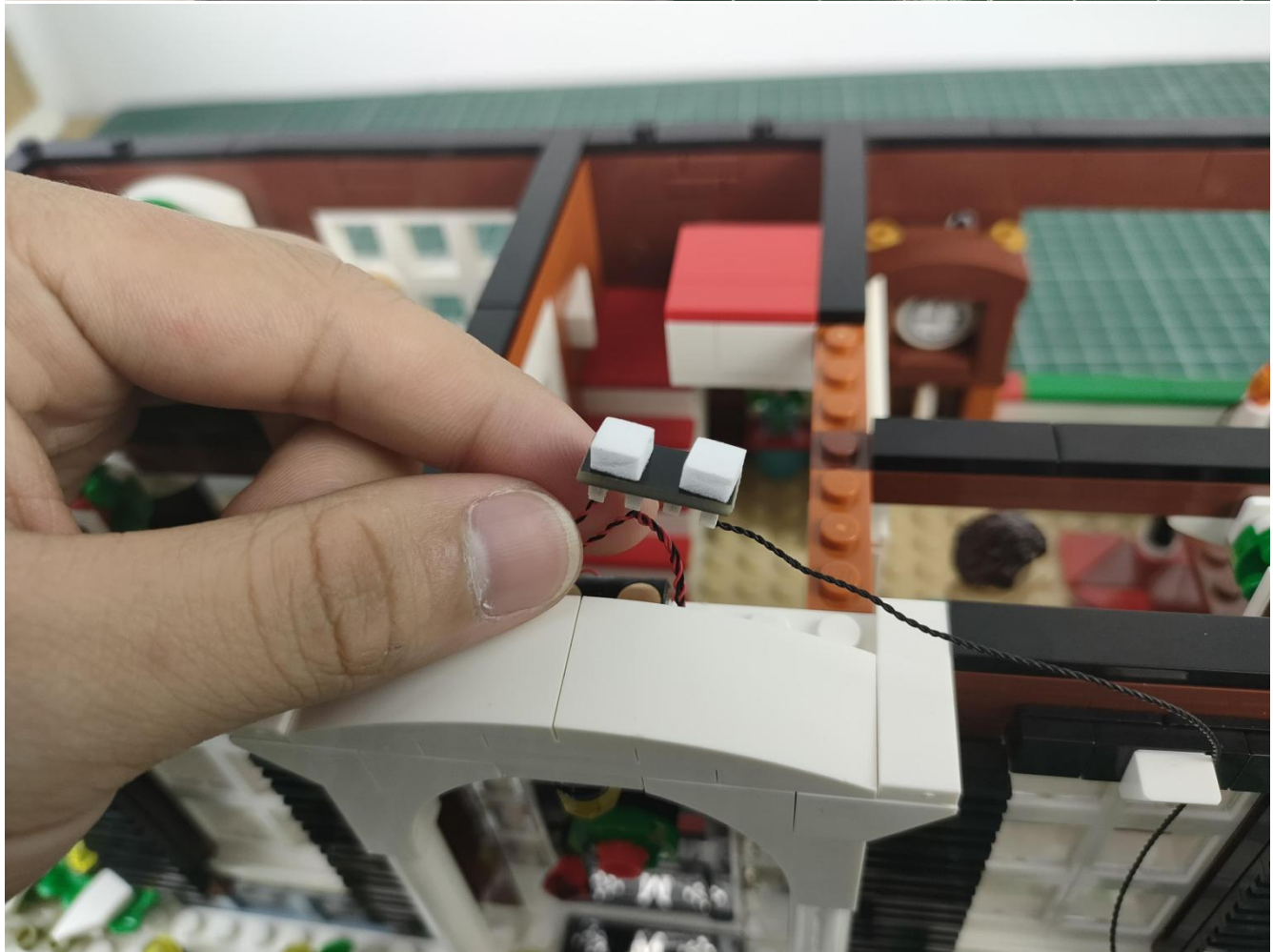


連接線 50CM  
Connecting Cables  
50CM

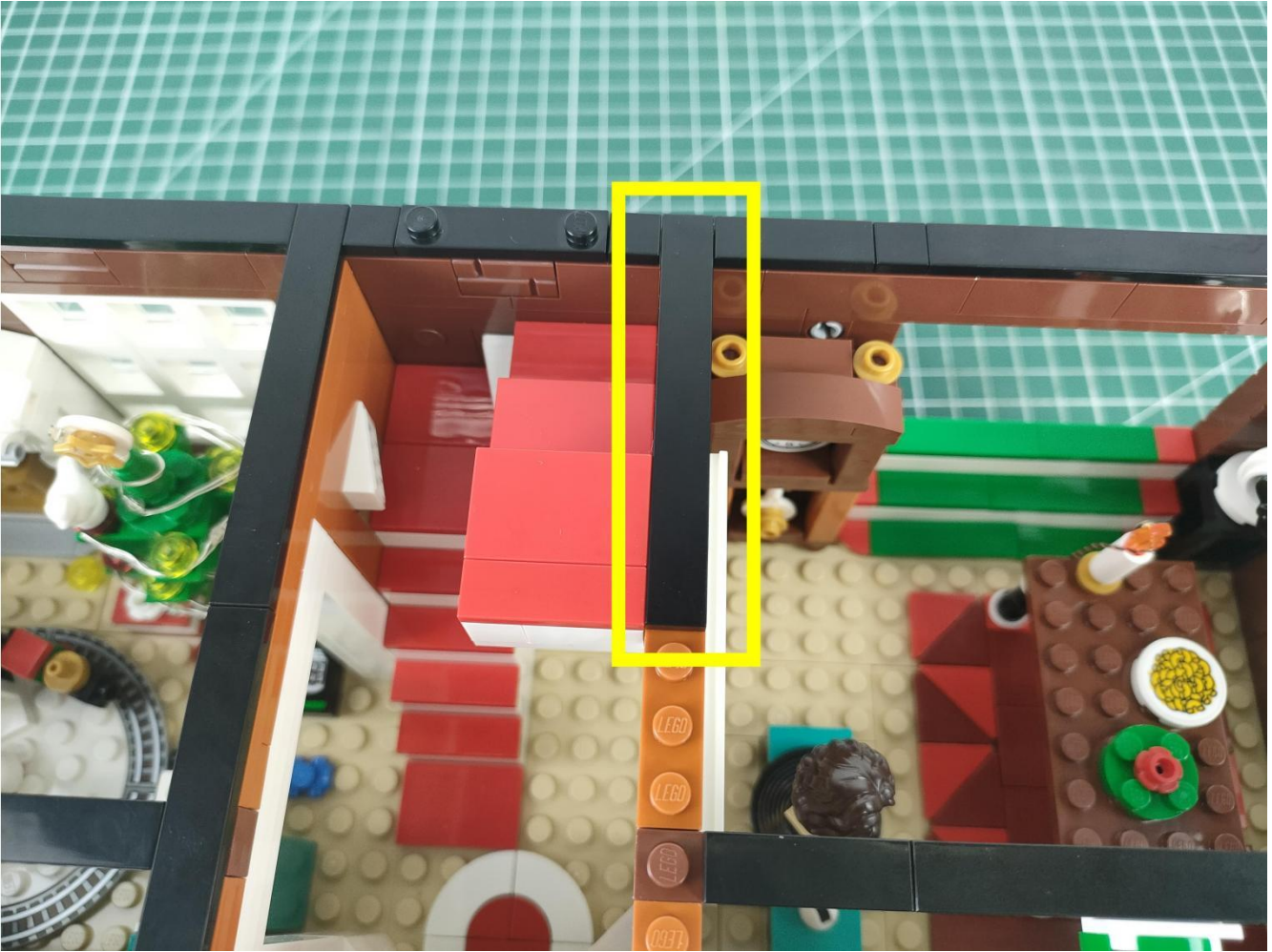
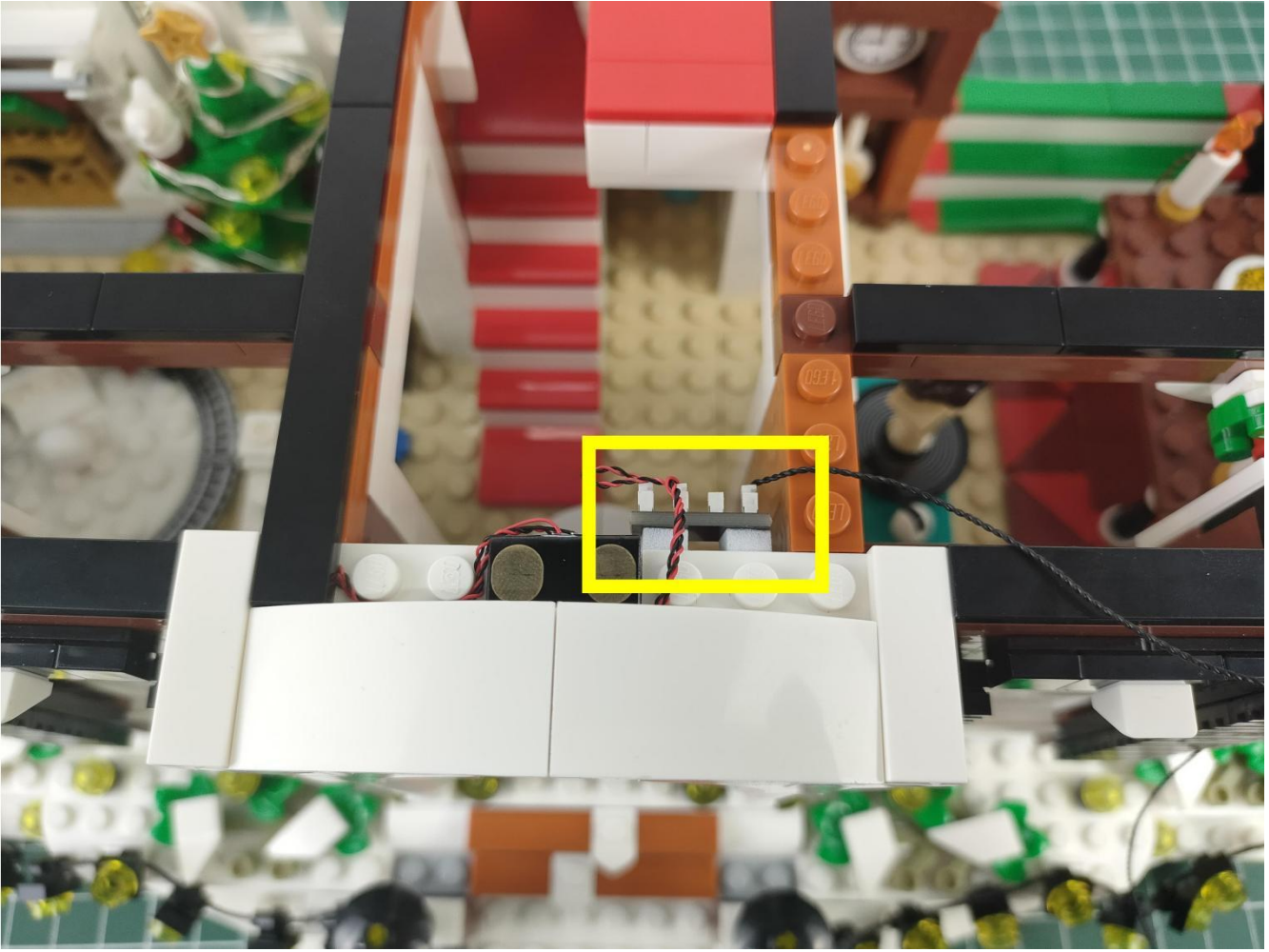








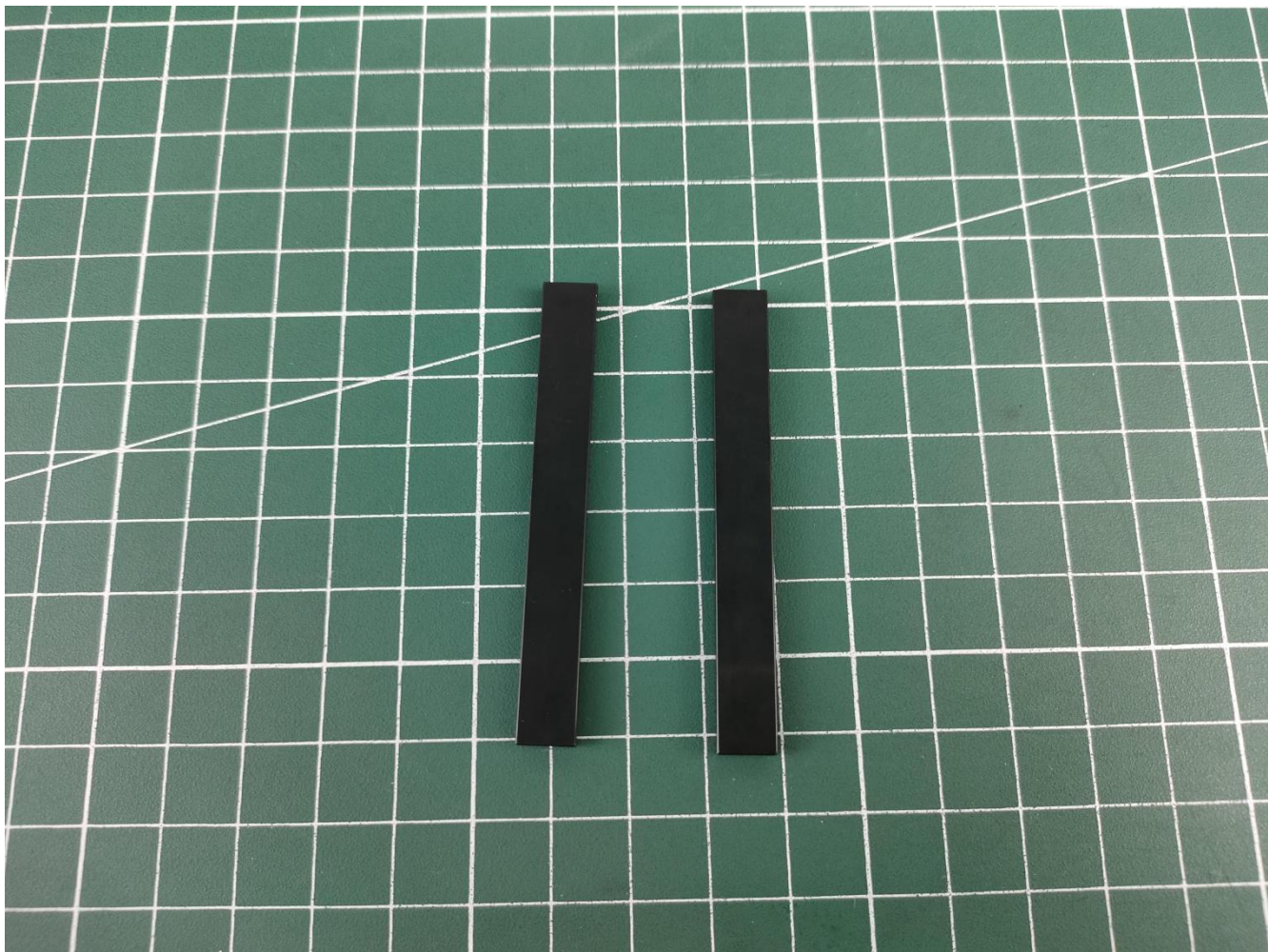








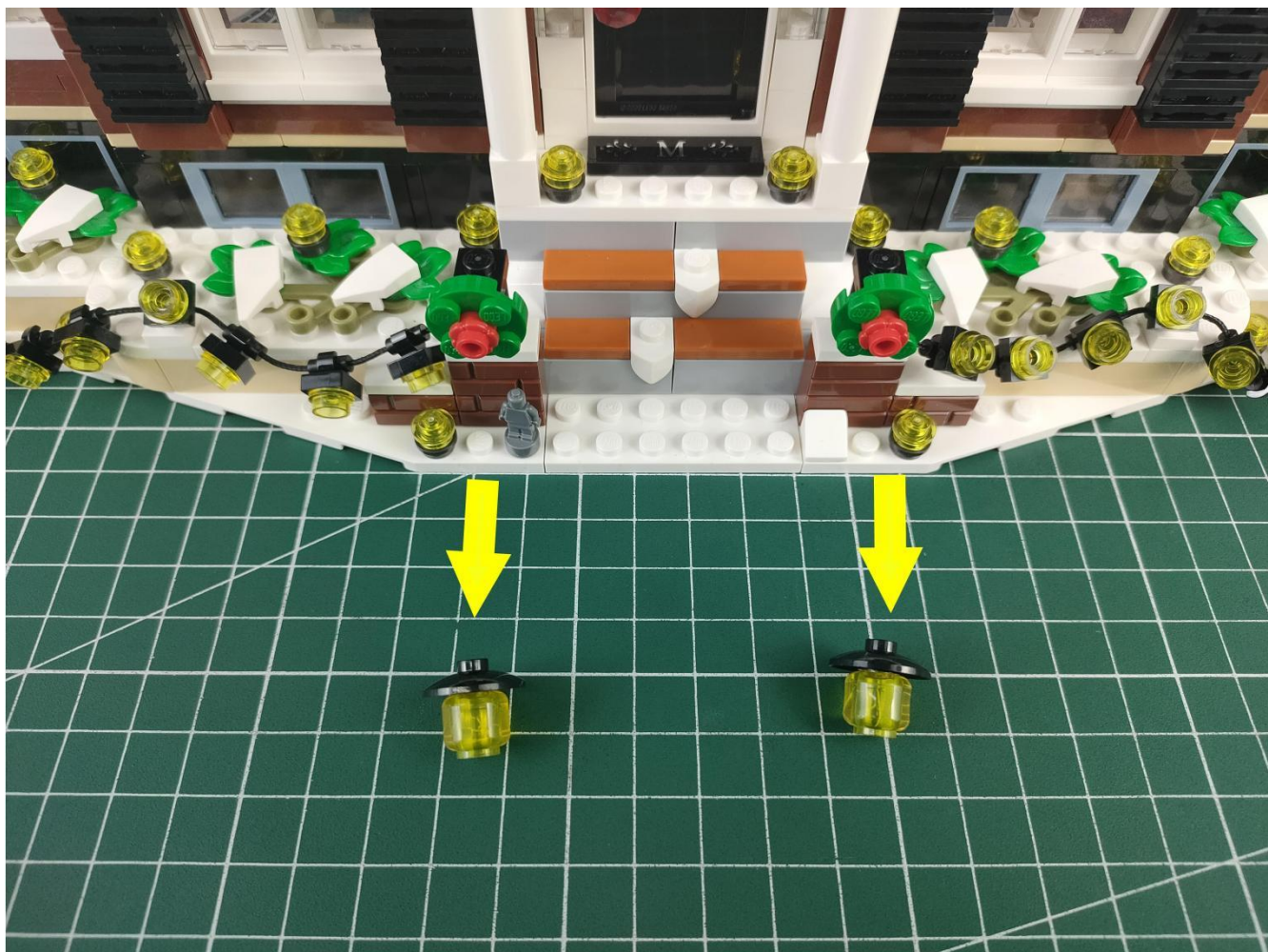












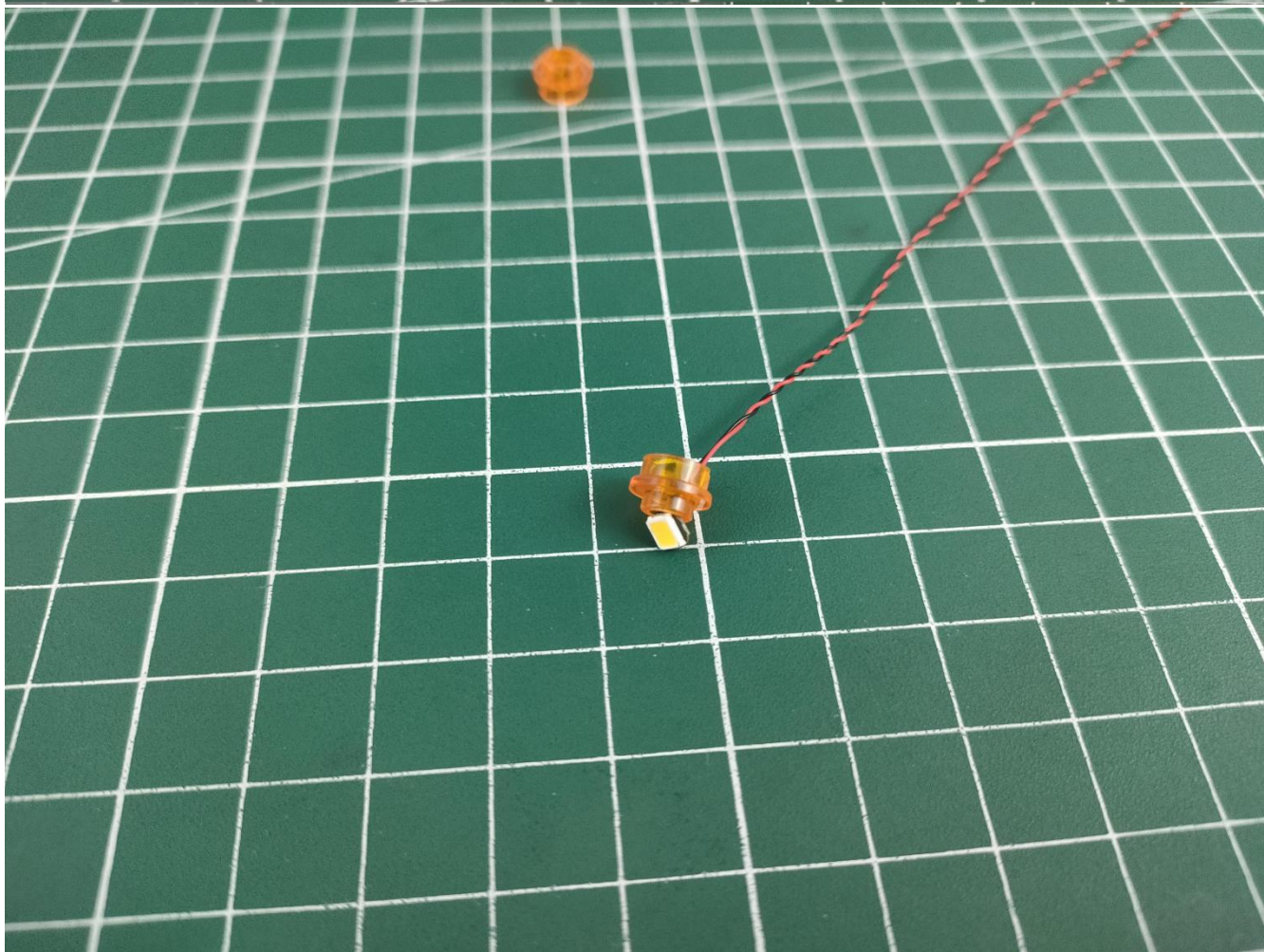
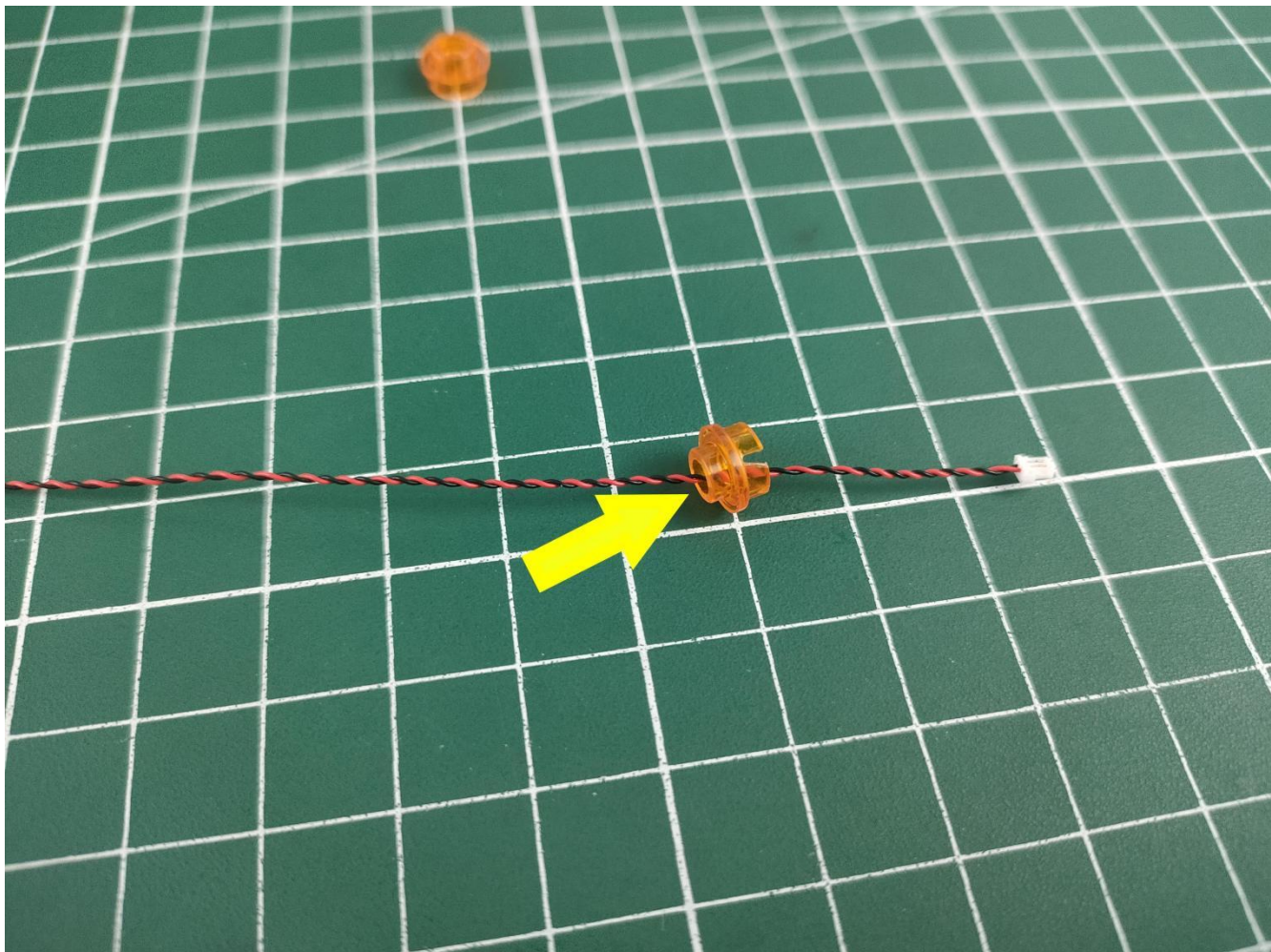
30CM大灯粒暖白  
Headlights-30CM  
-Warm White



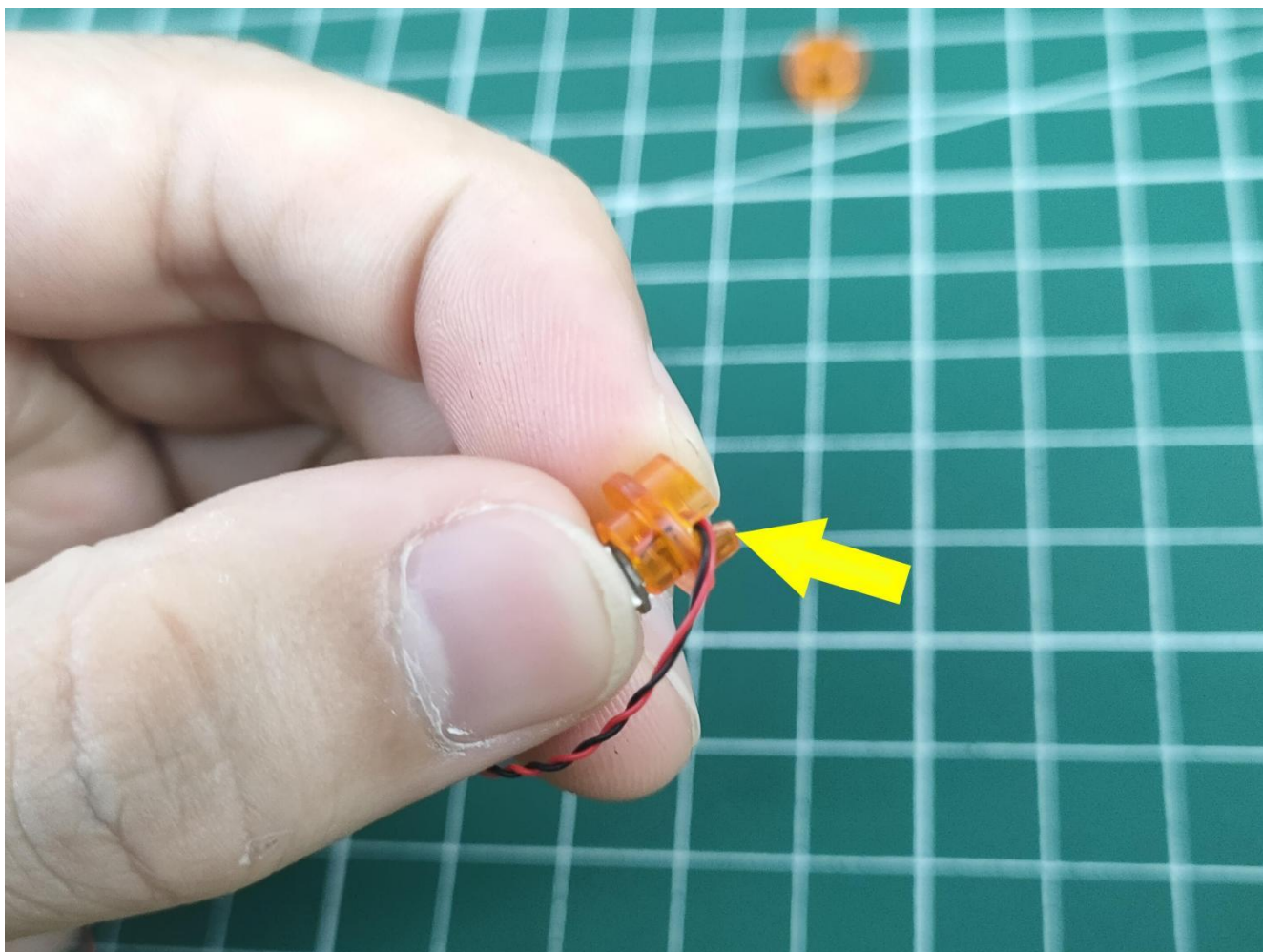
The two orange parts are cut.











## 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:

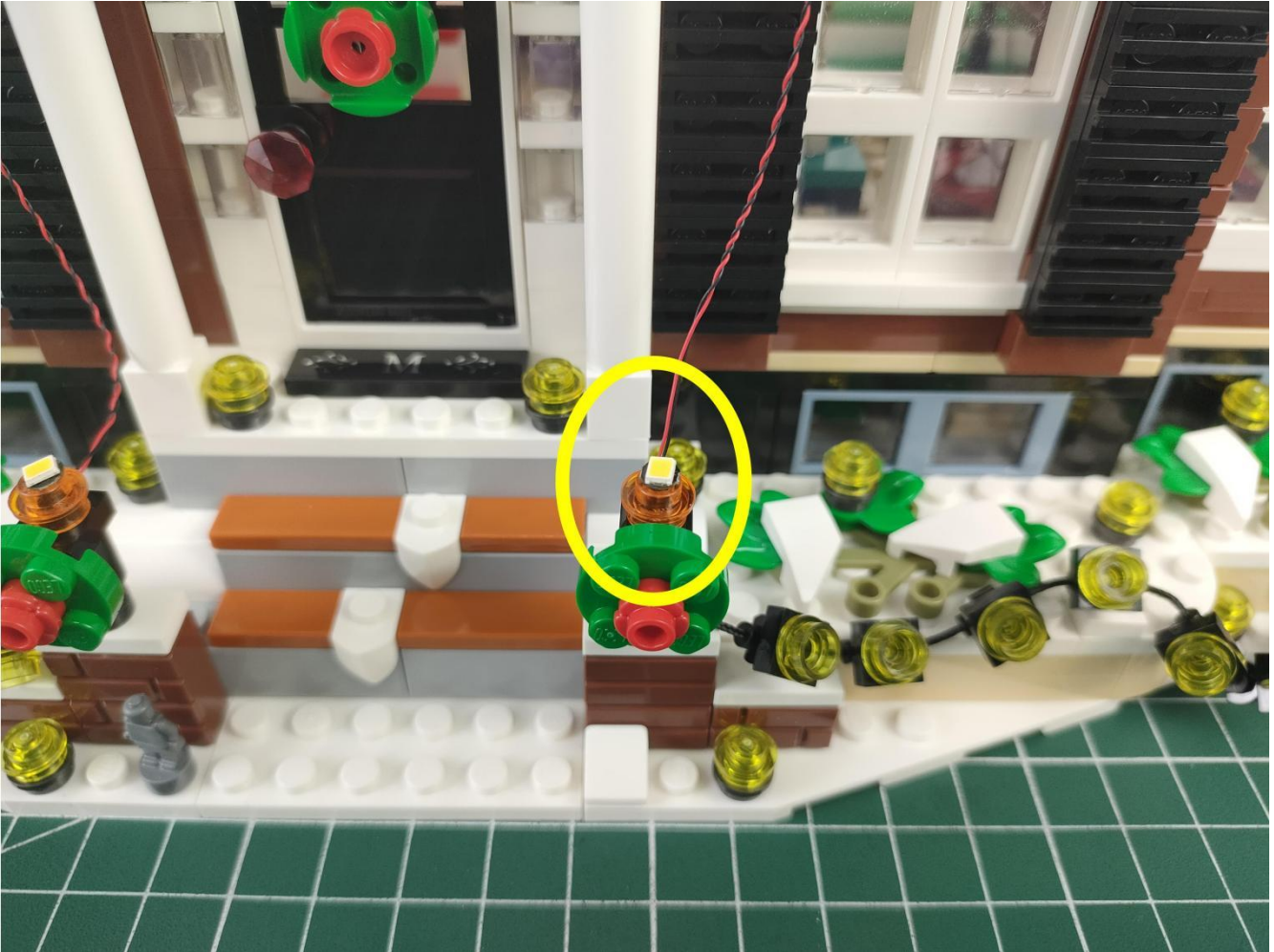
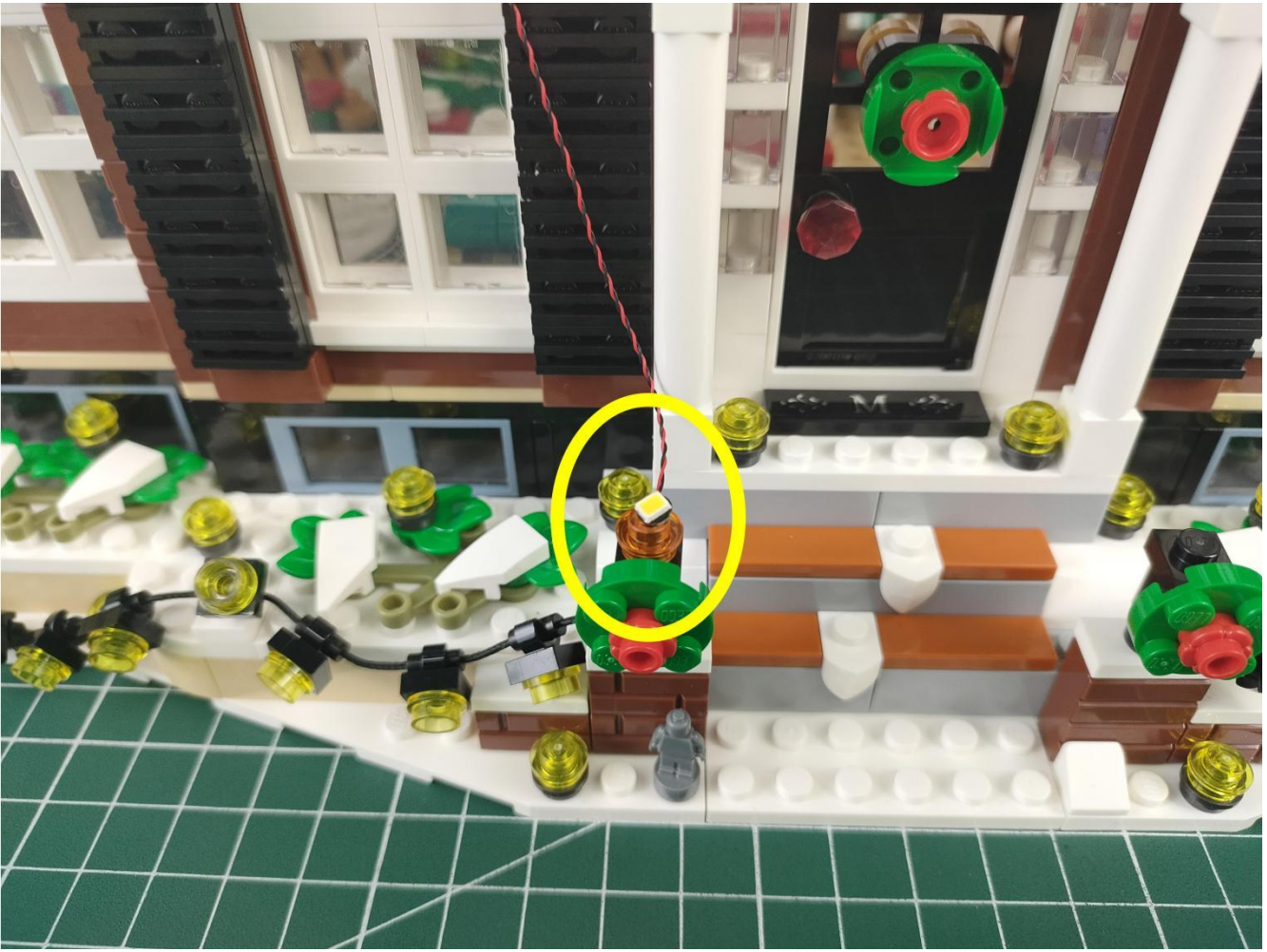
### **The plate with slit:**

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.





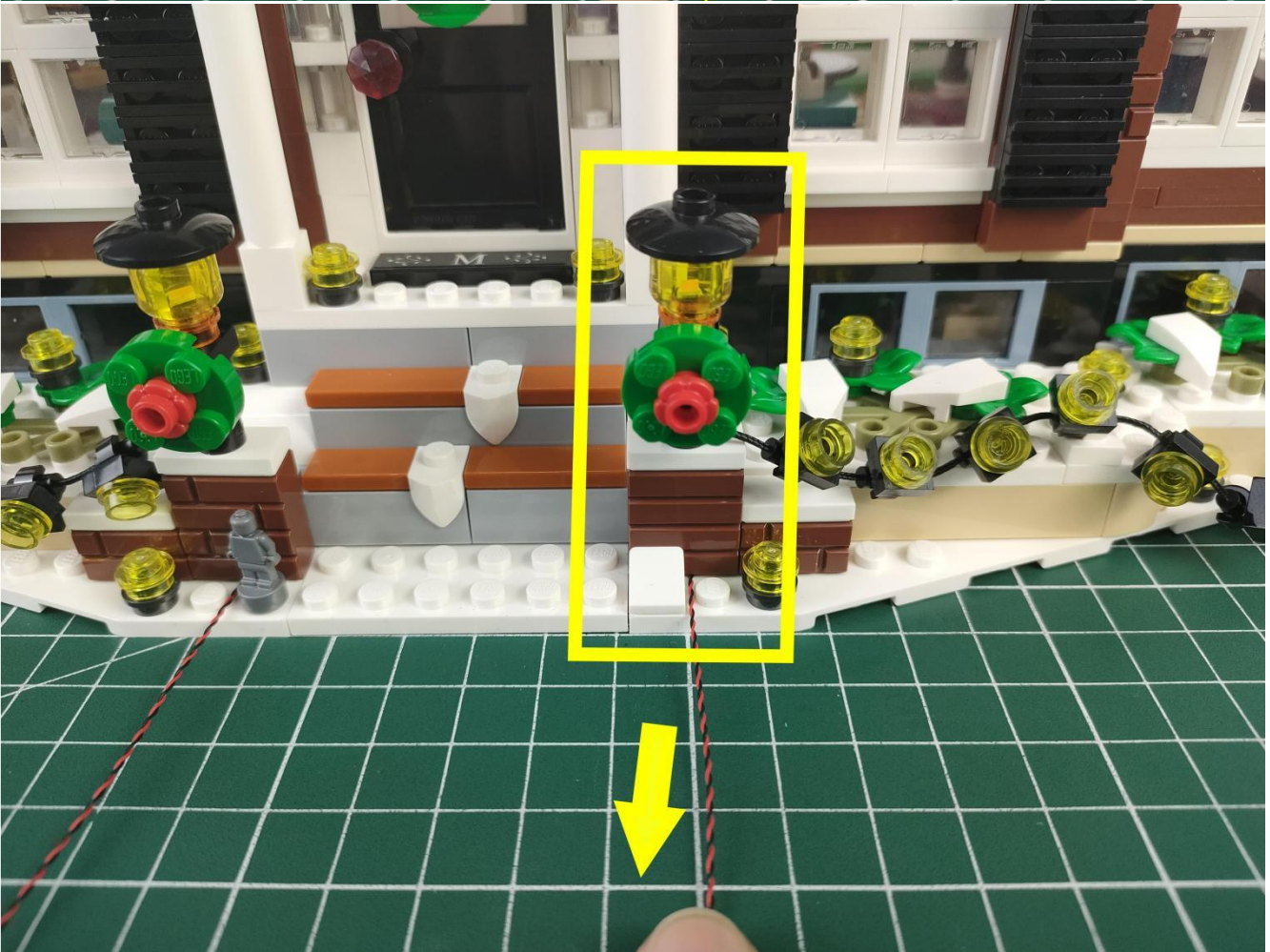
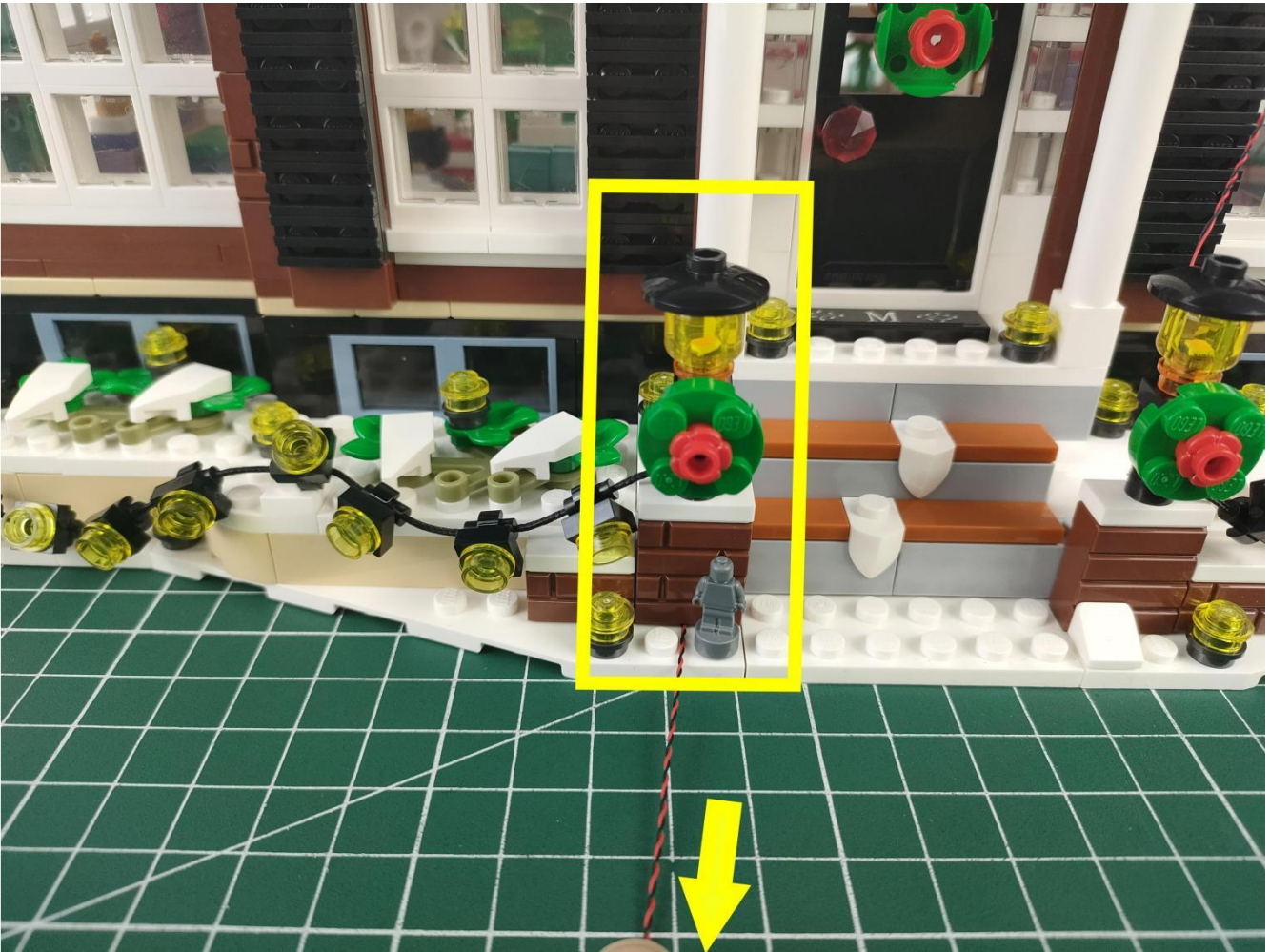




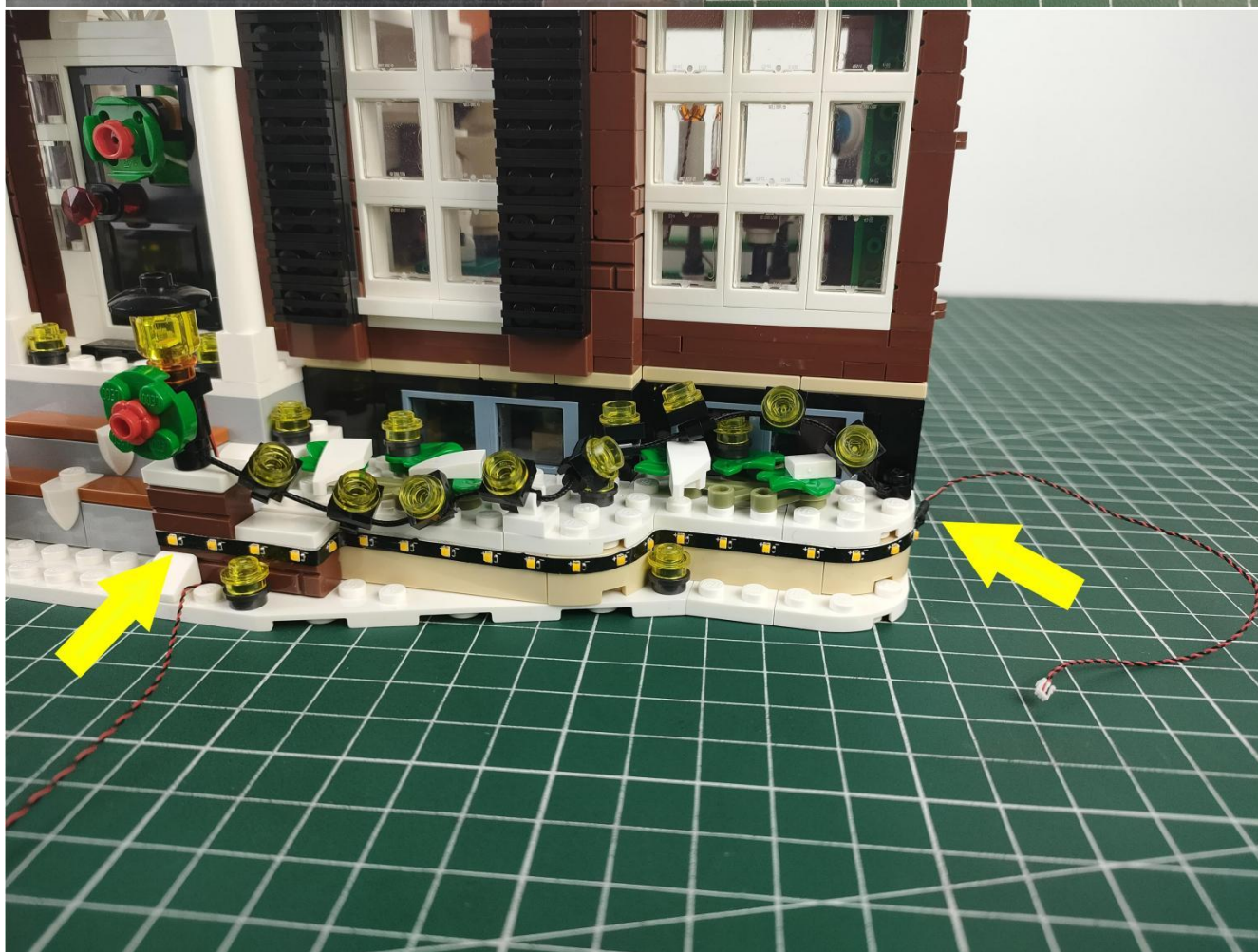








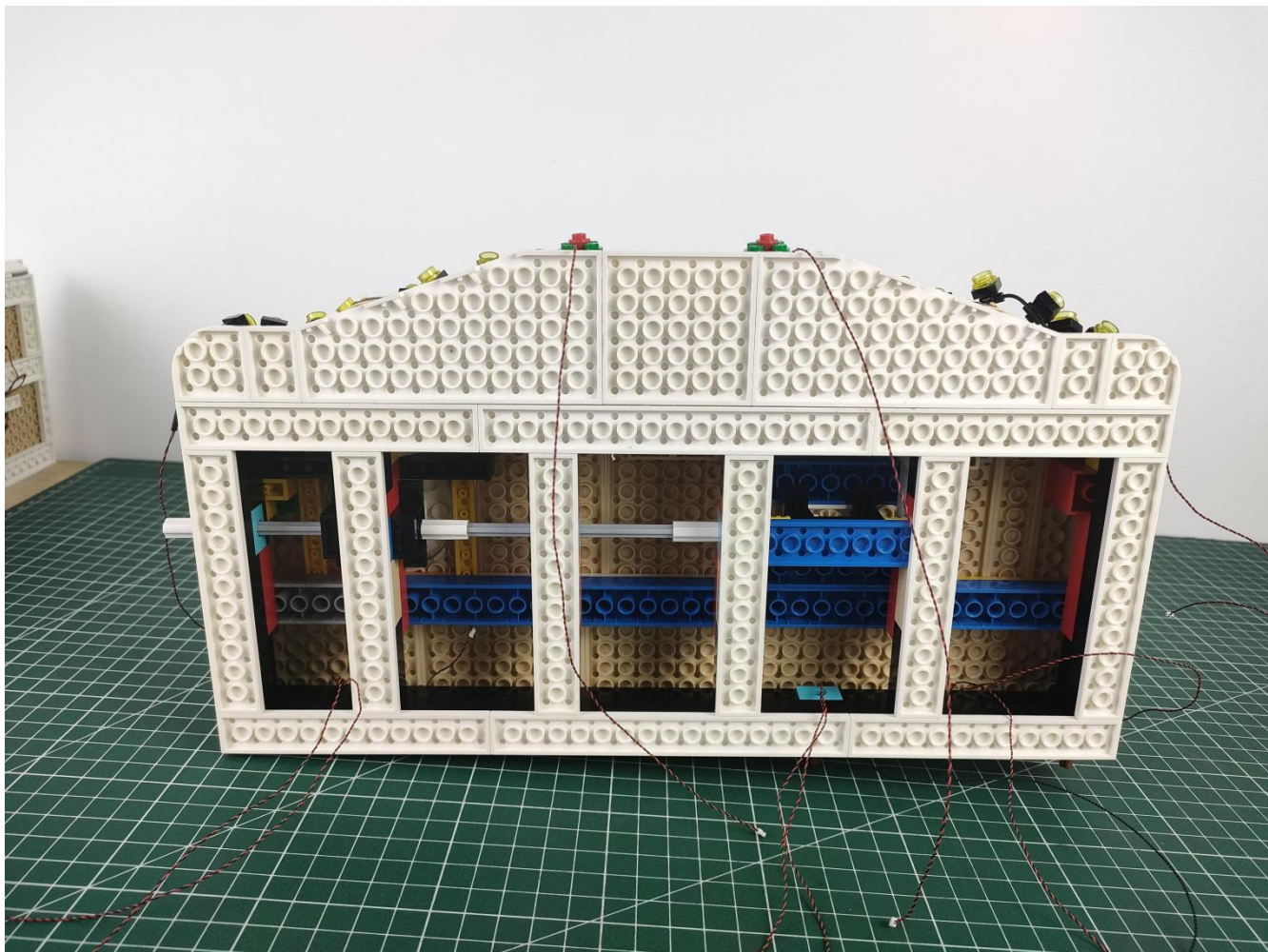




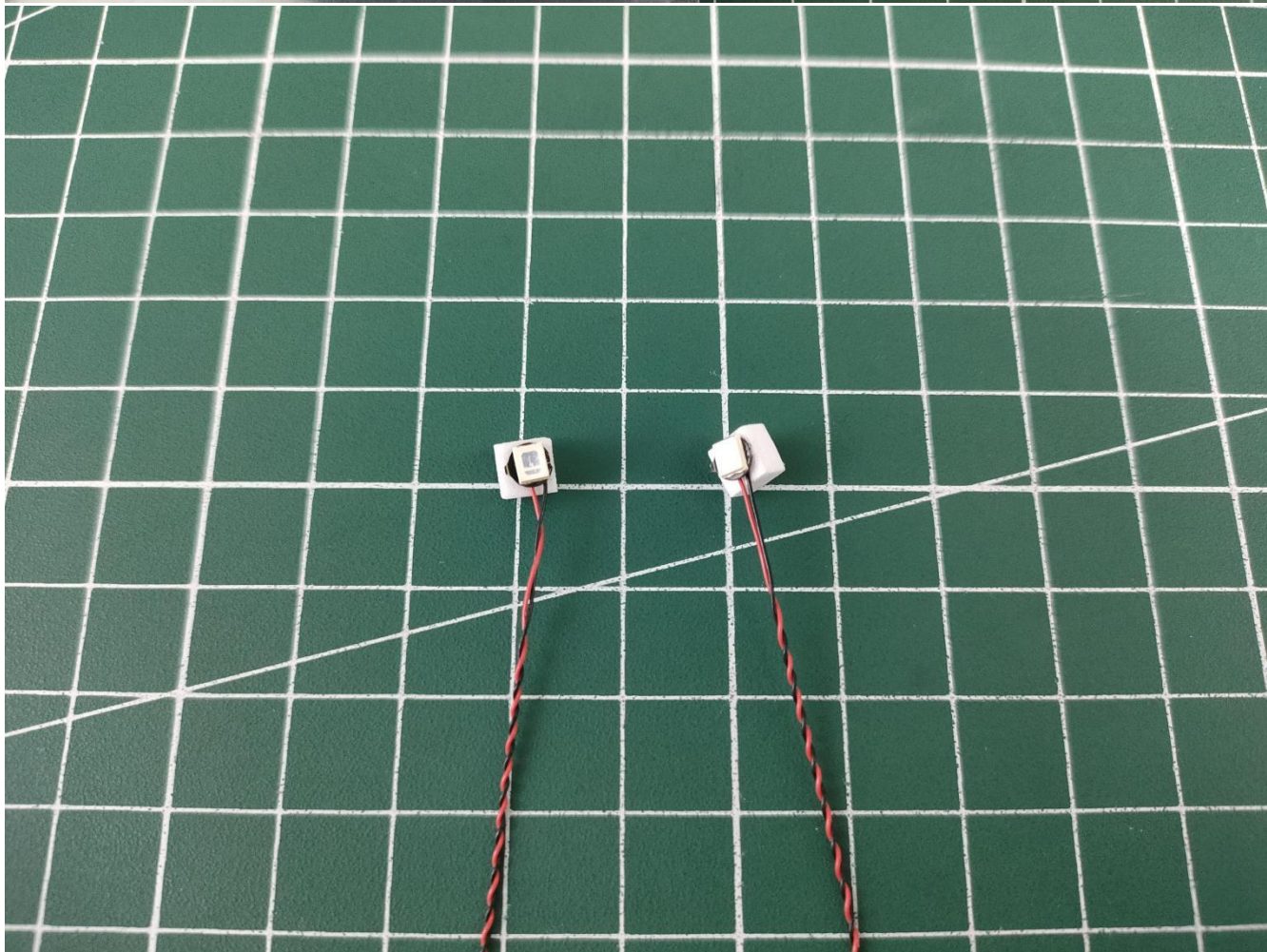




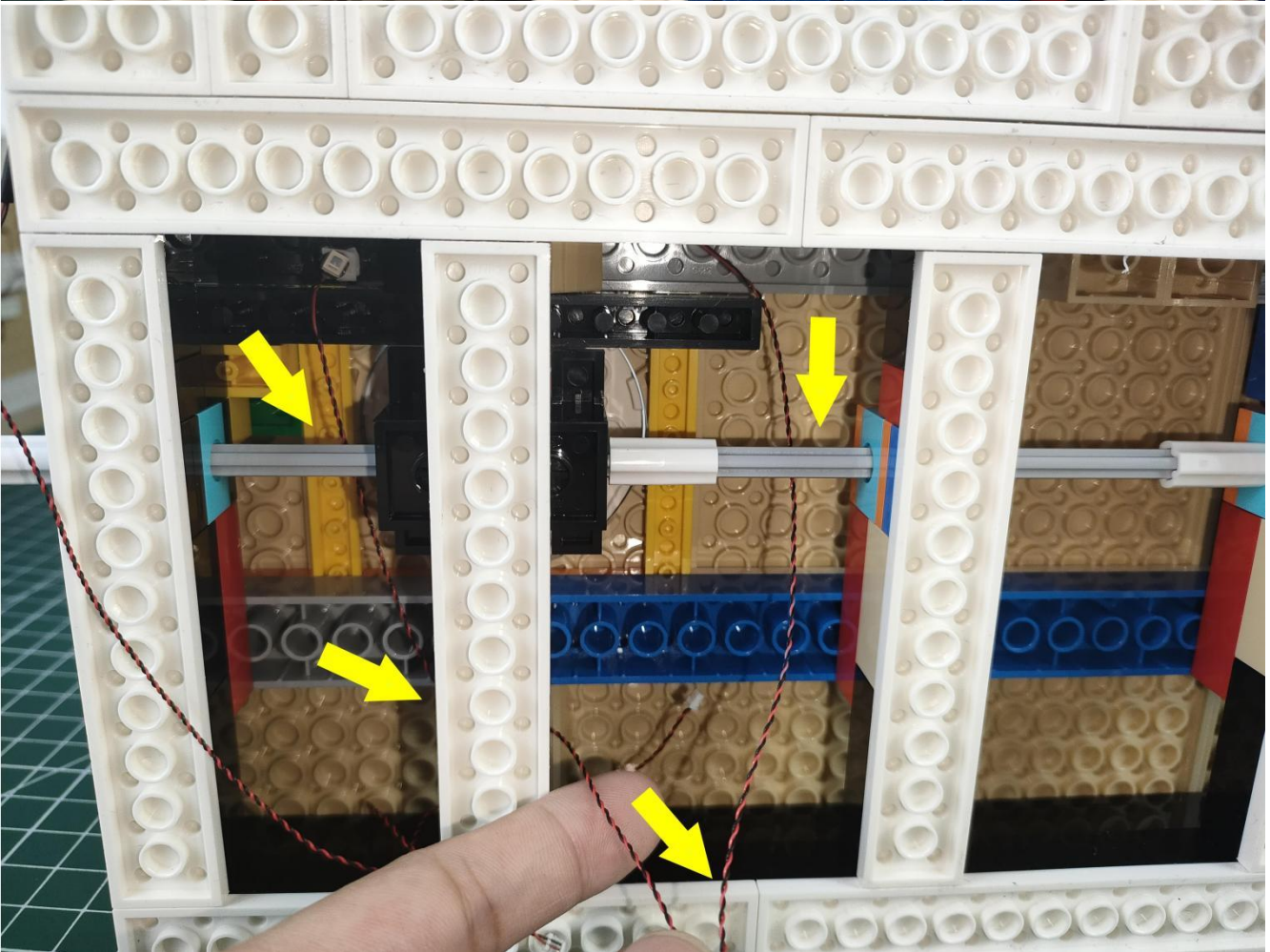
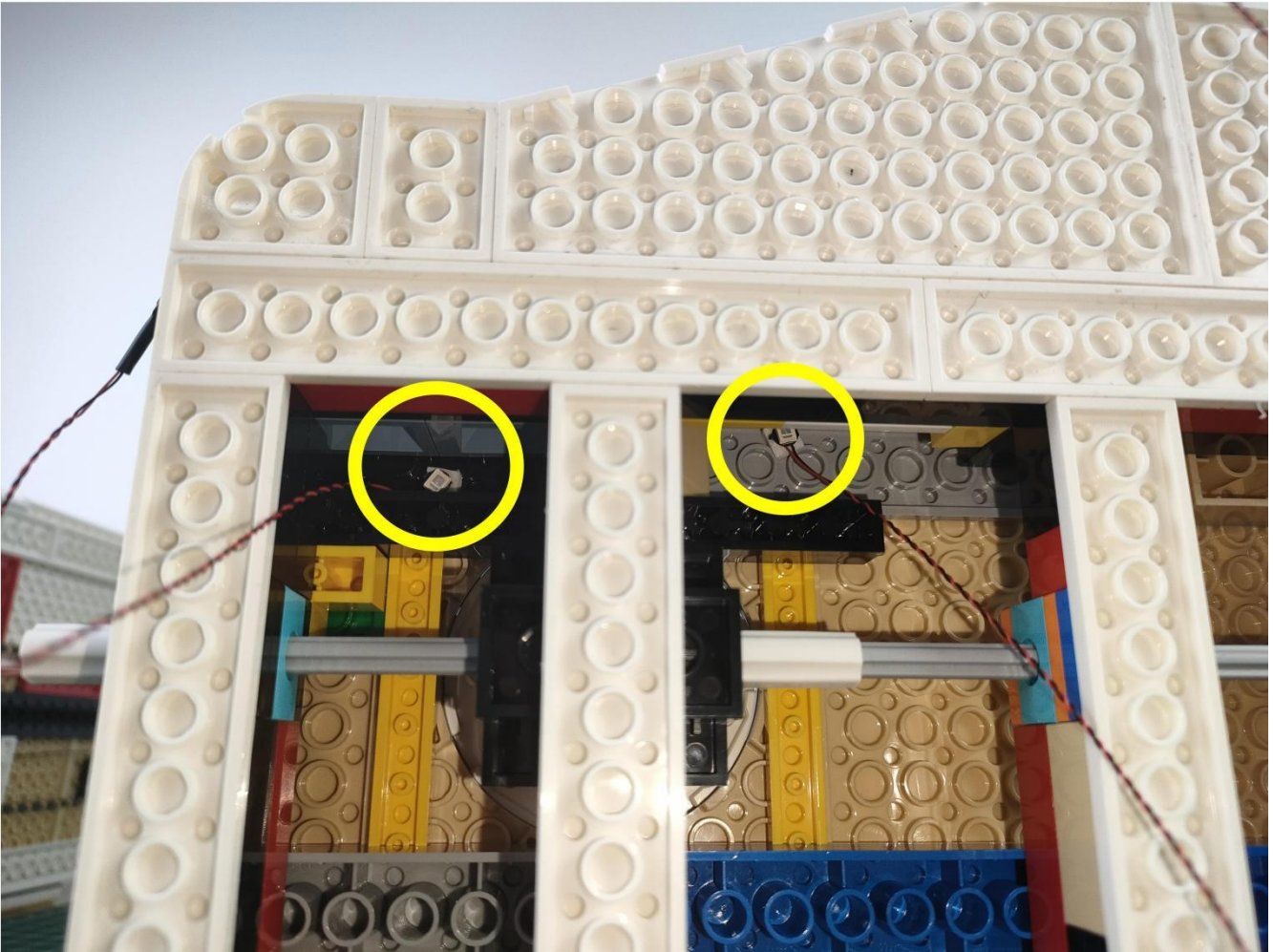














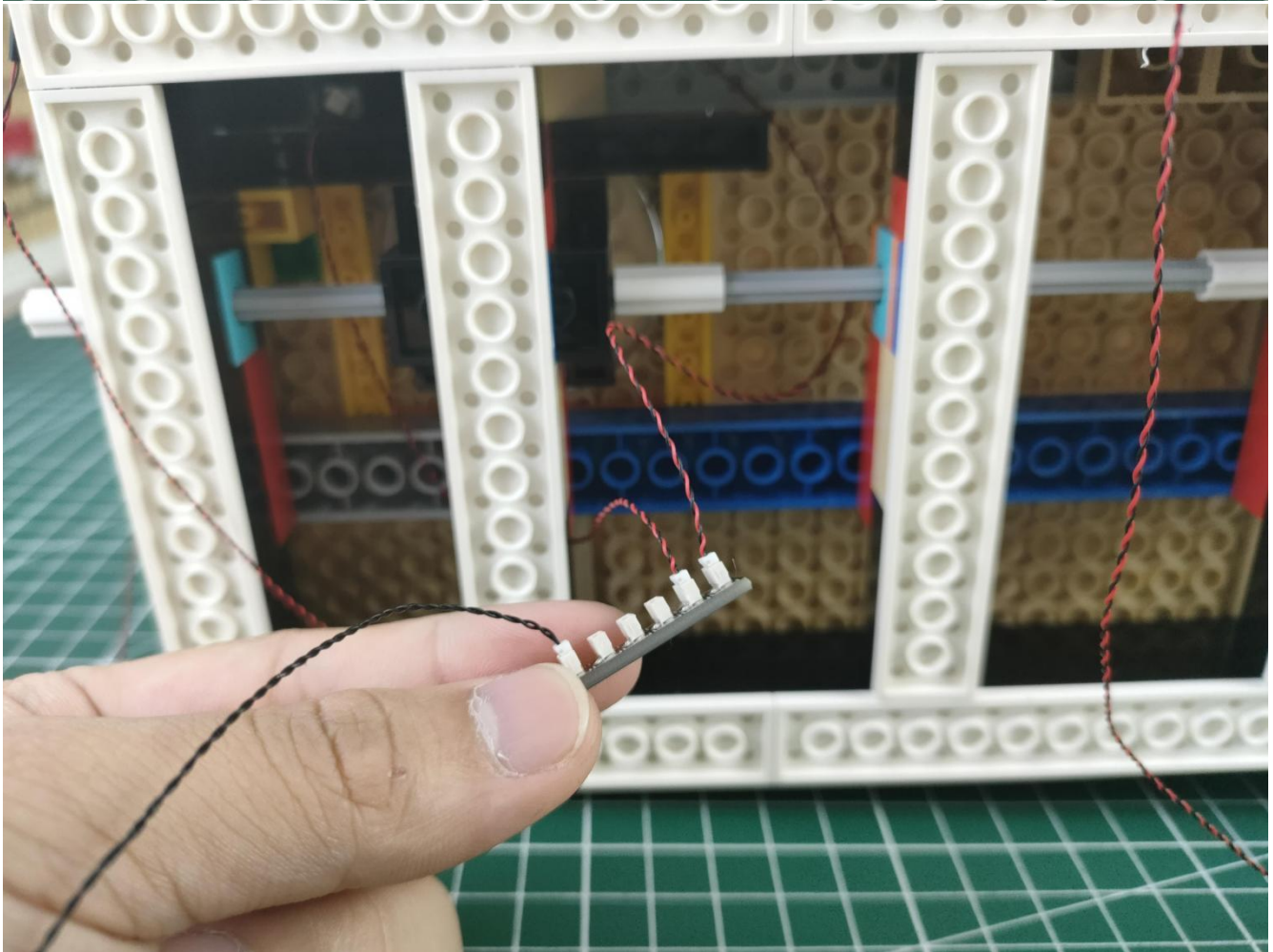
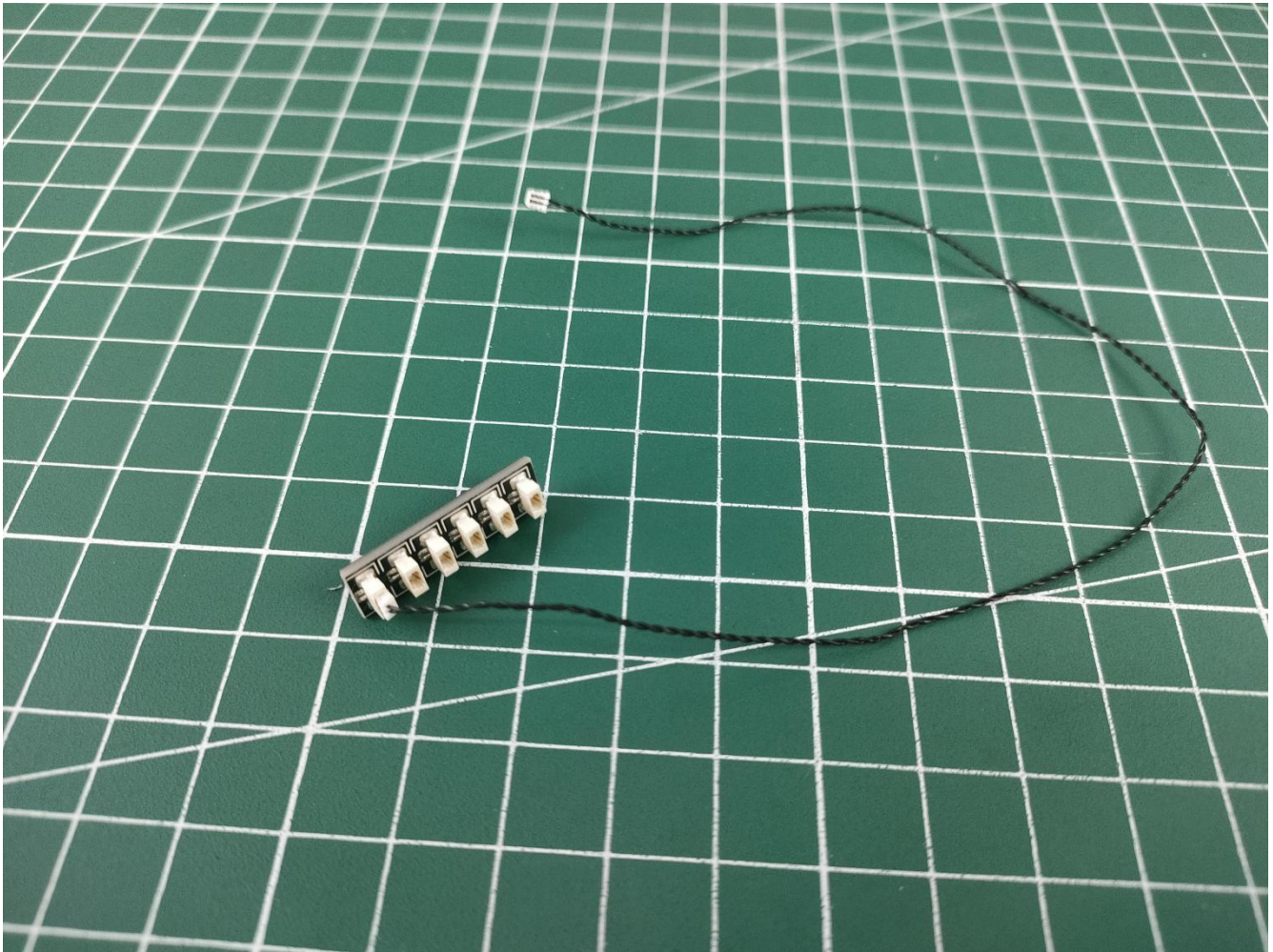


擴充板  
Expansion Boards

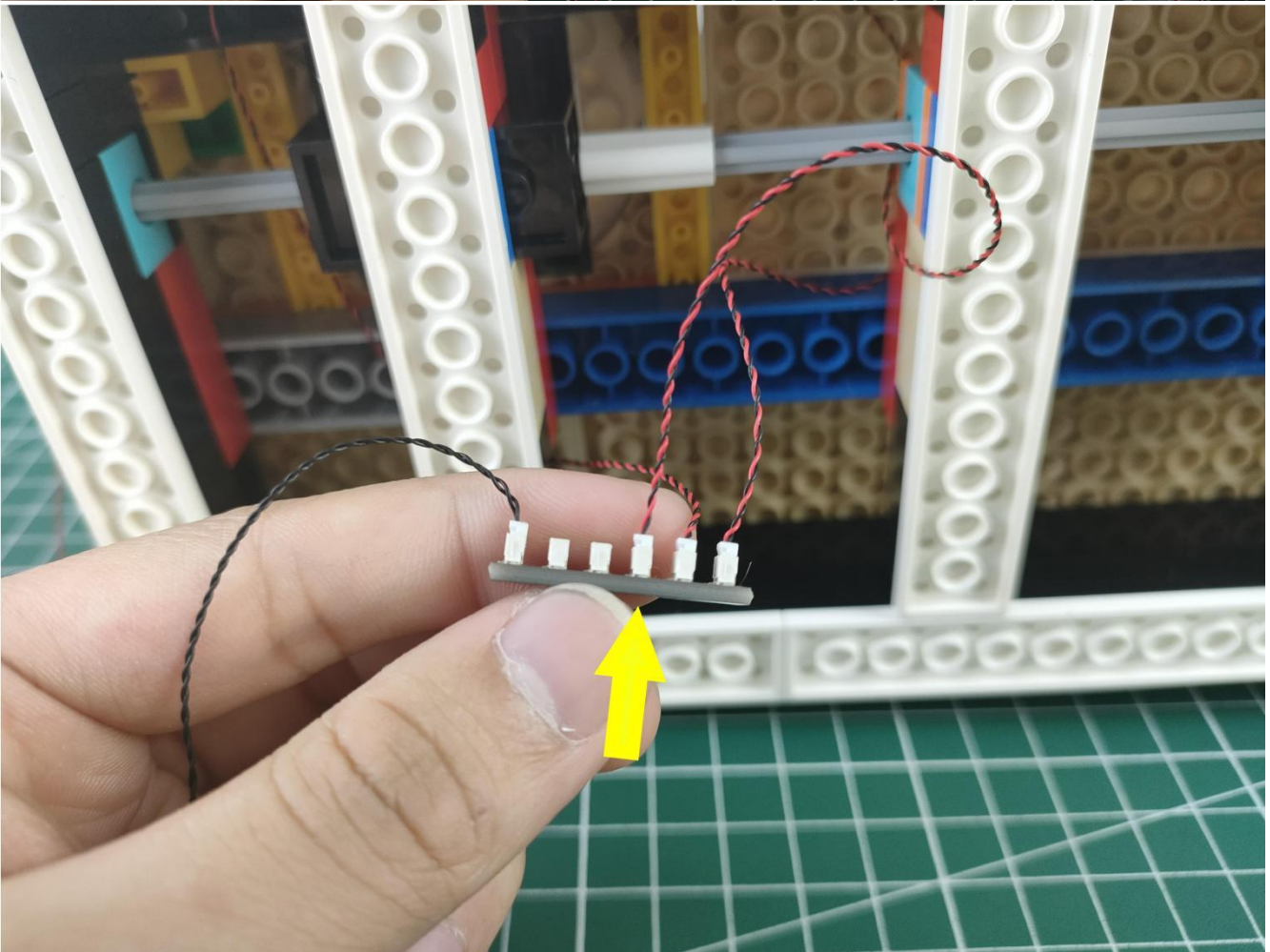
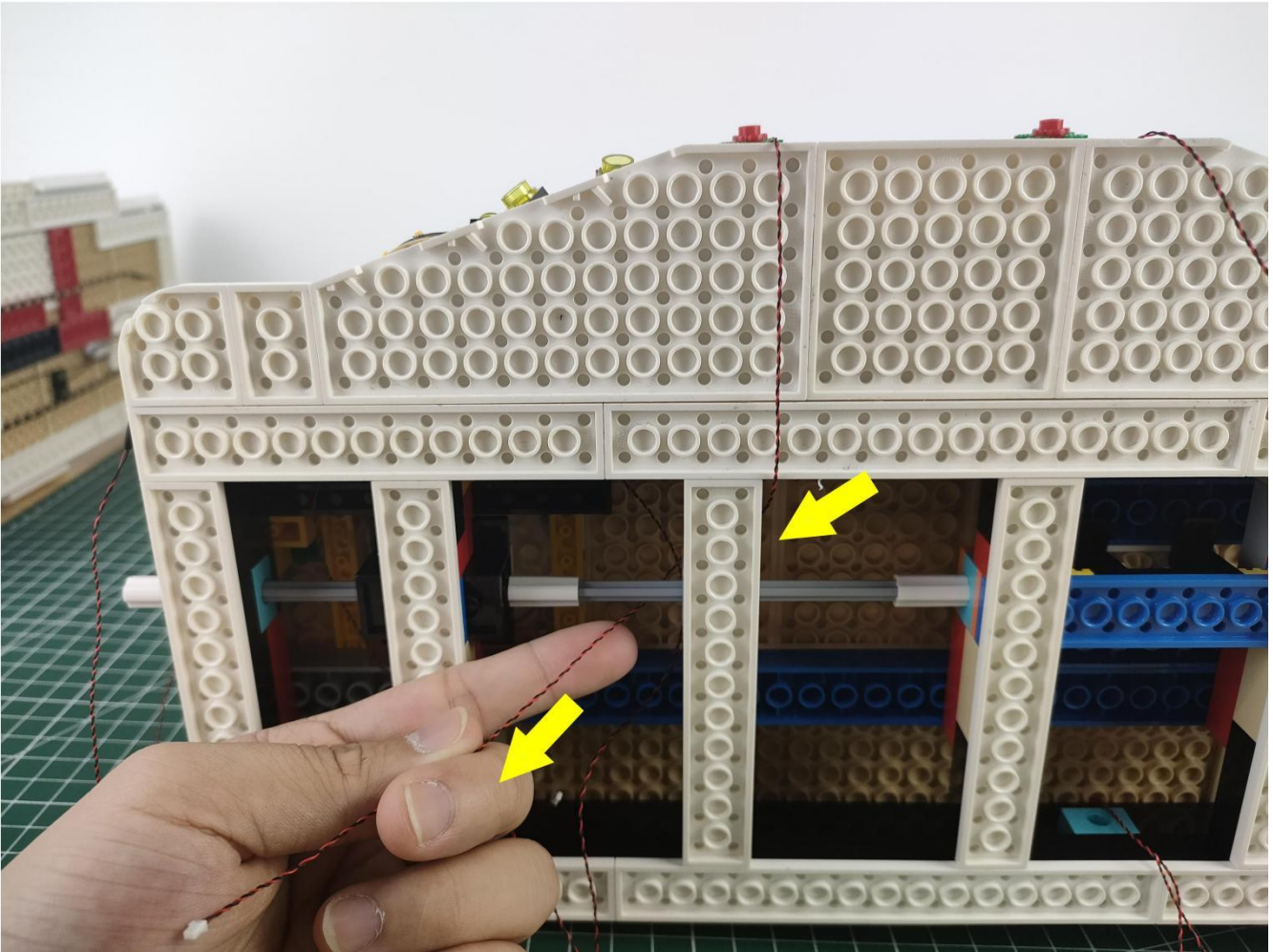


連接線 20CM  
Connecting Cables  
20CM

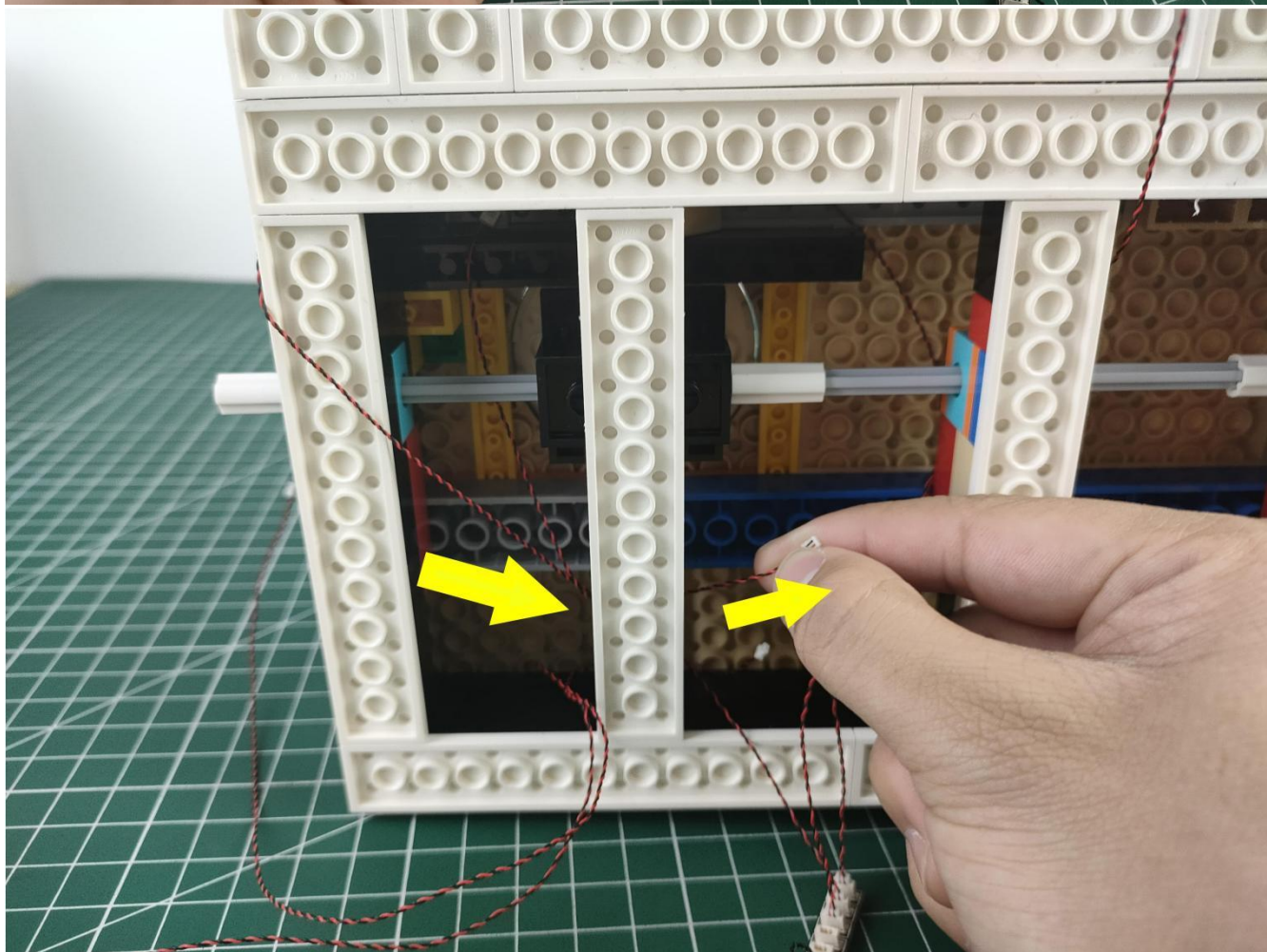
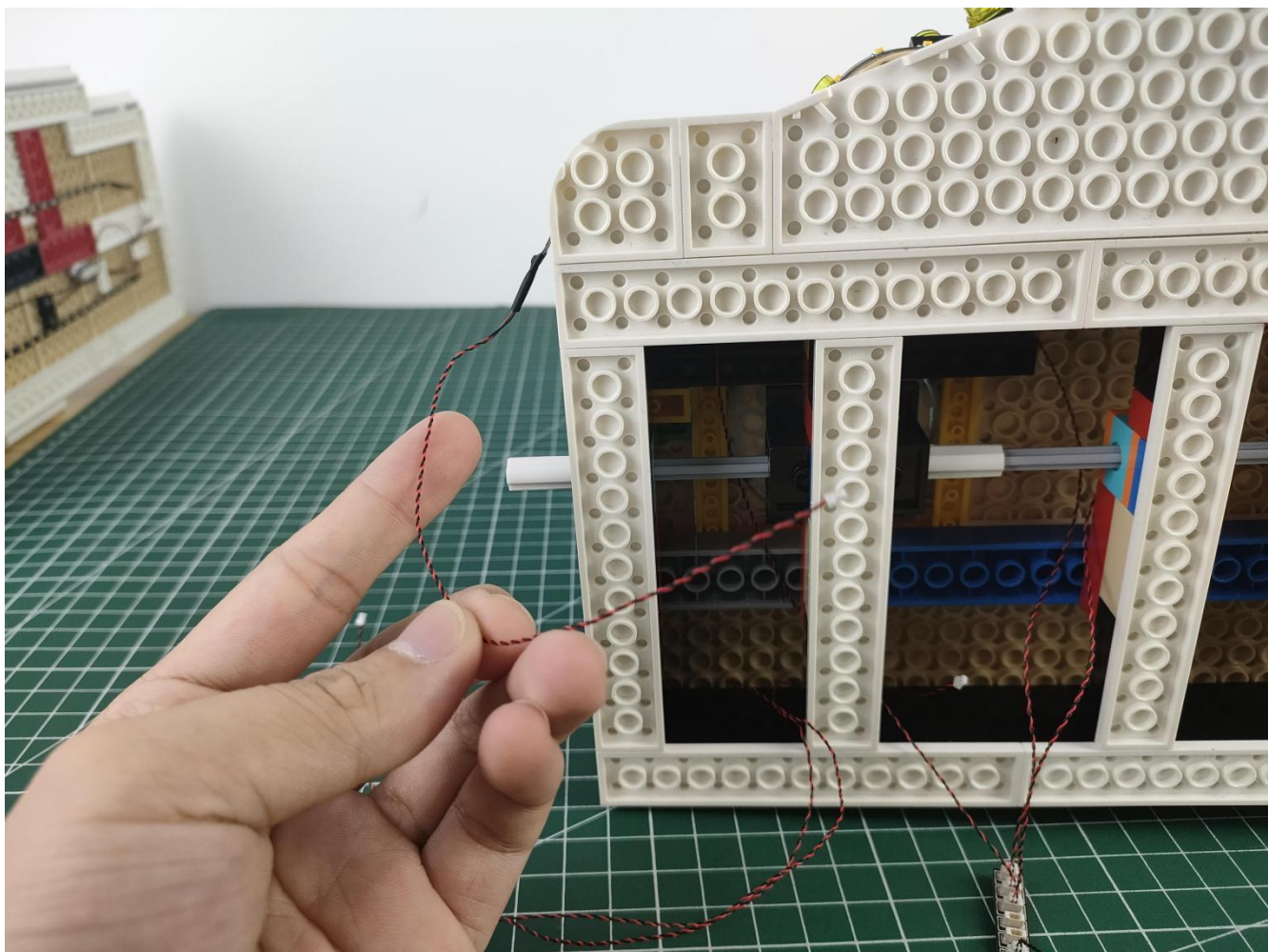




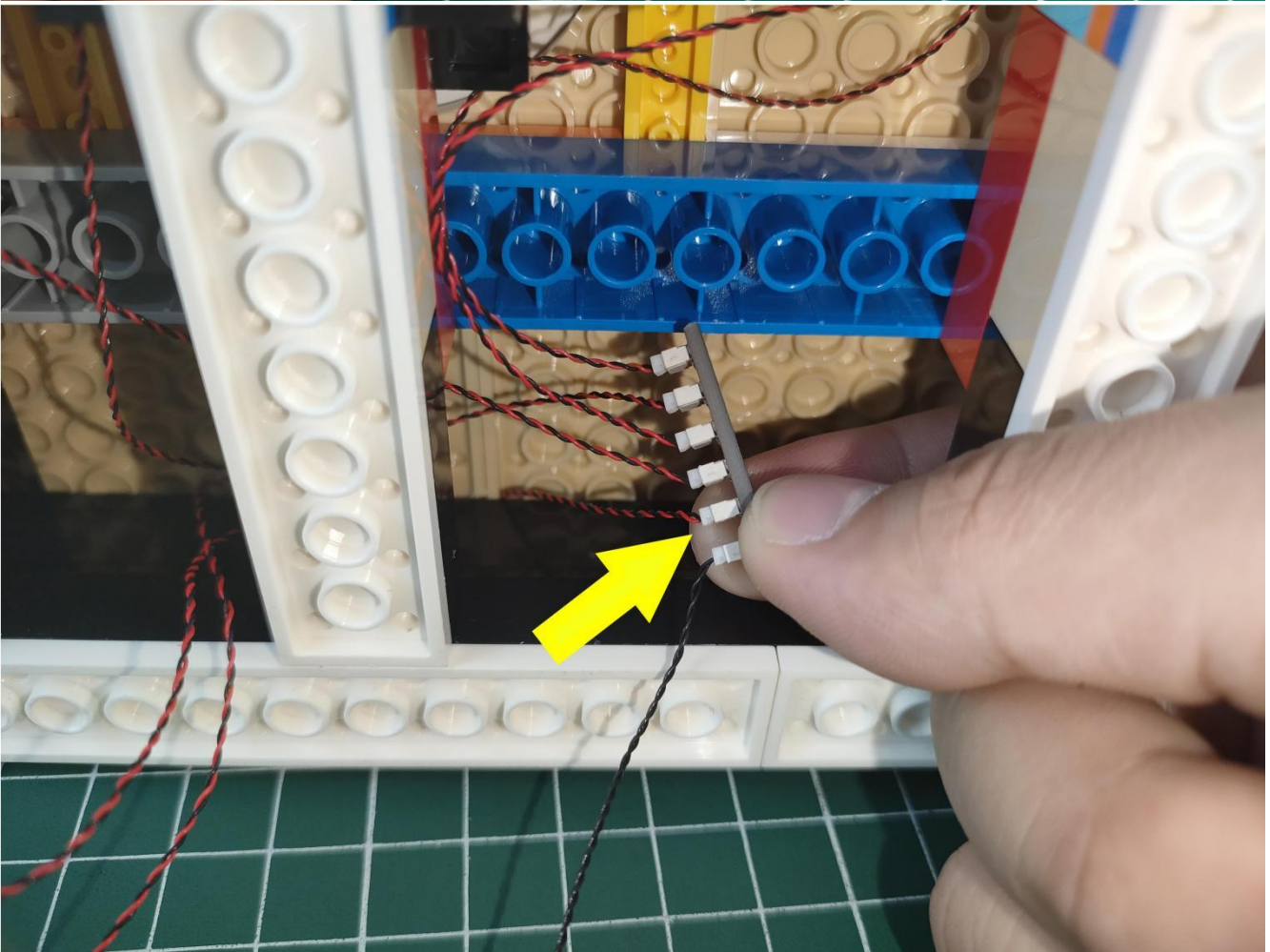
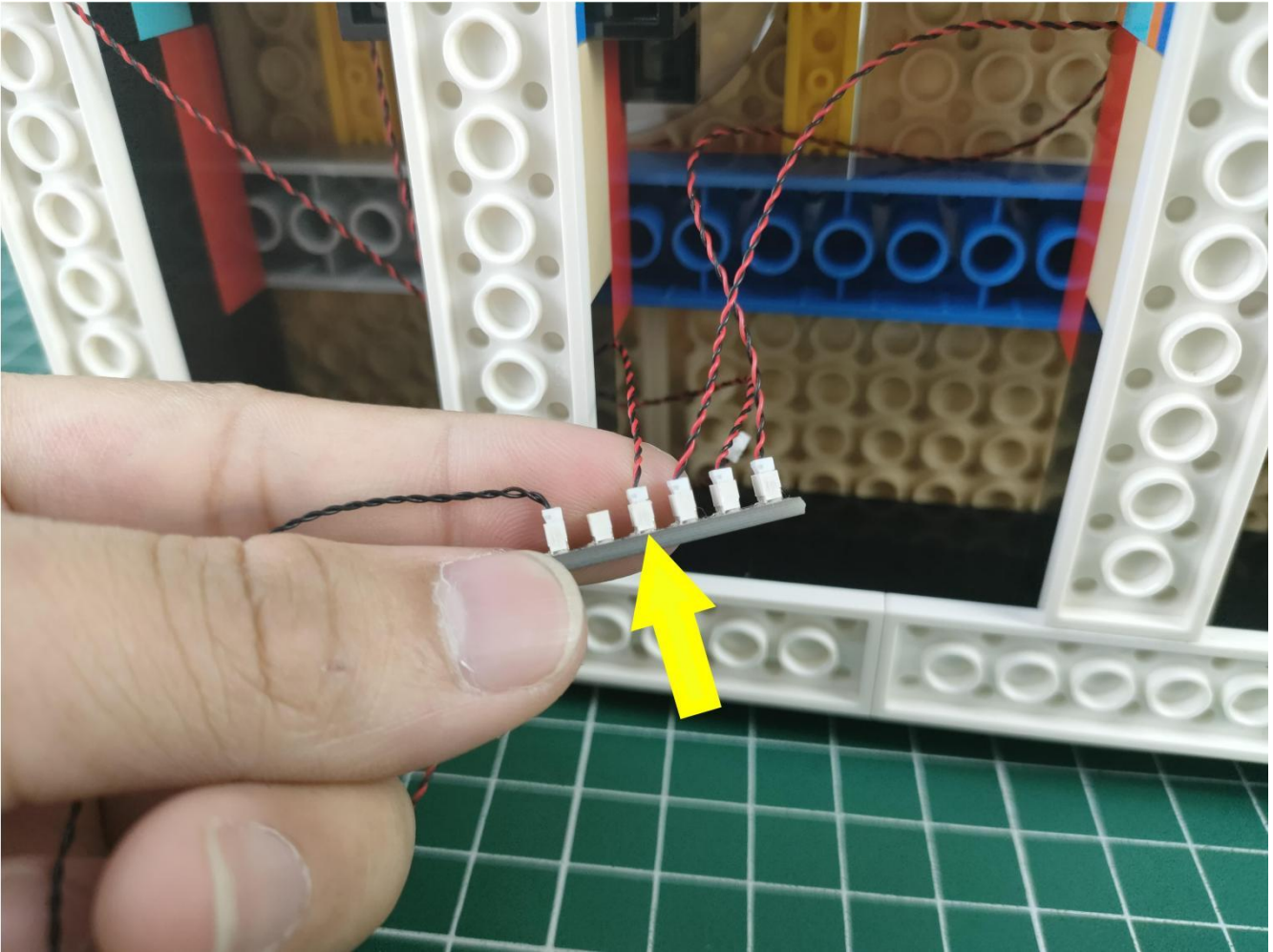




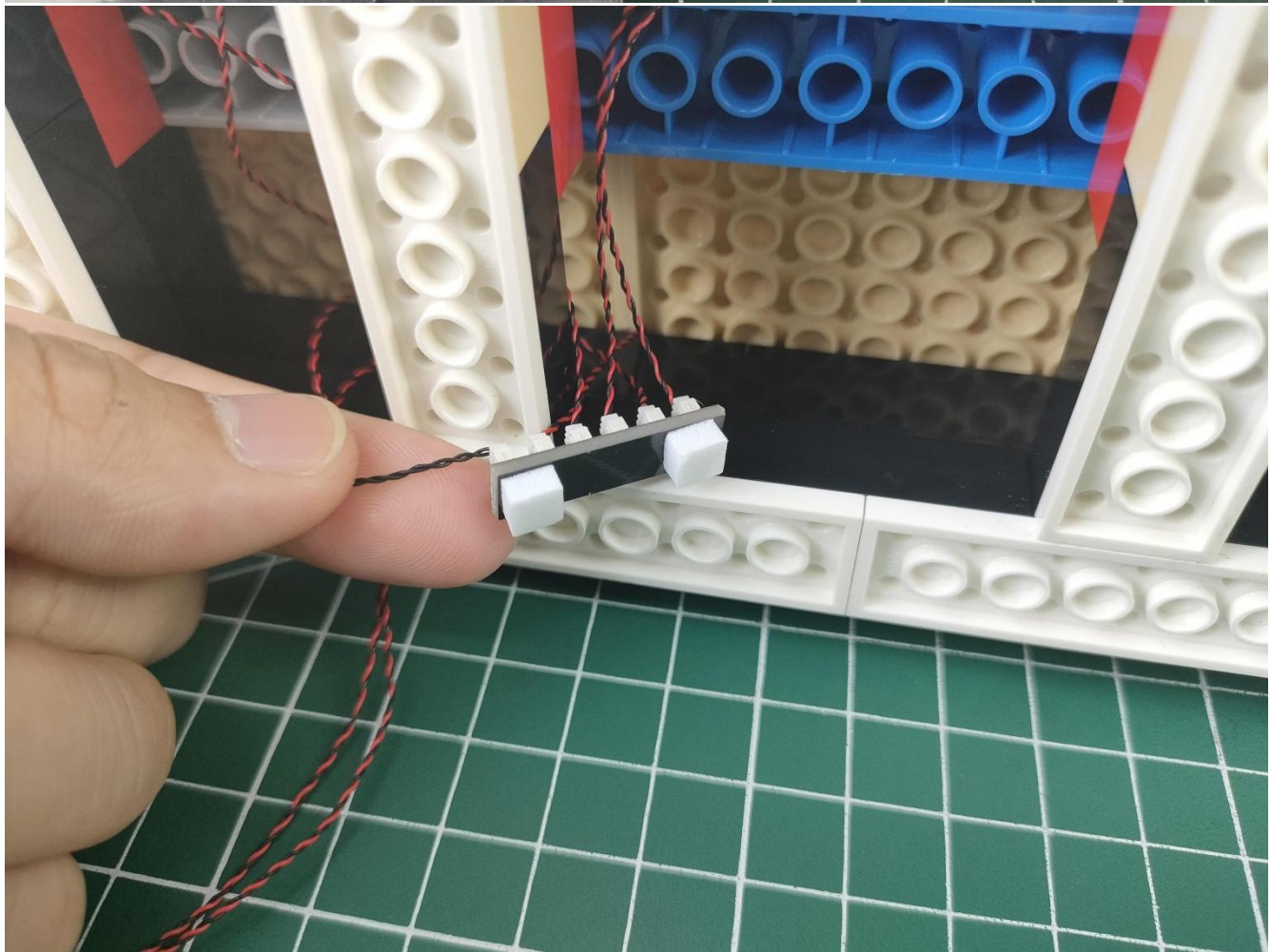




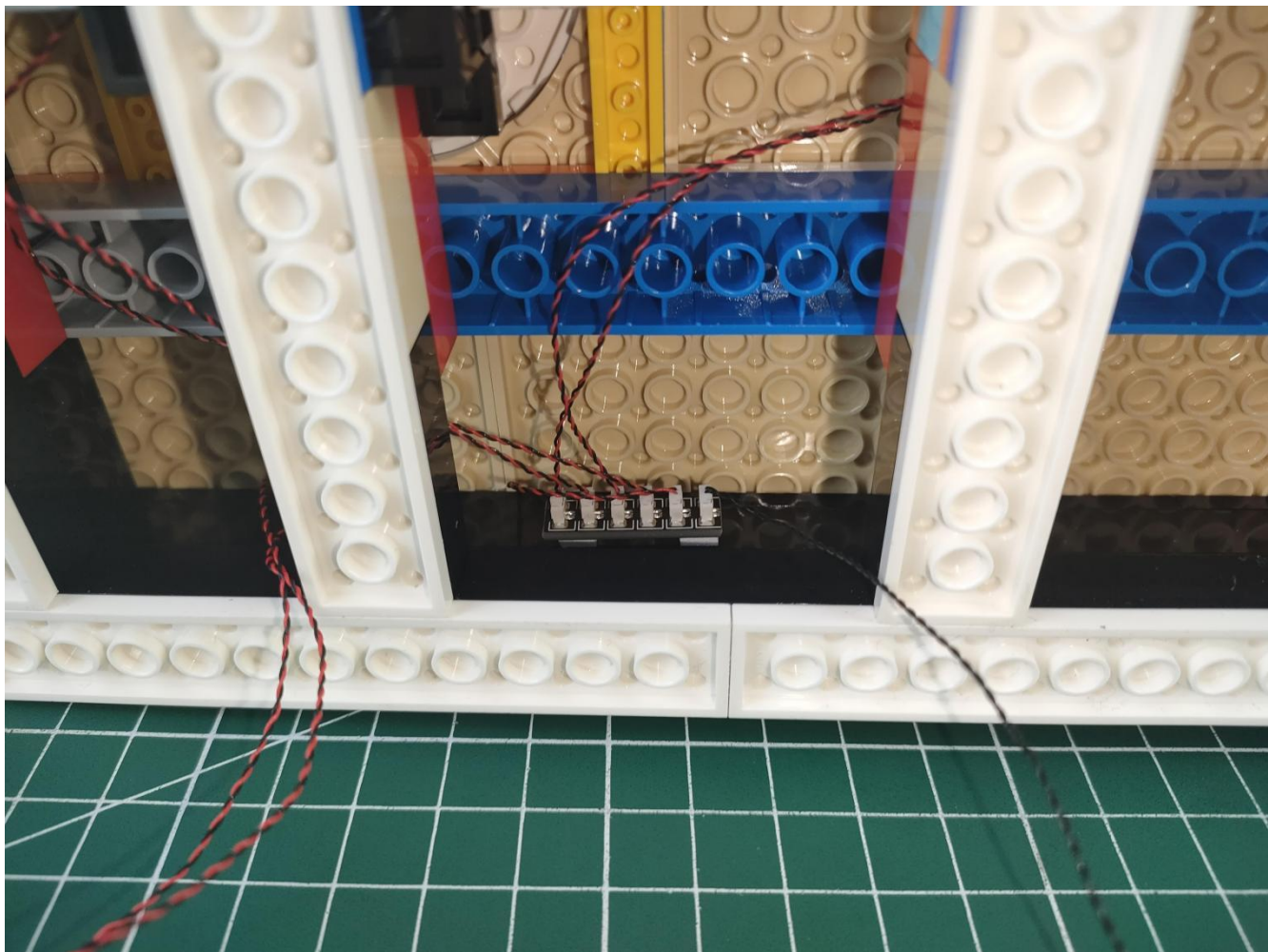




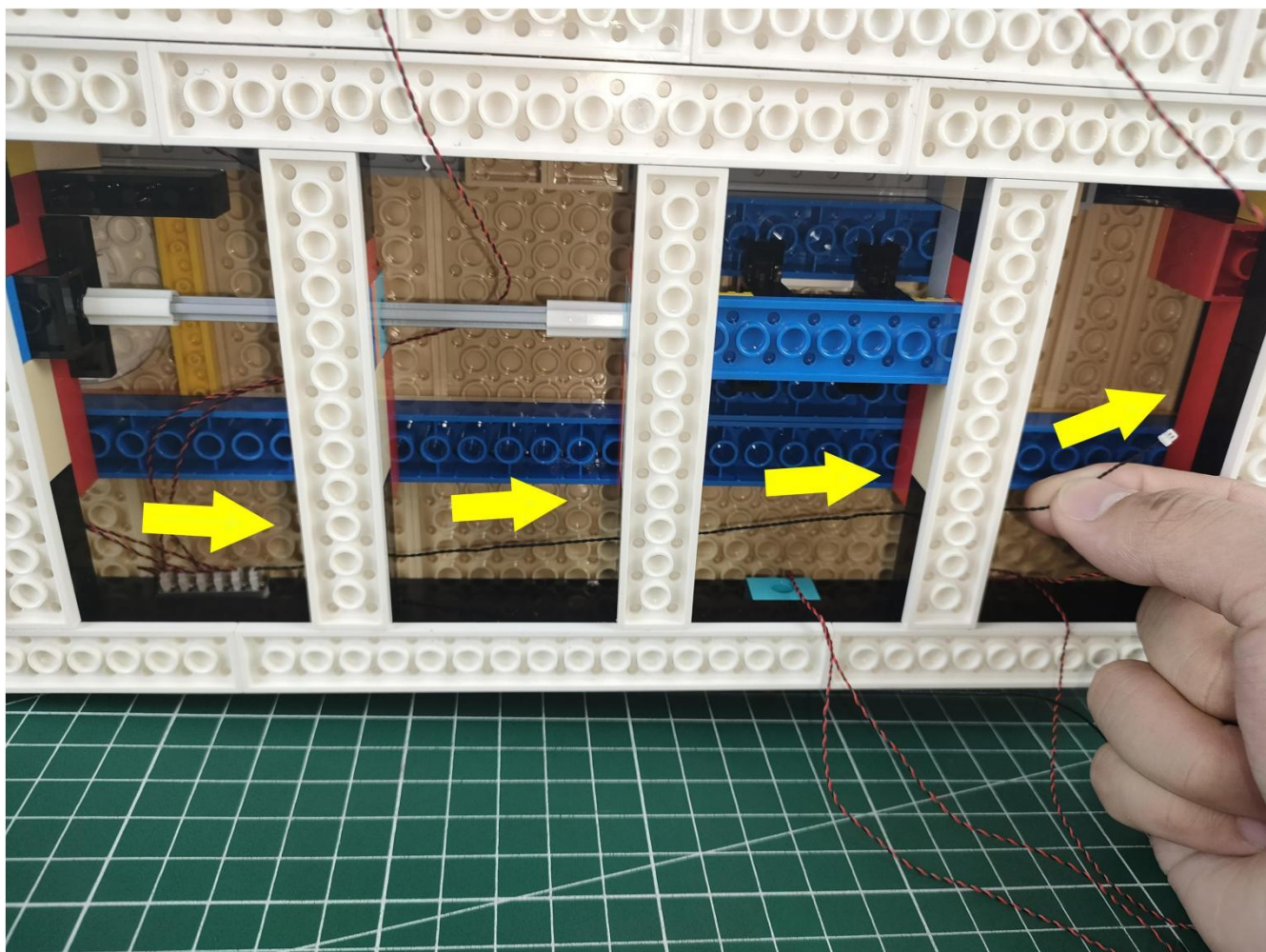




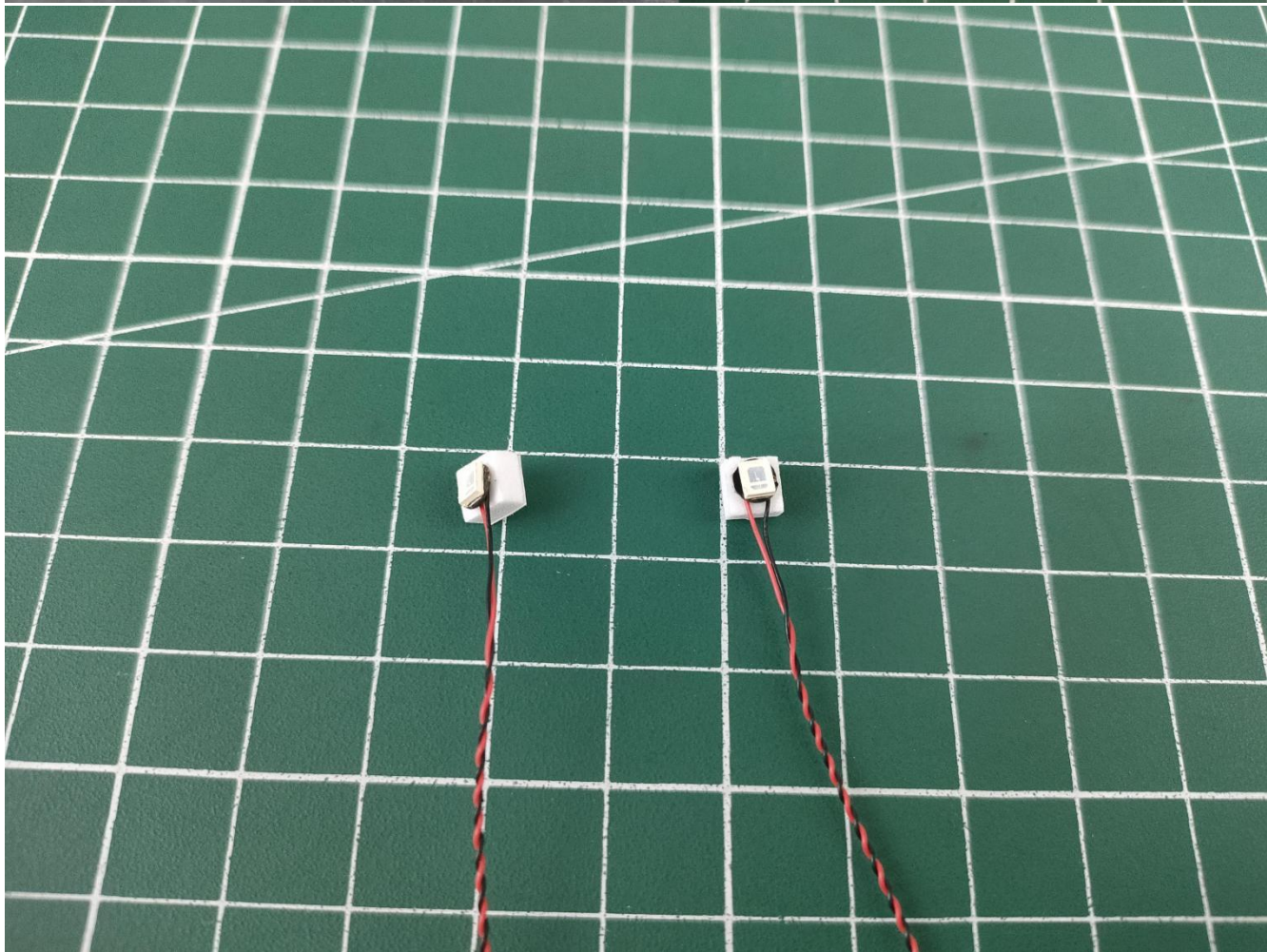




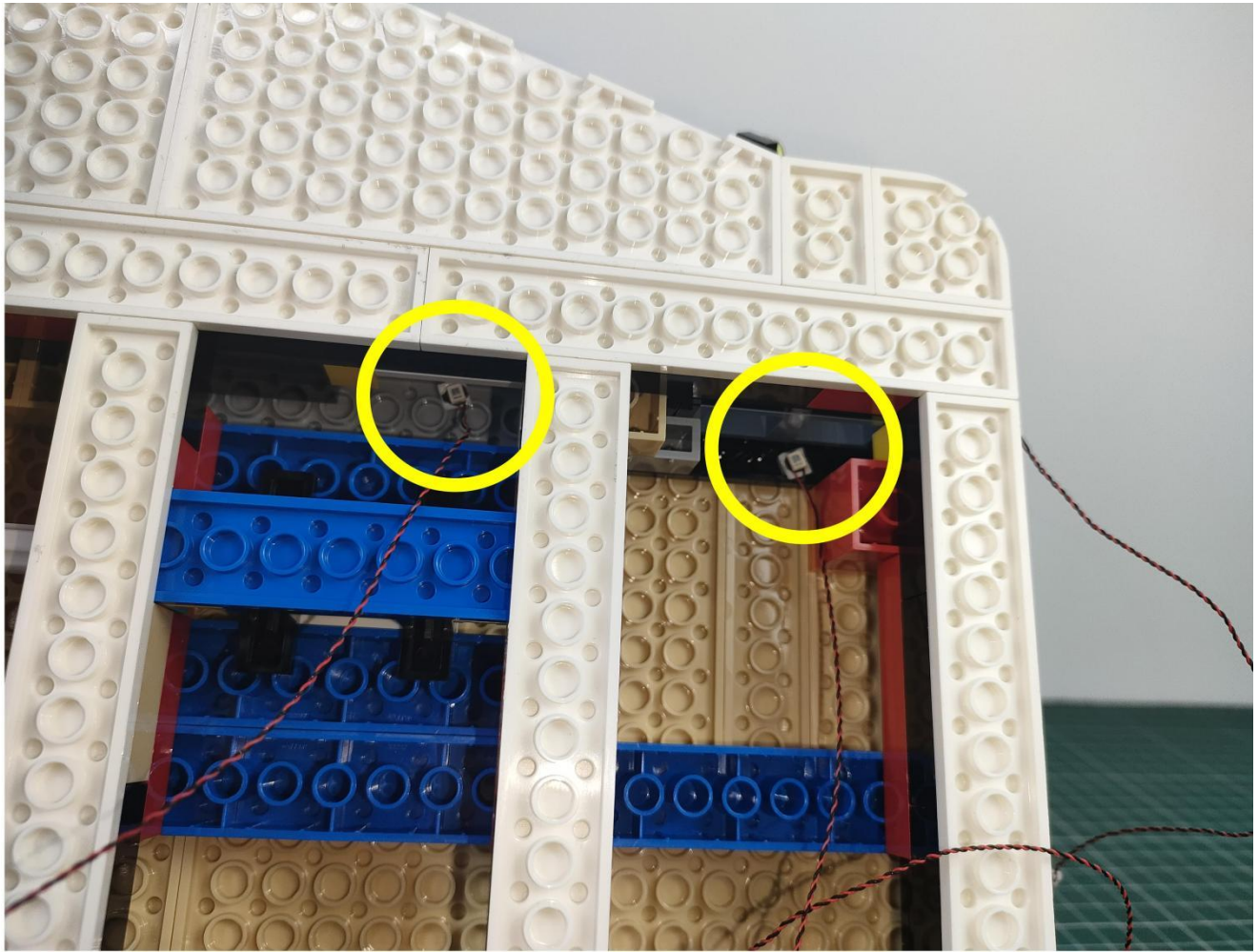




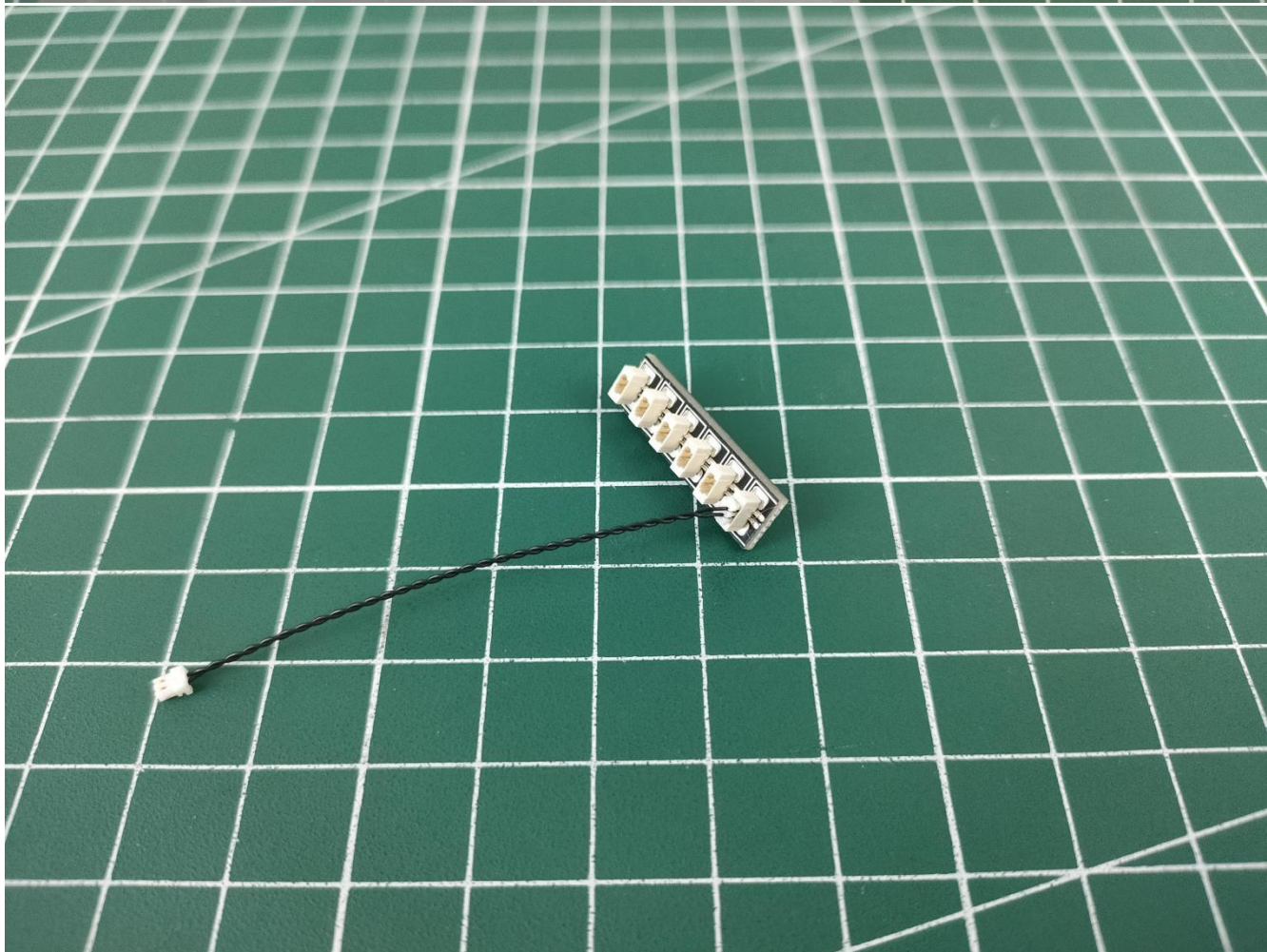




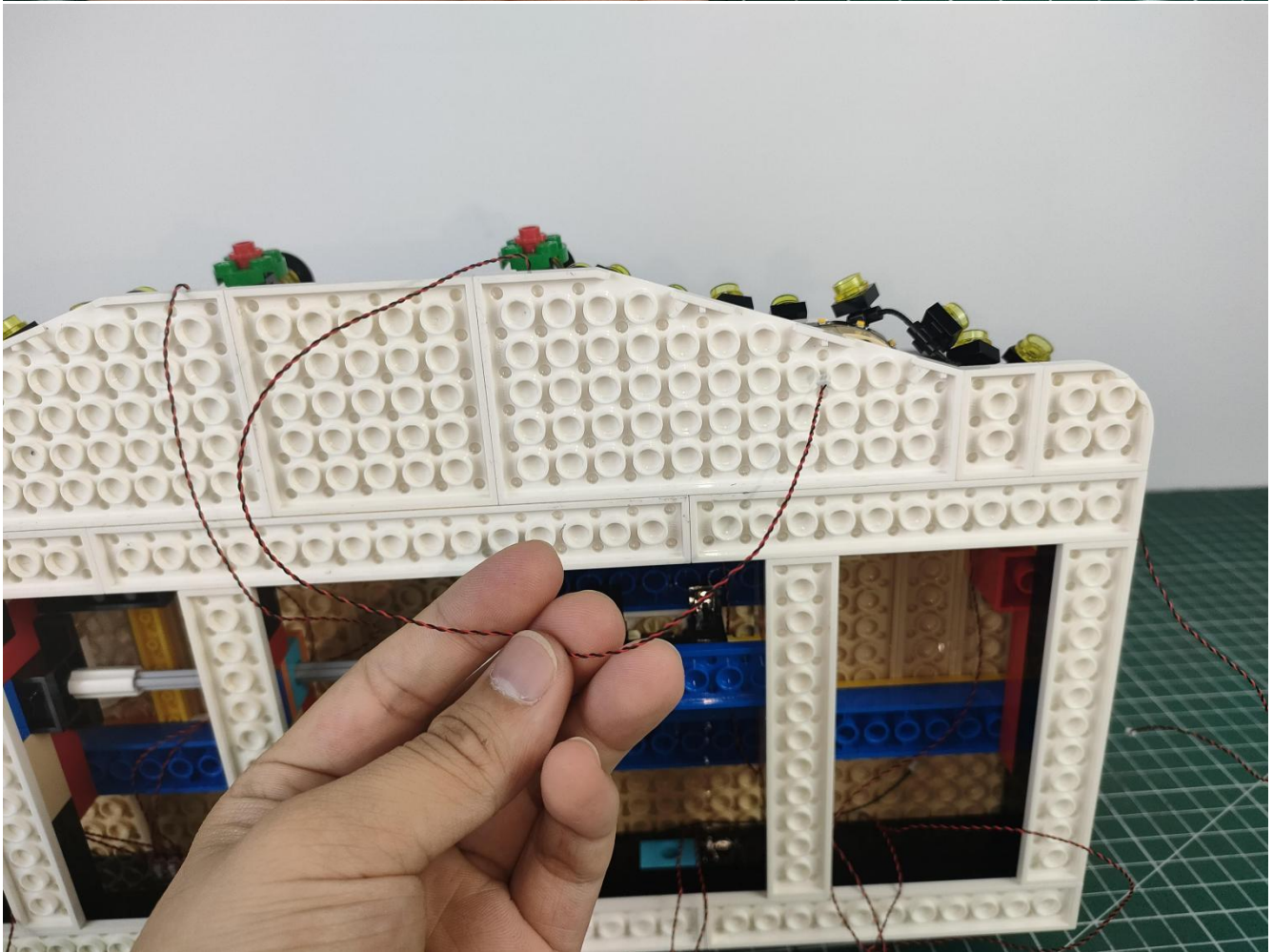
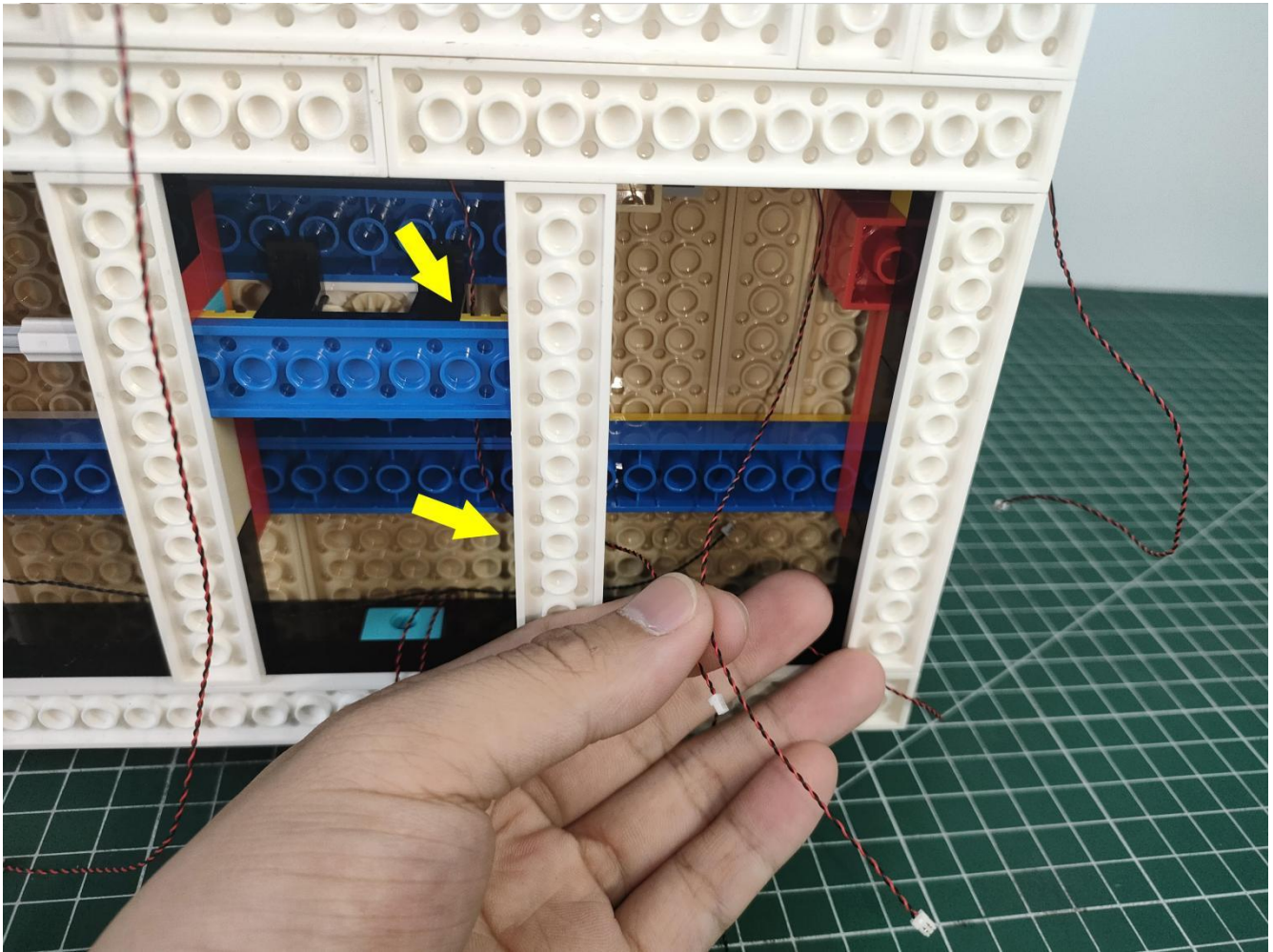




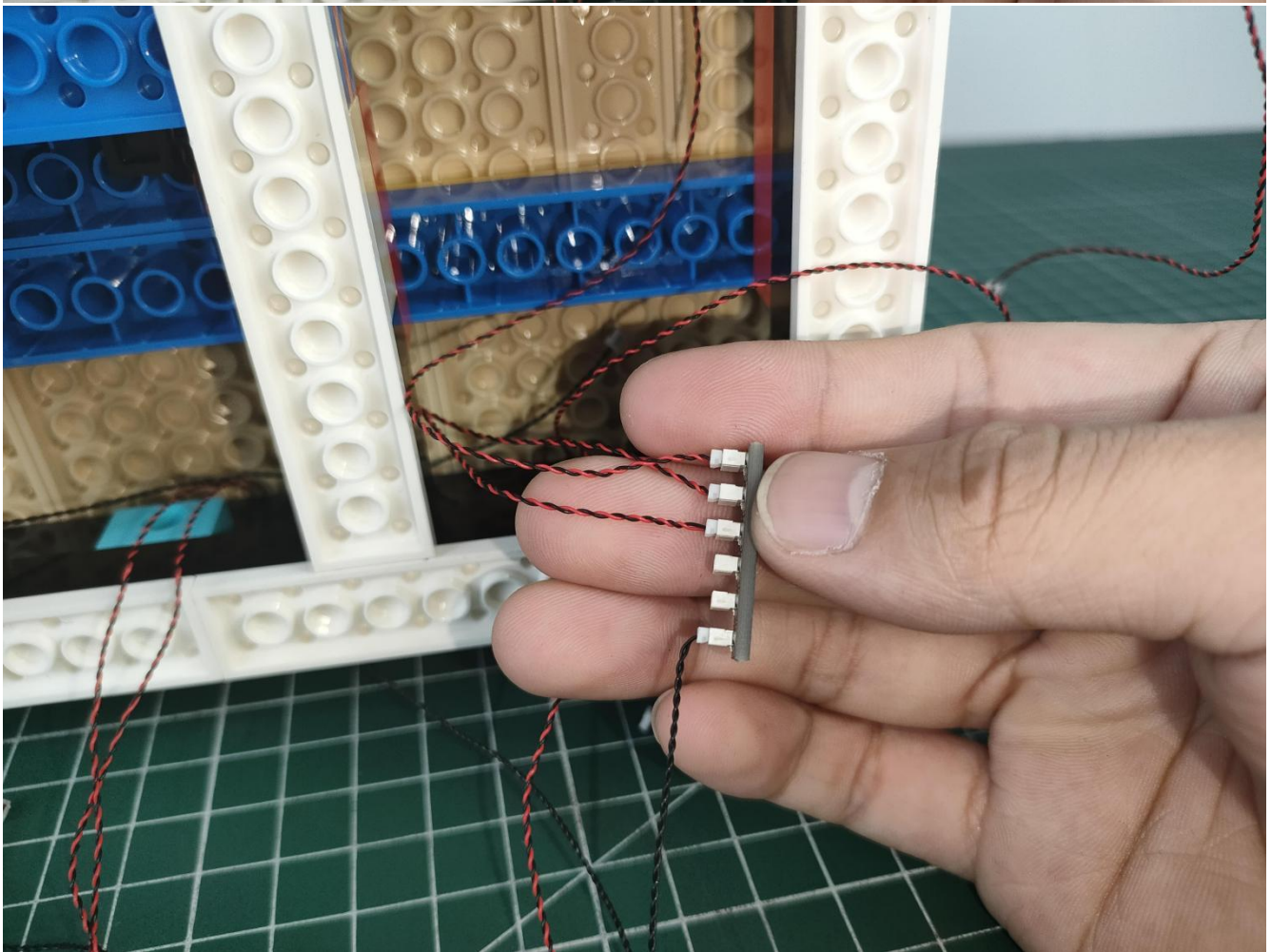
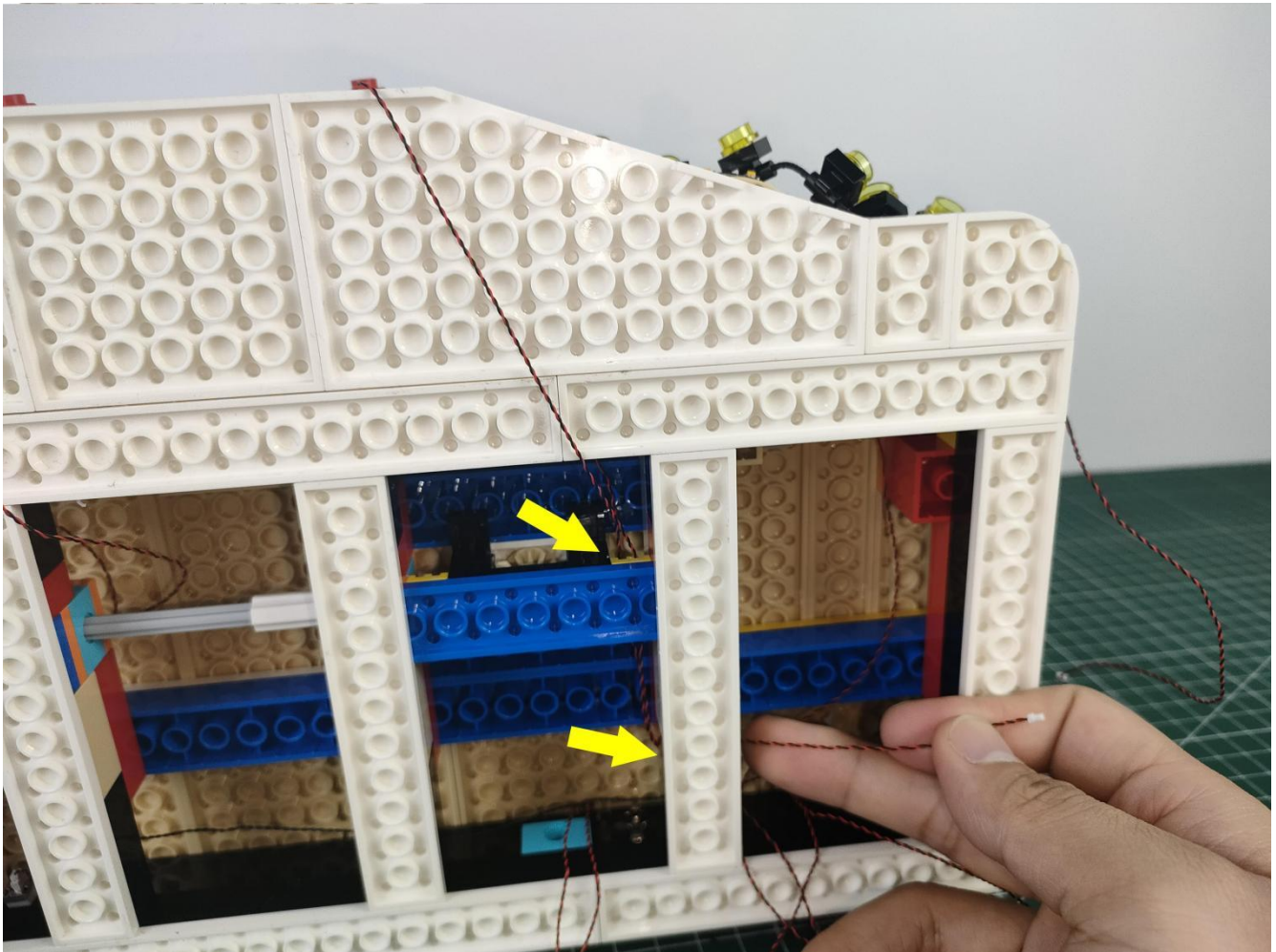




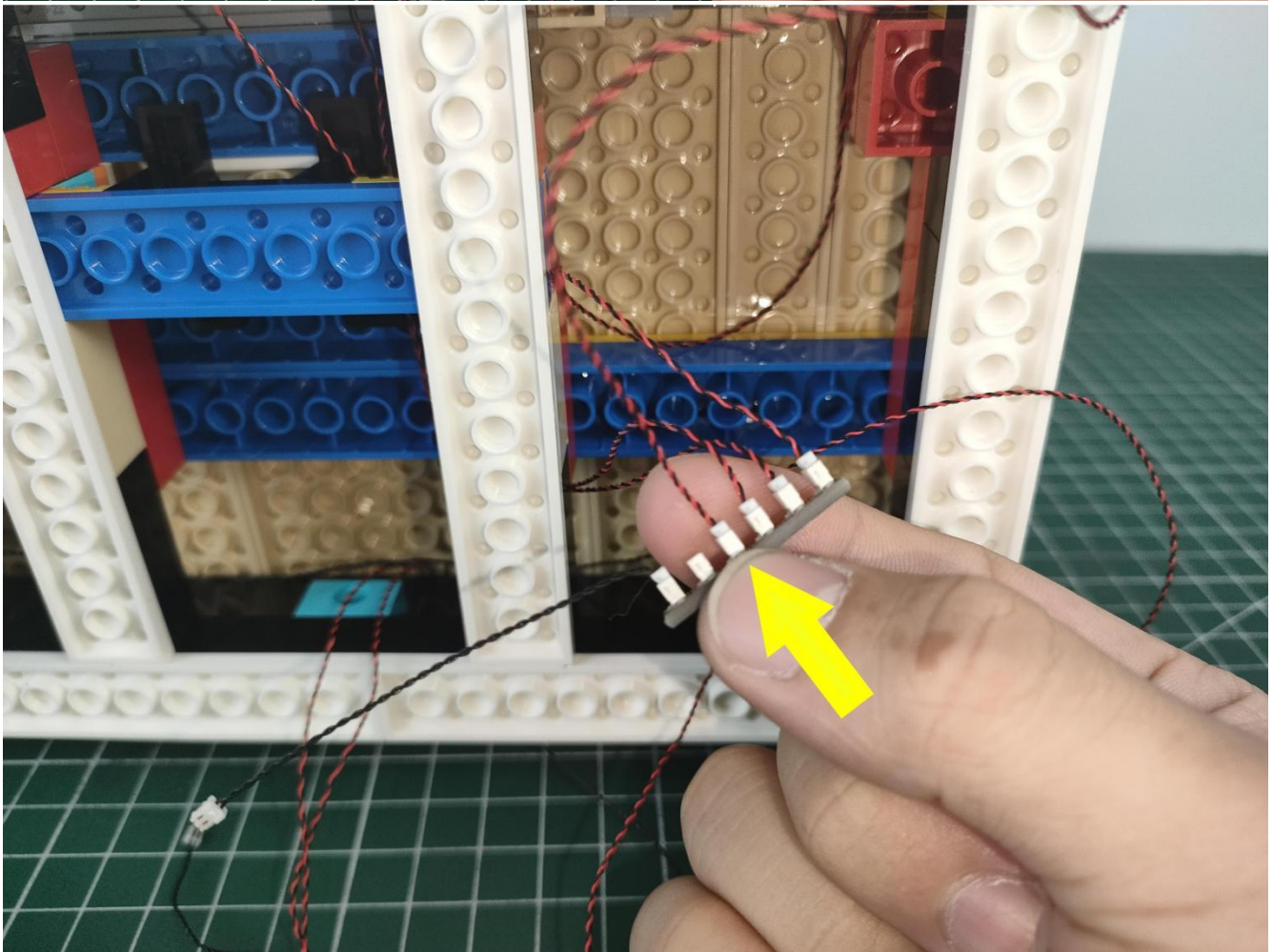
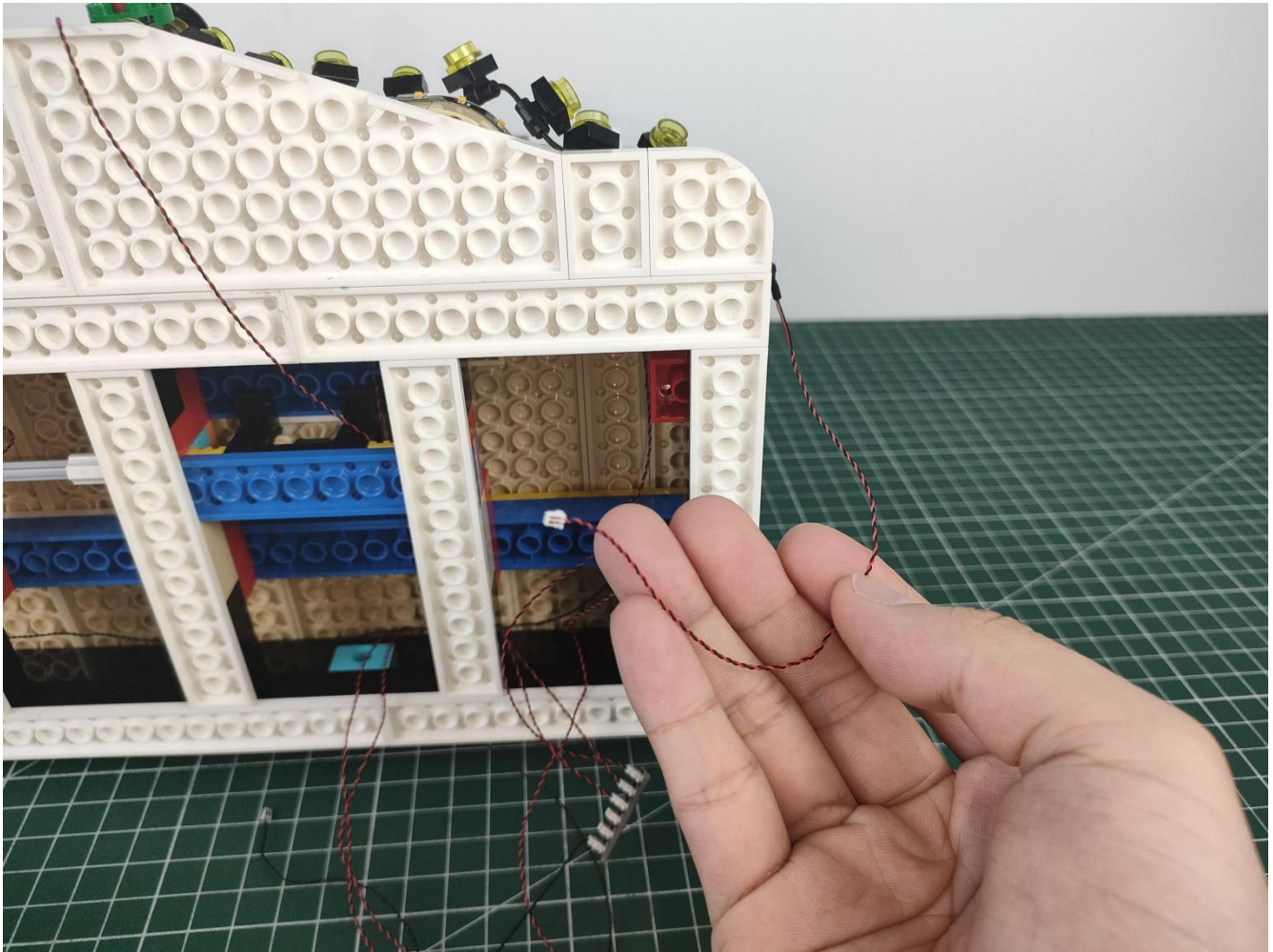




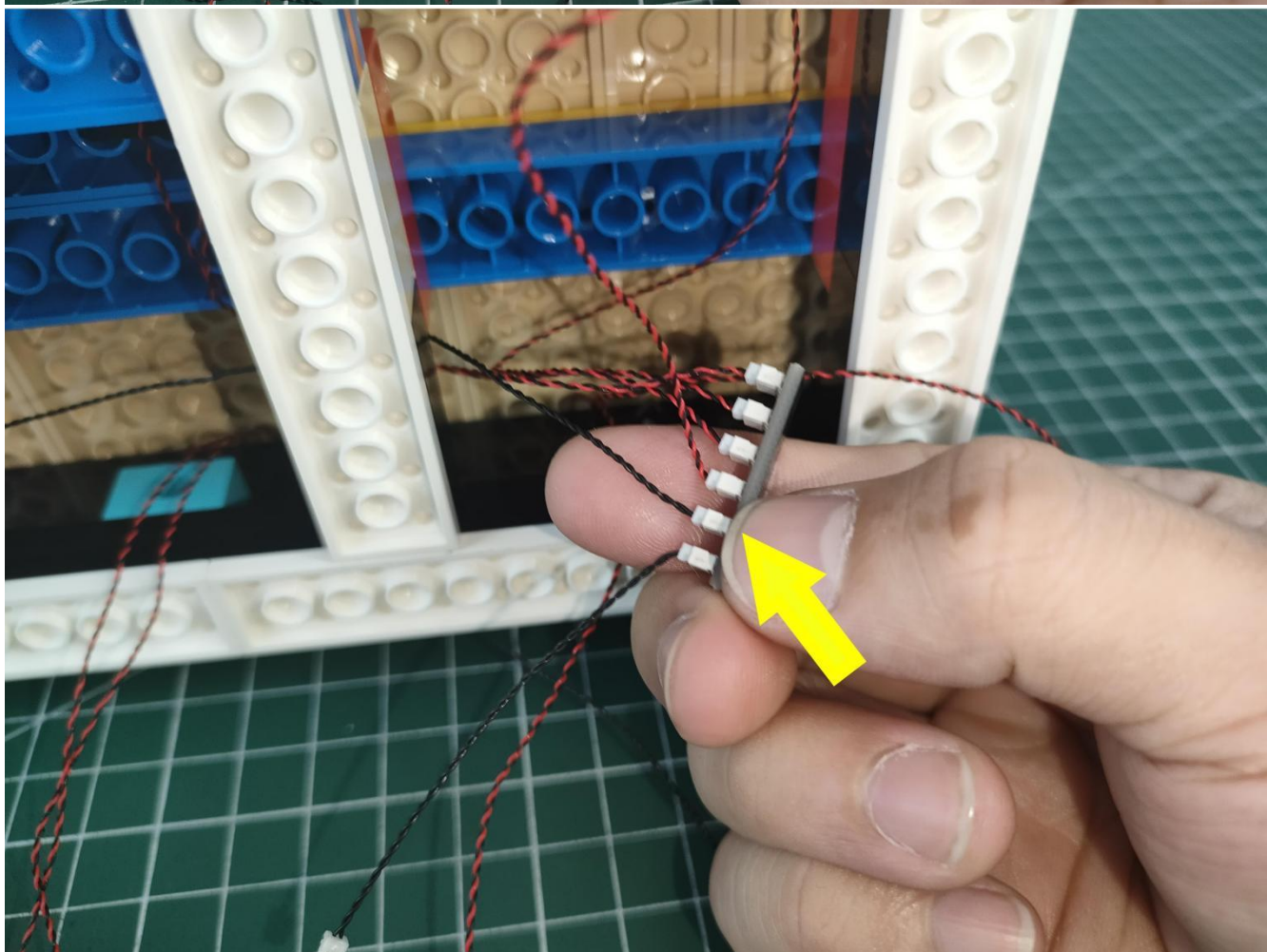
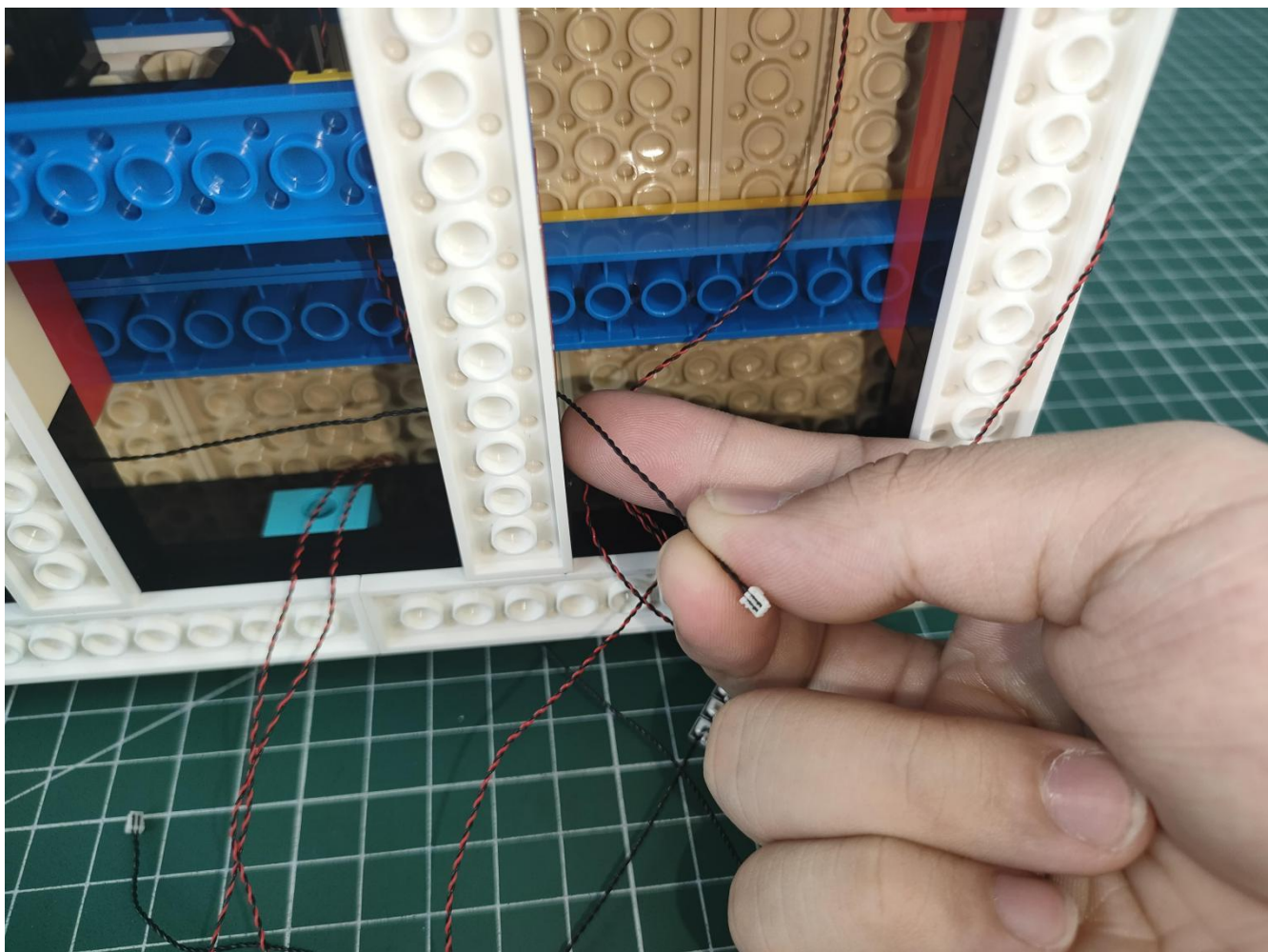




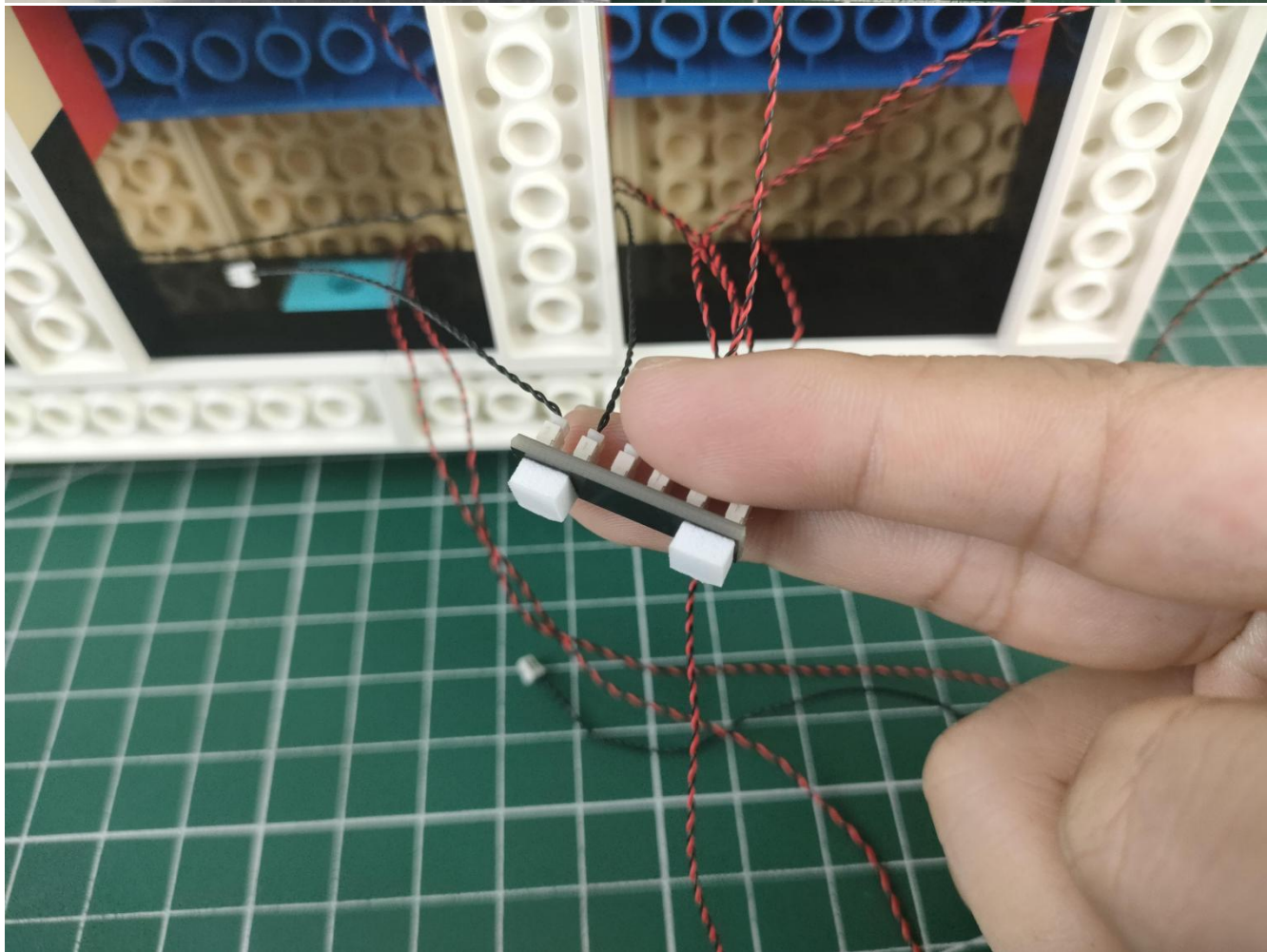




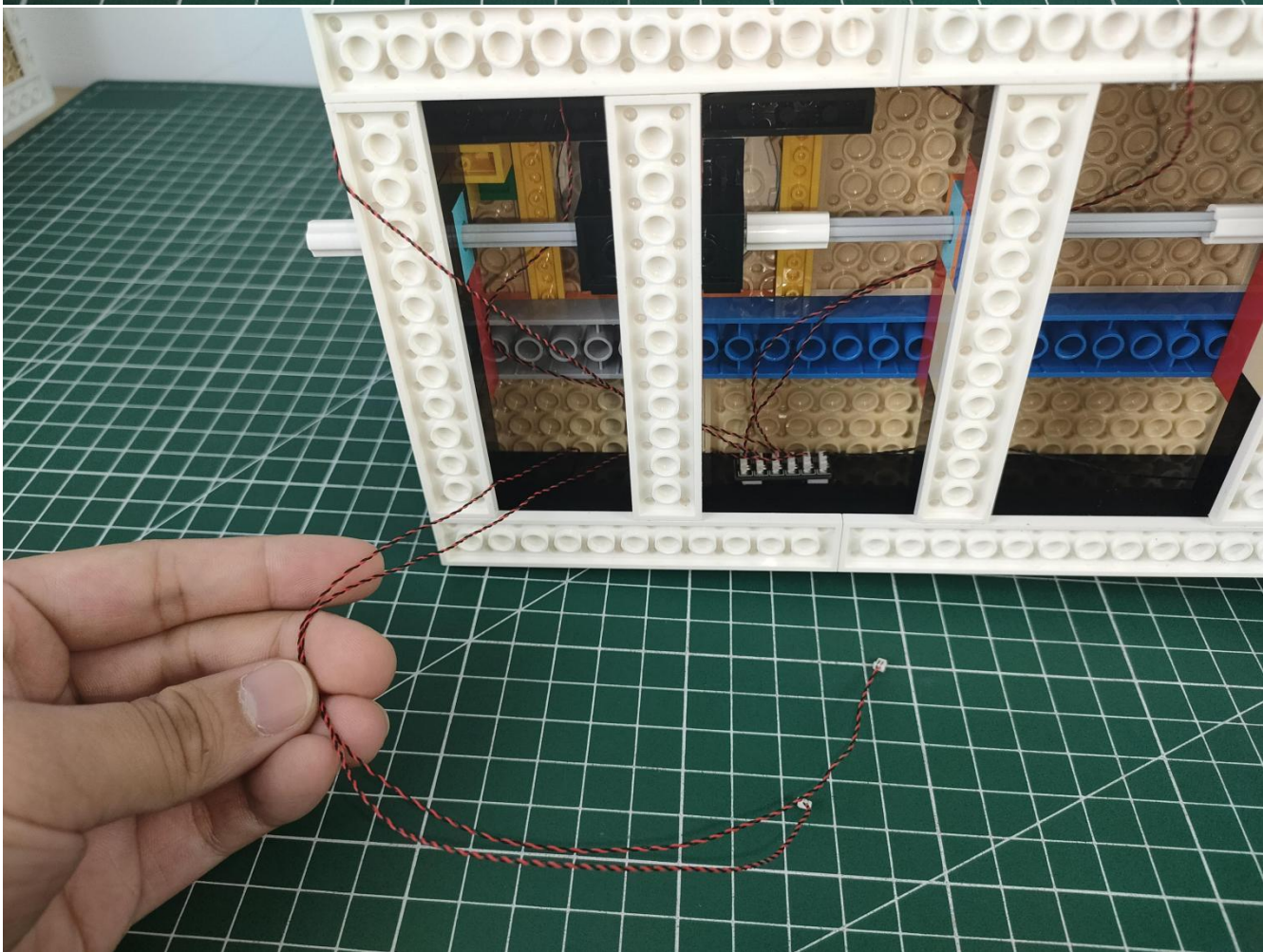
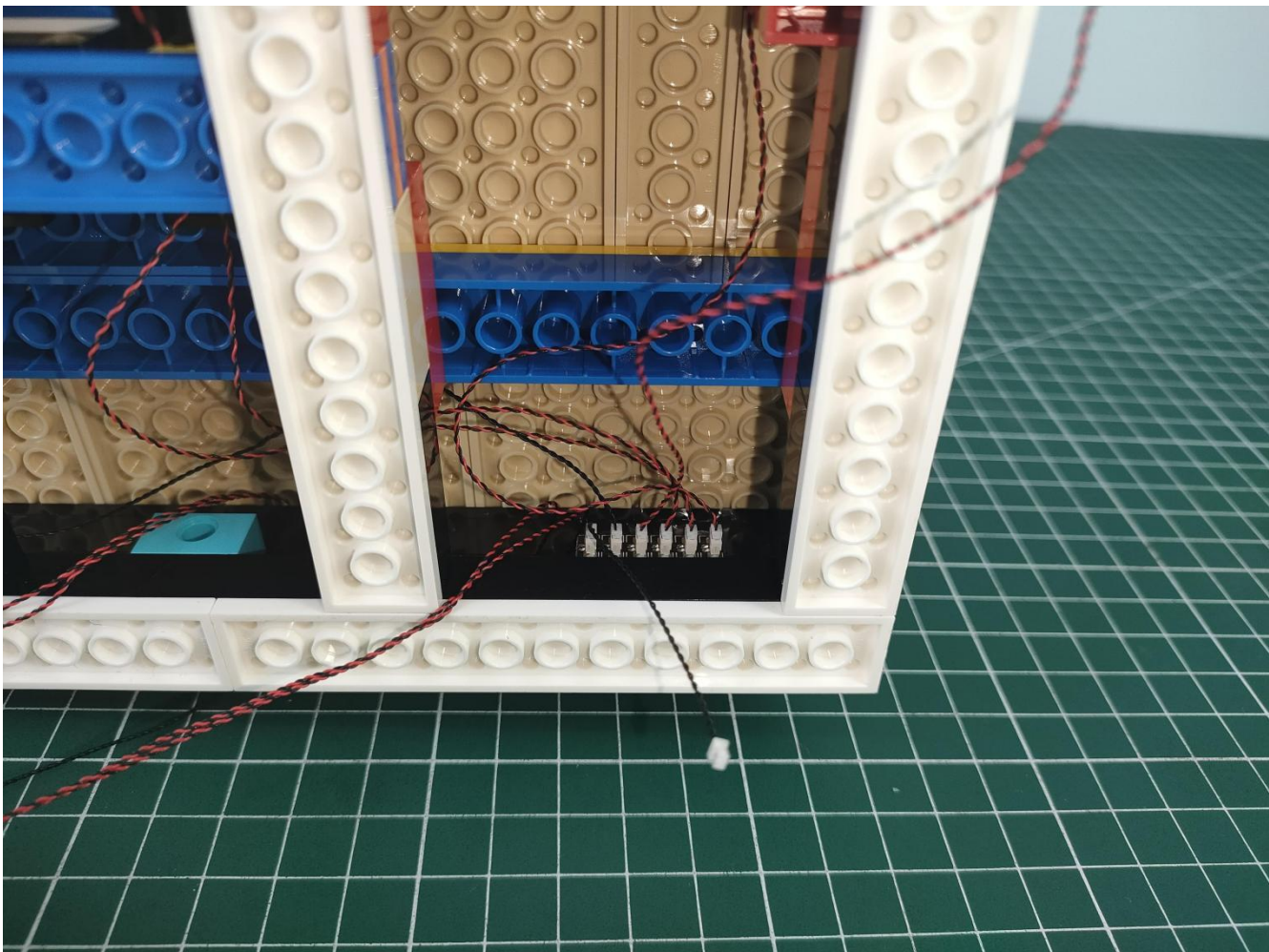




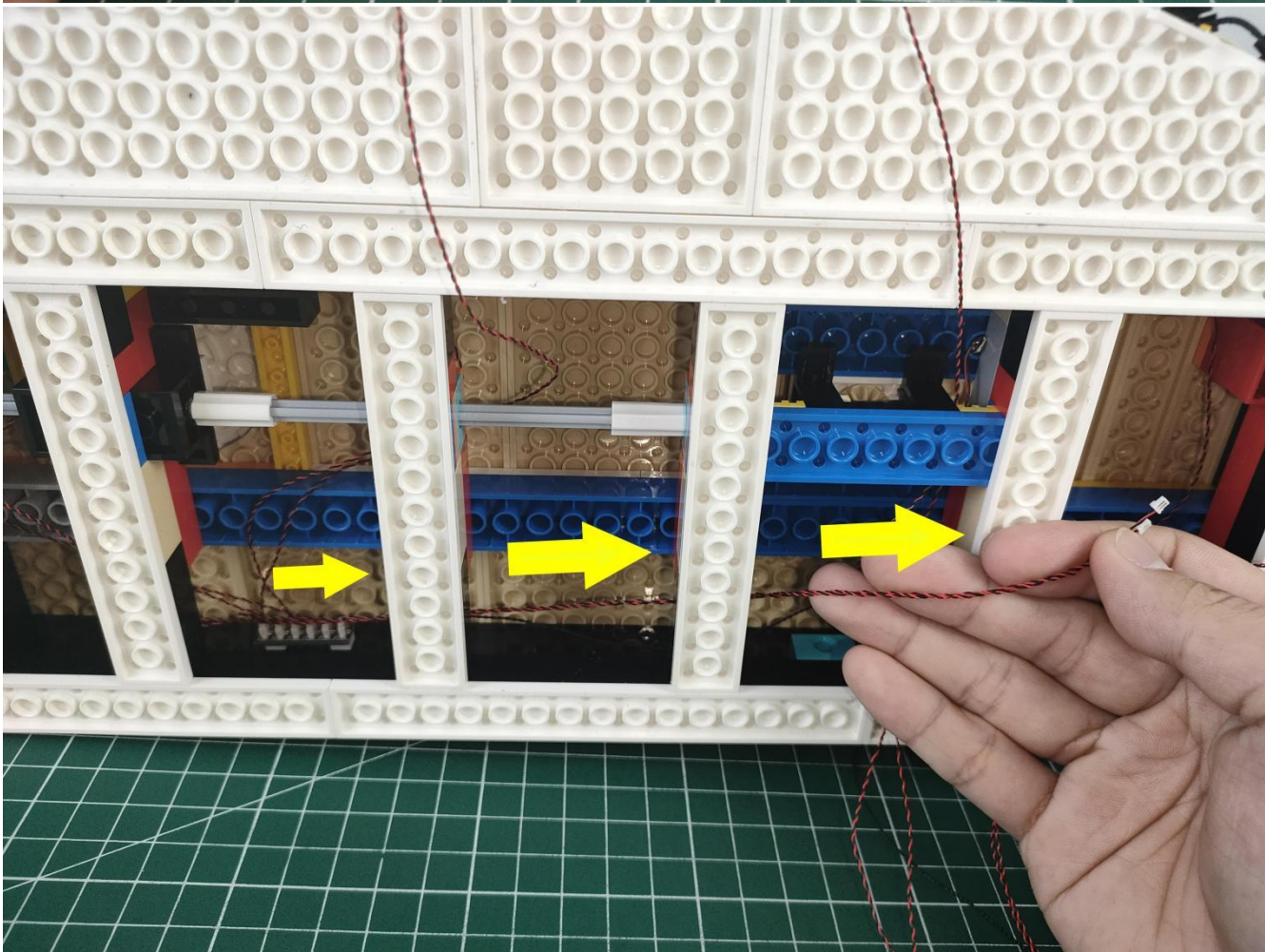
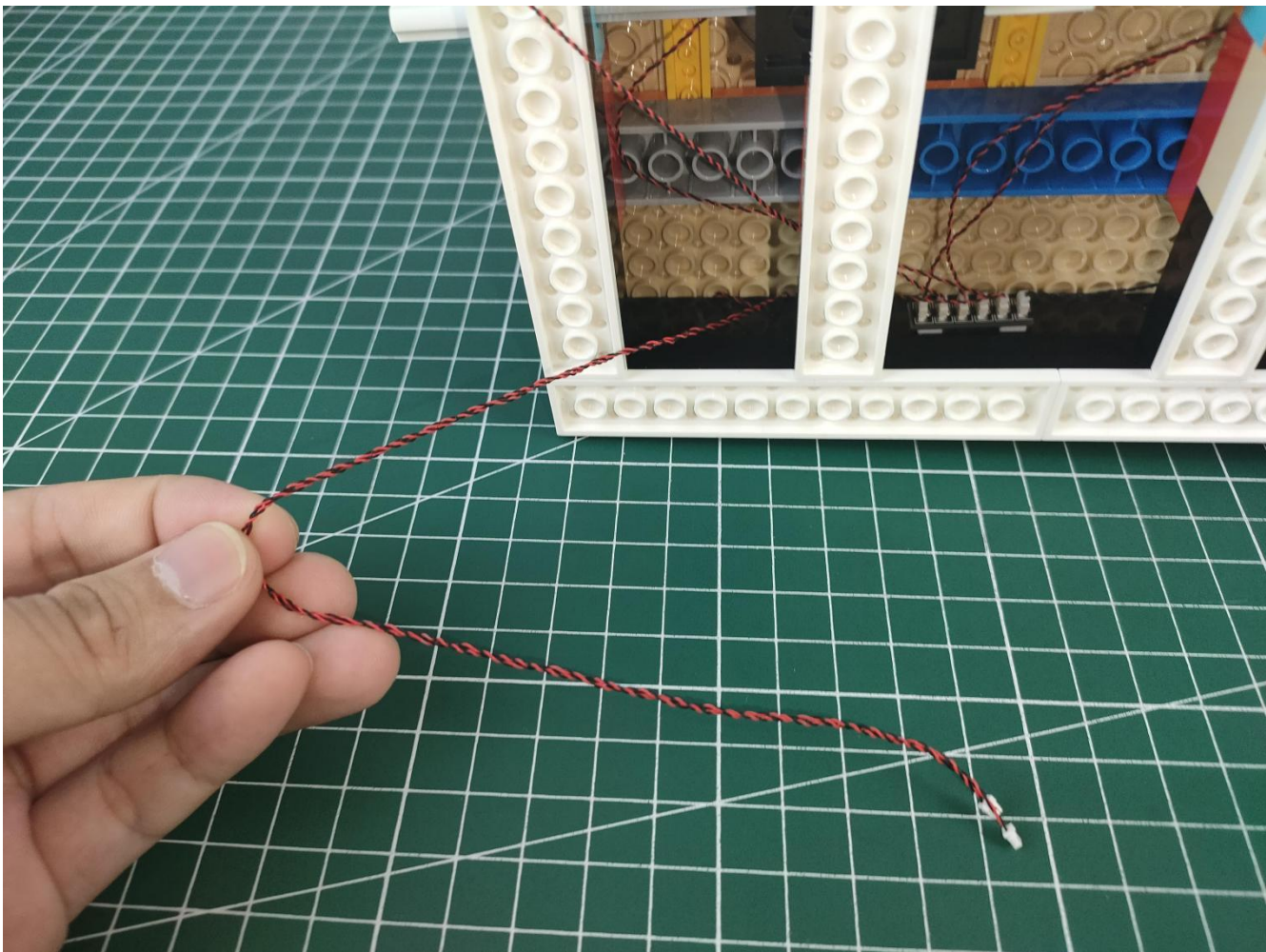










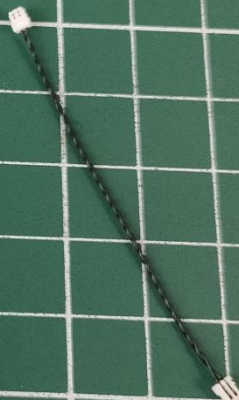




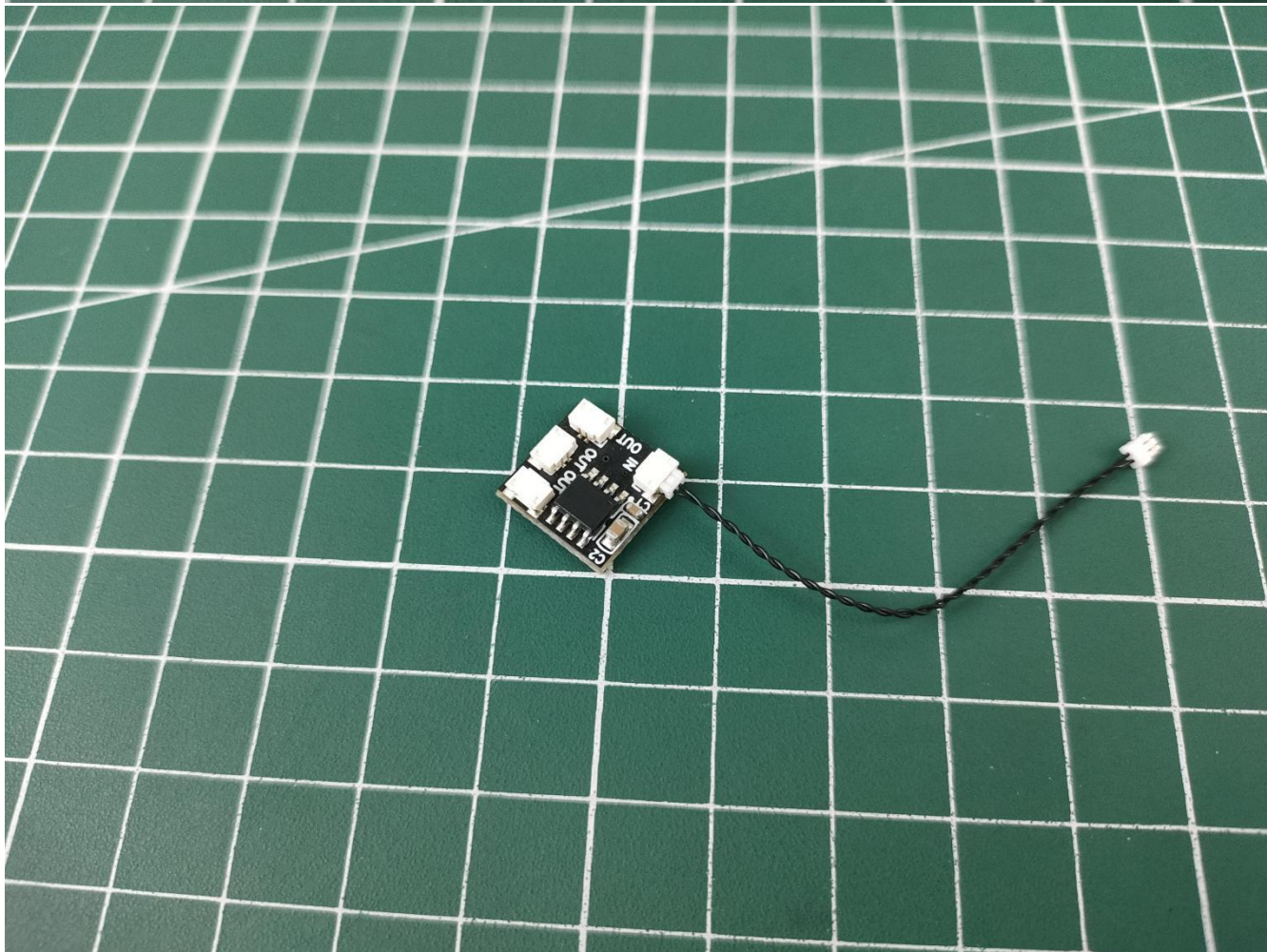
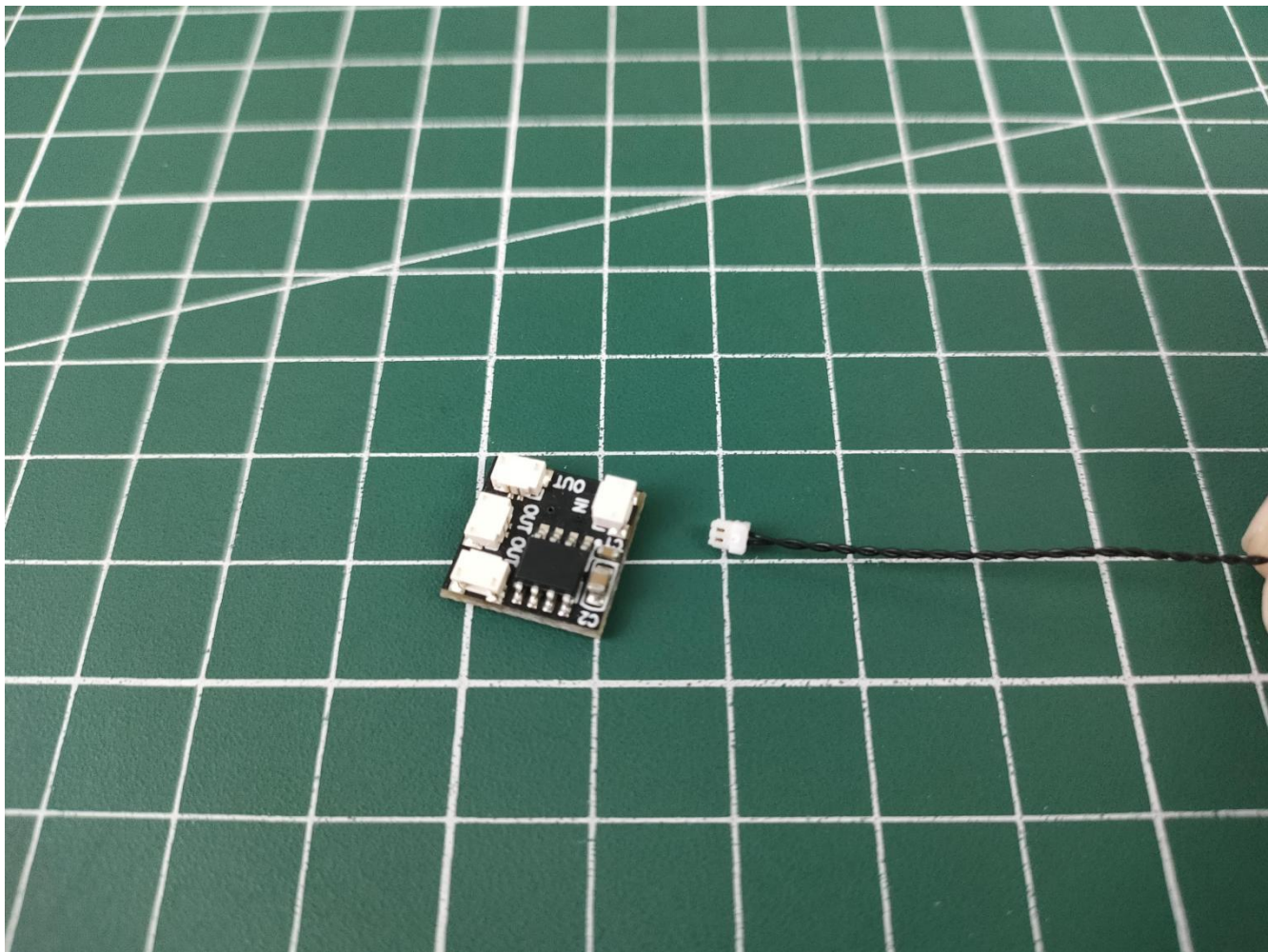
火焰火炬模塊  
Fire Effects Board



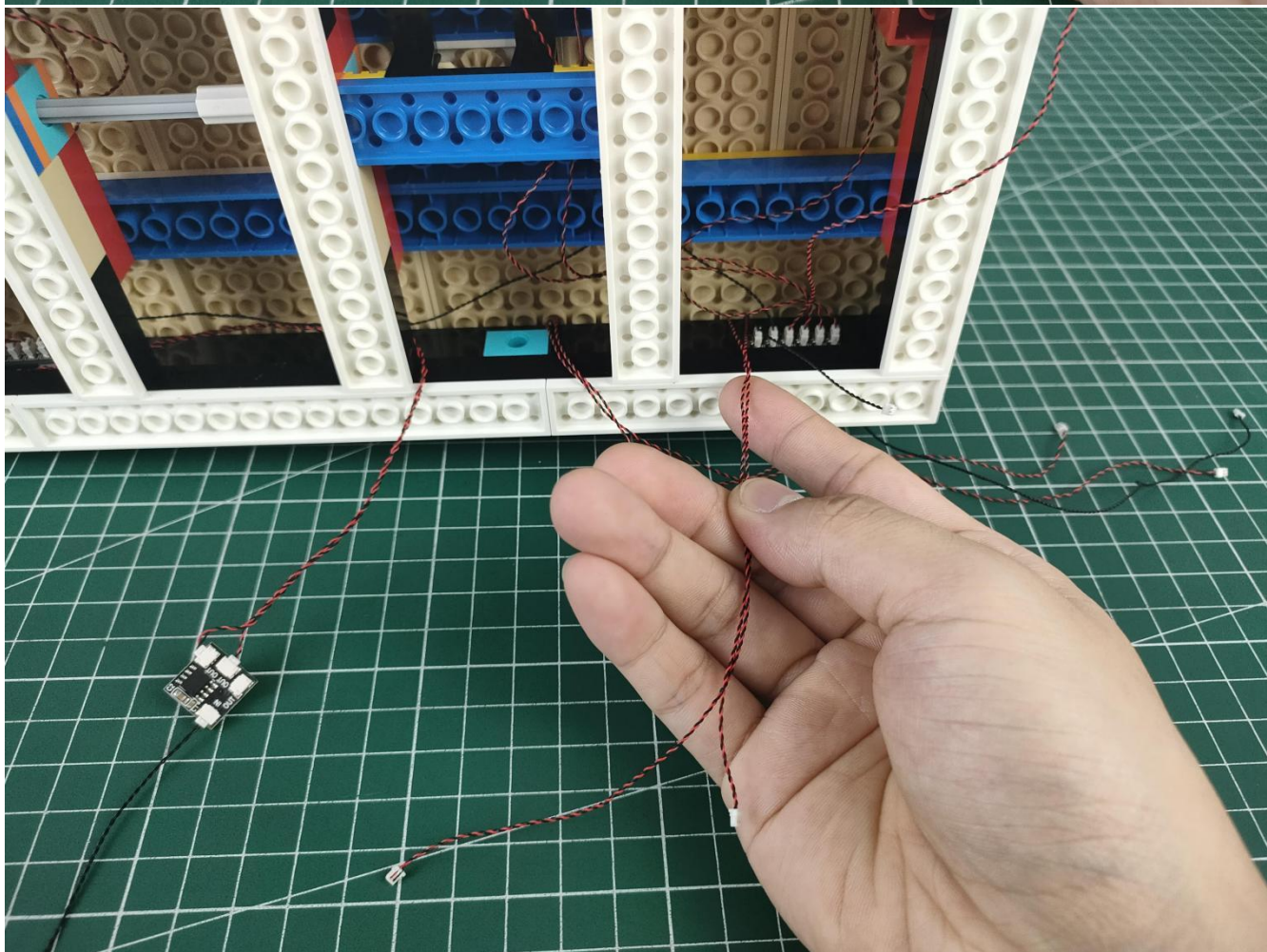
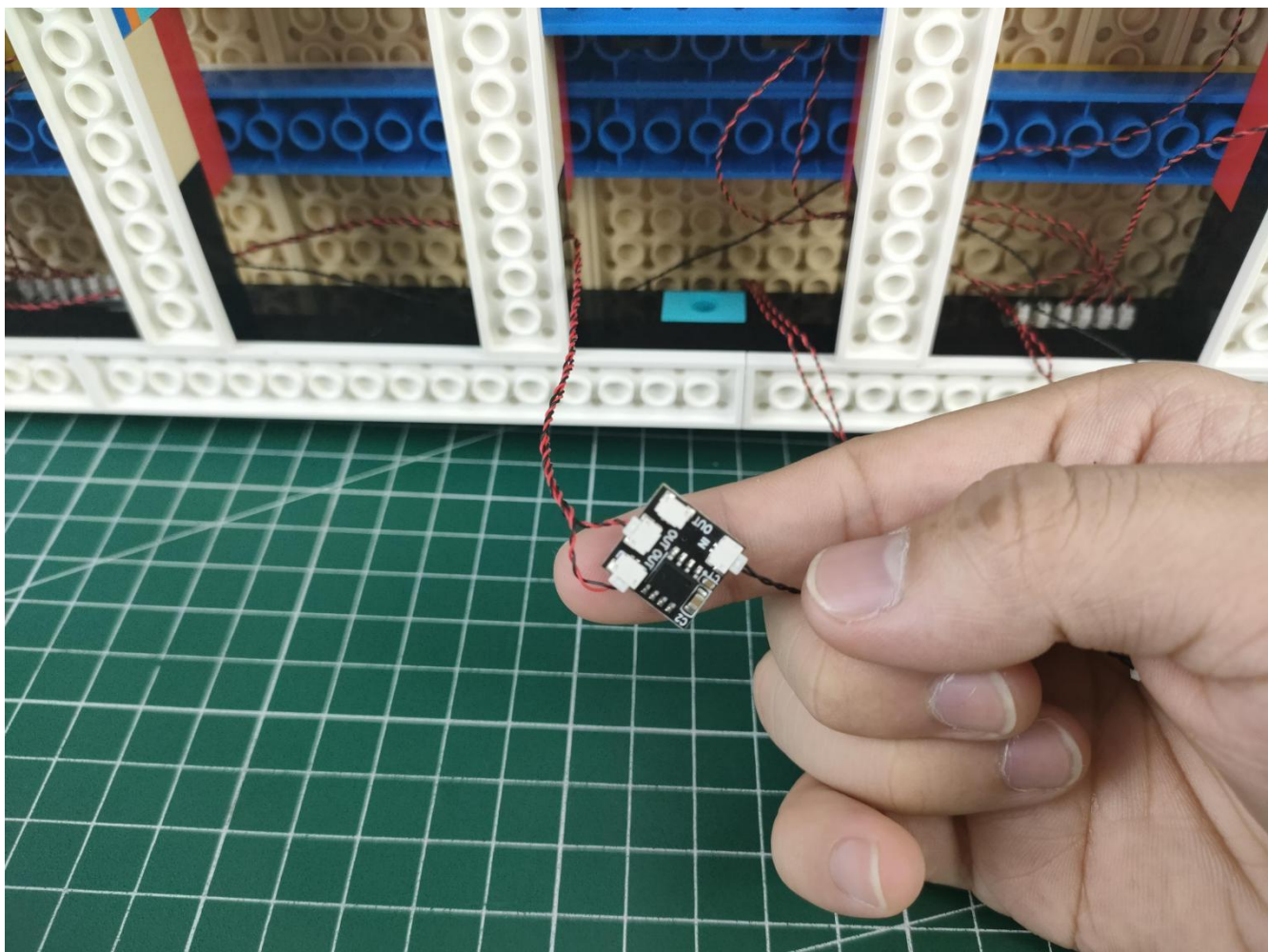
連接線 5CM  
Connecting Cables  
5CM



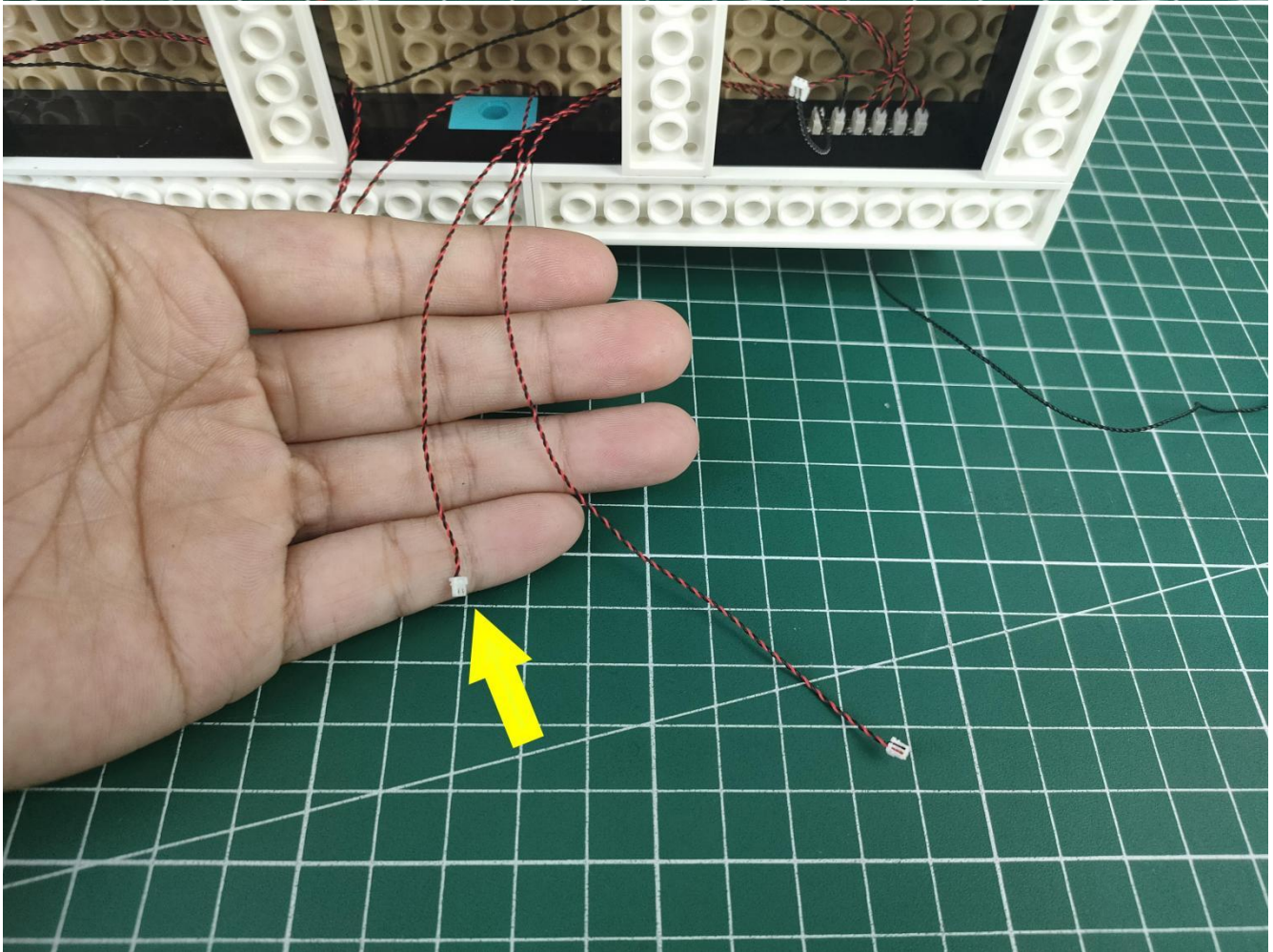
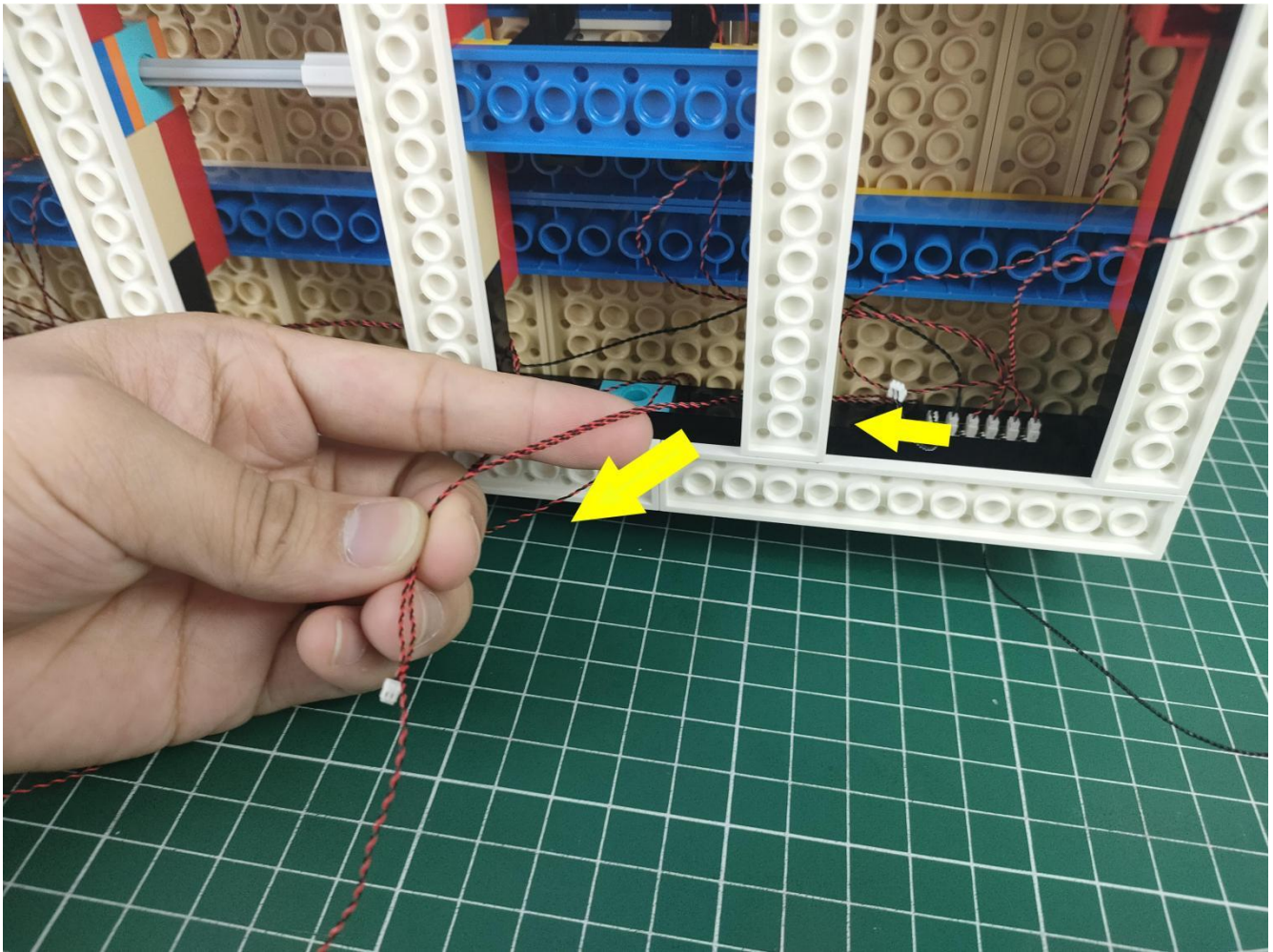




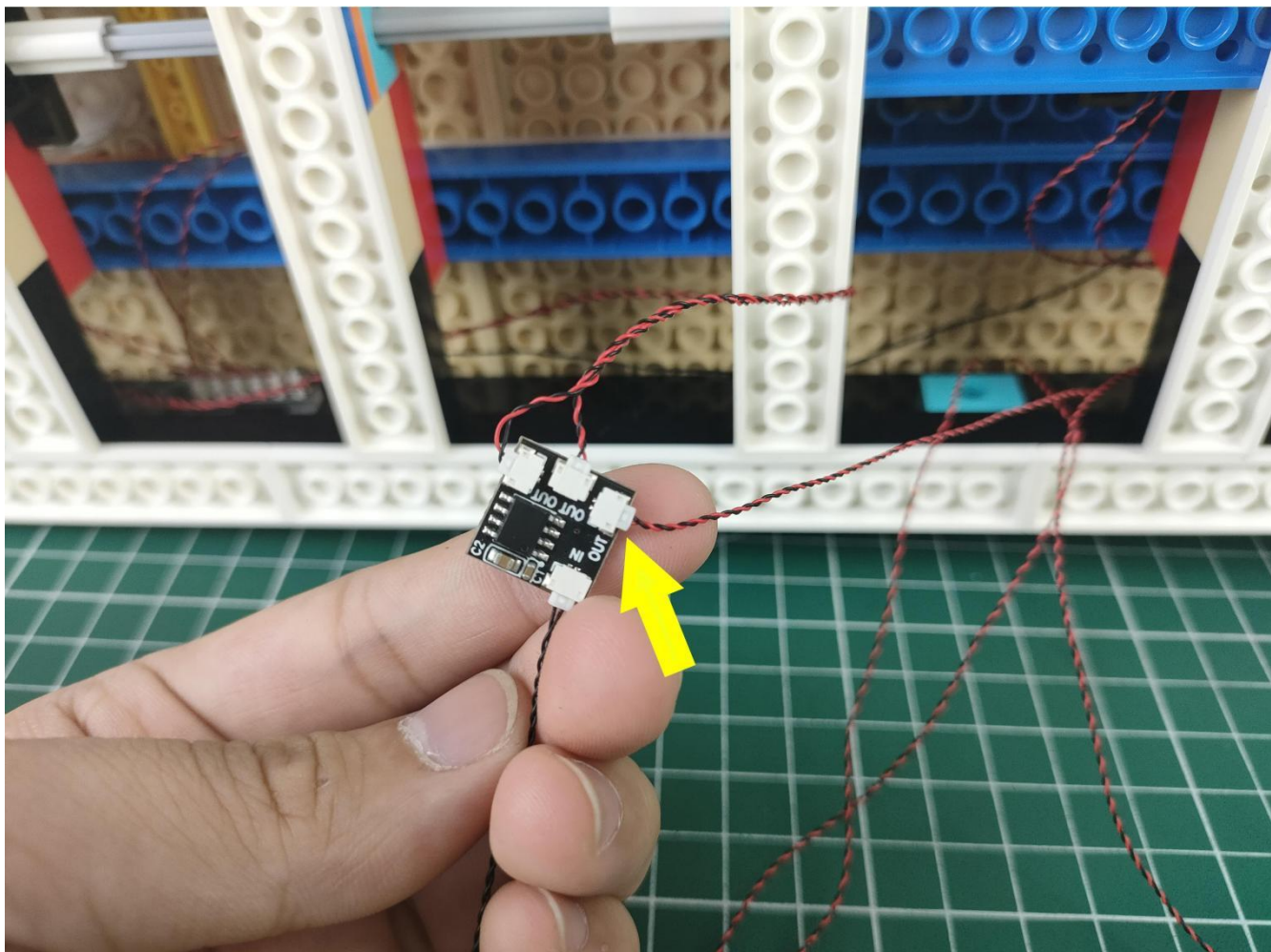




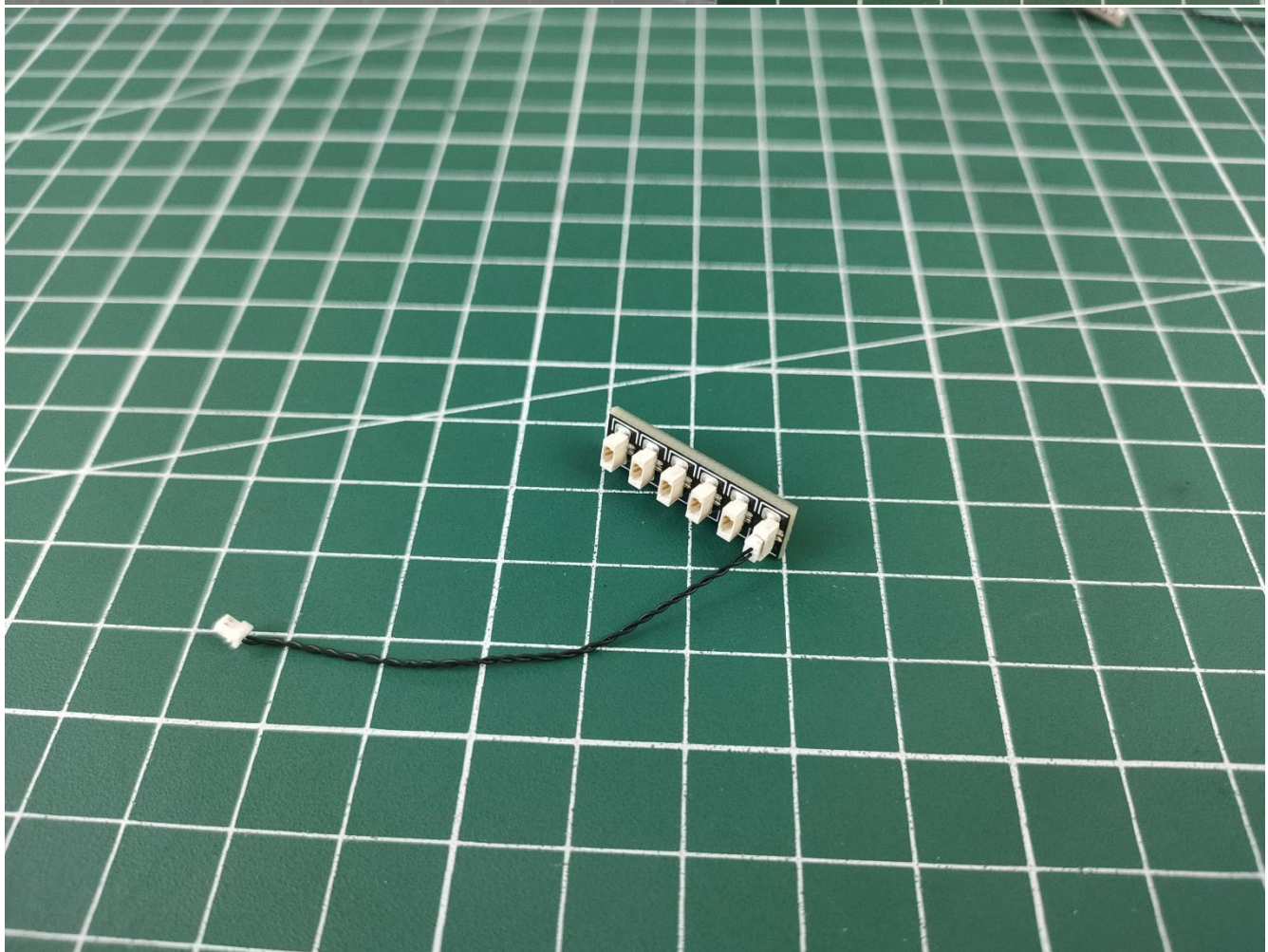




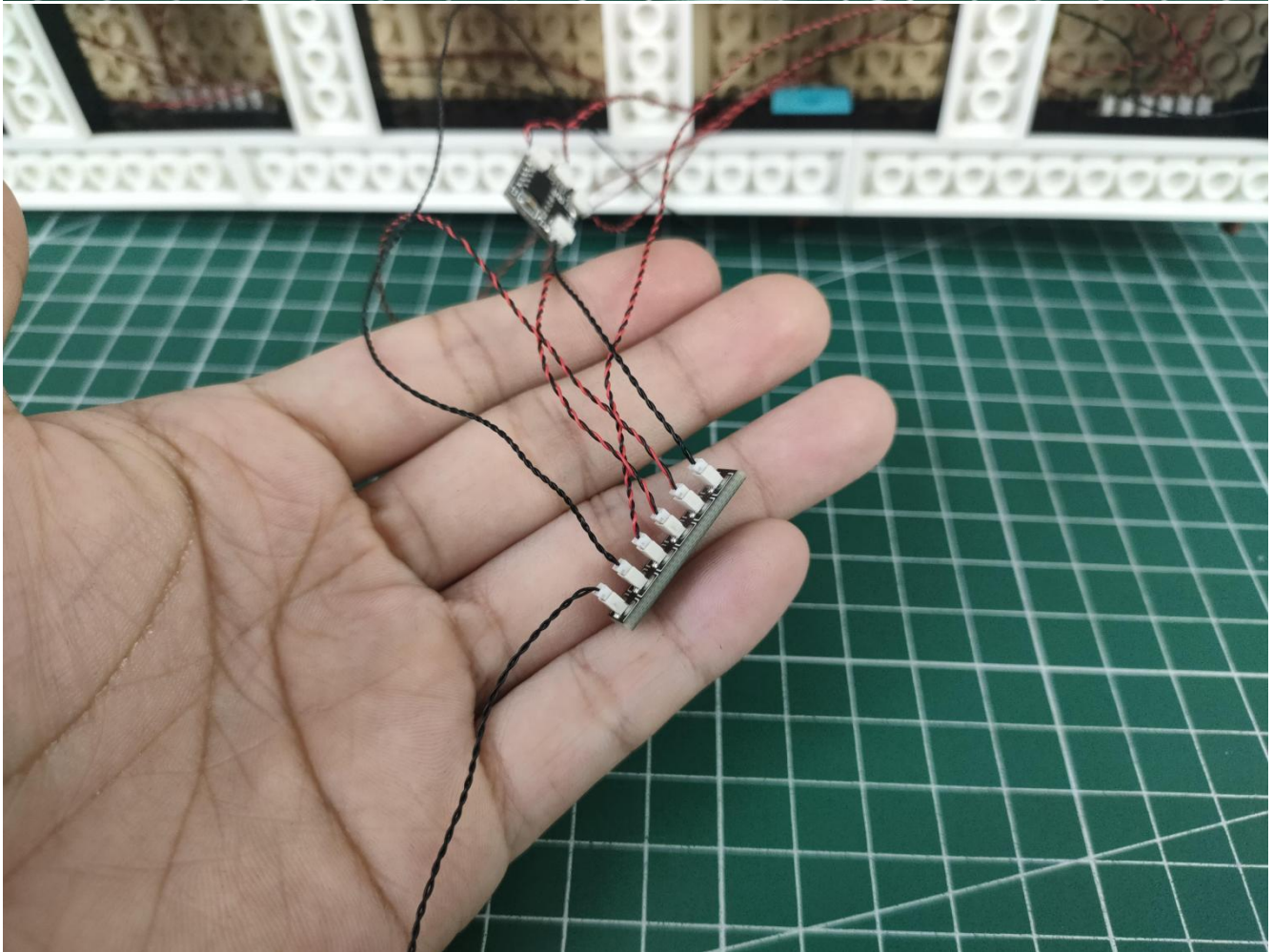




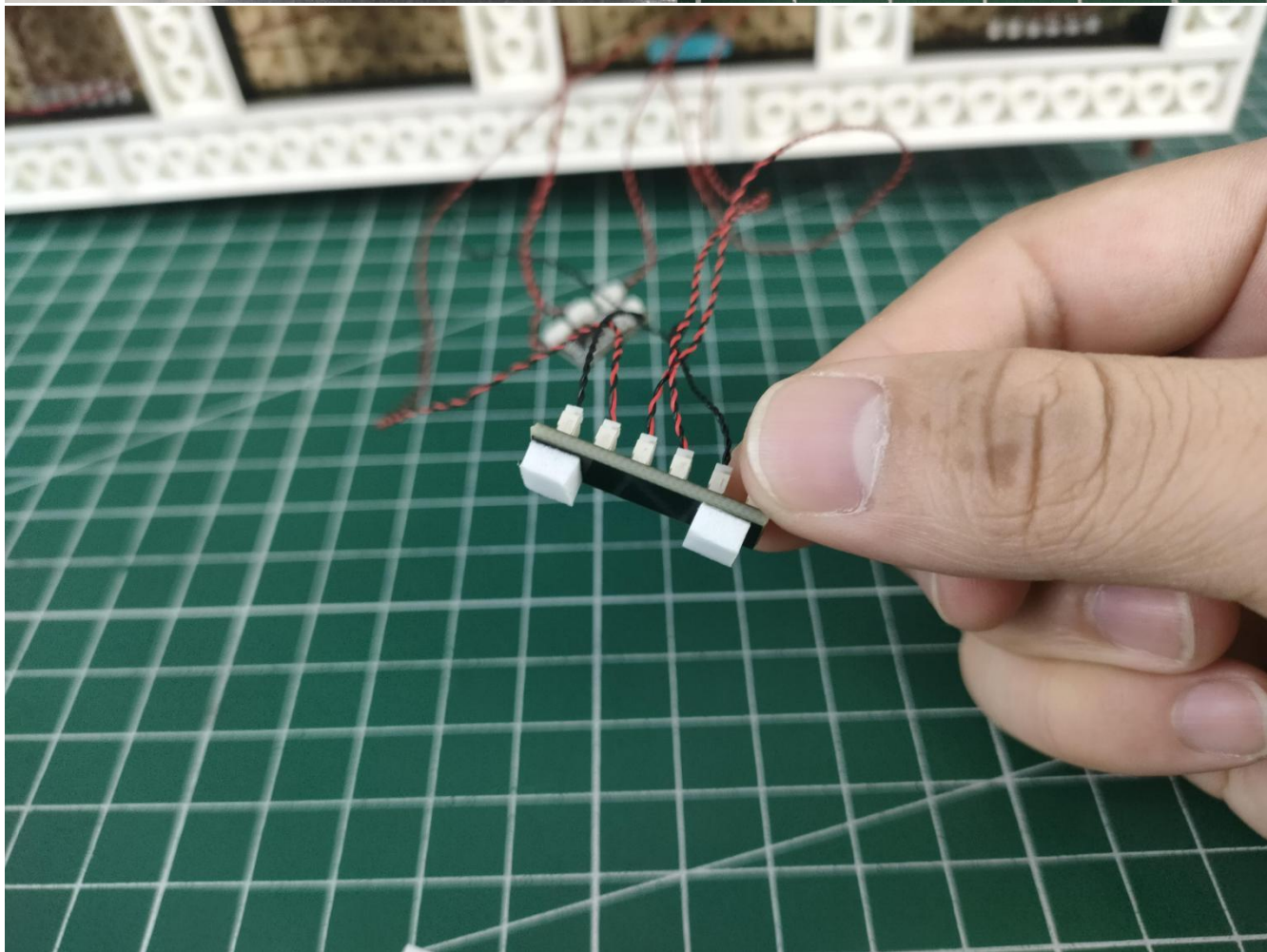




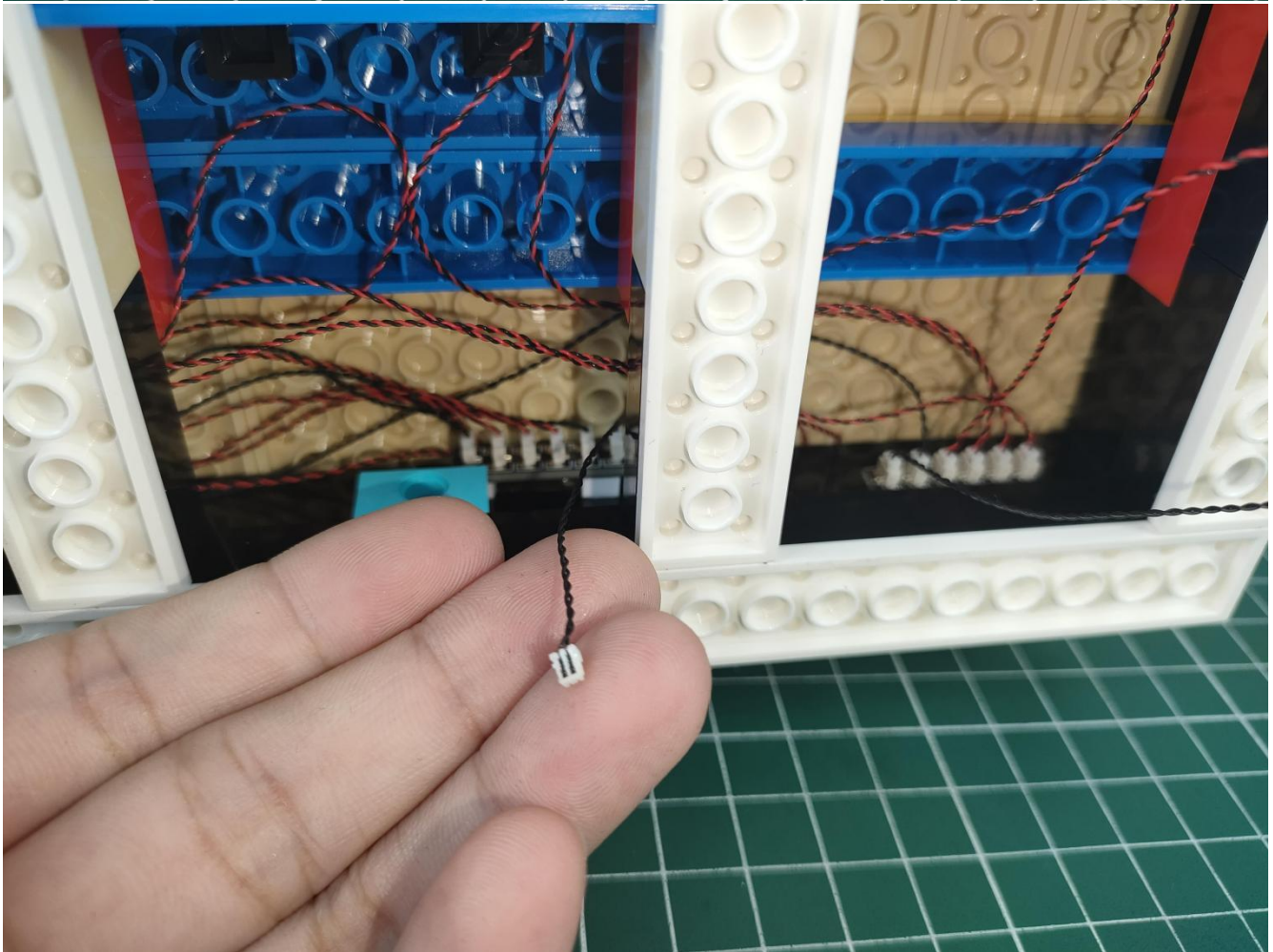
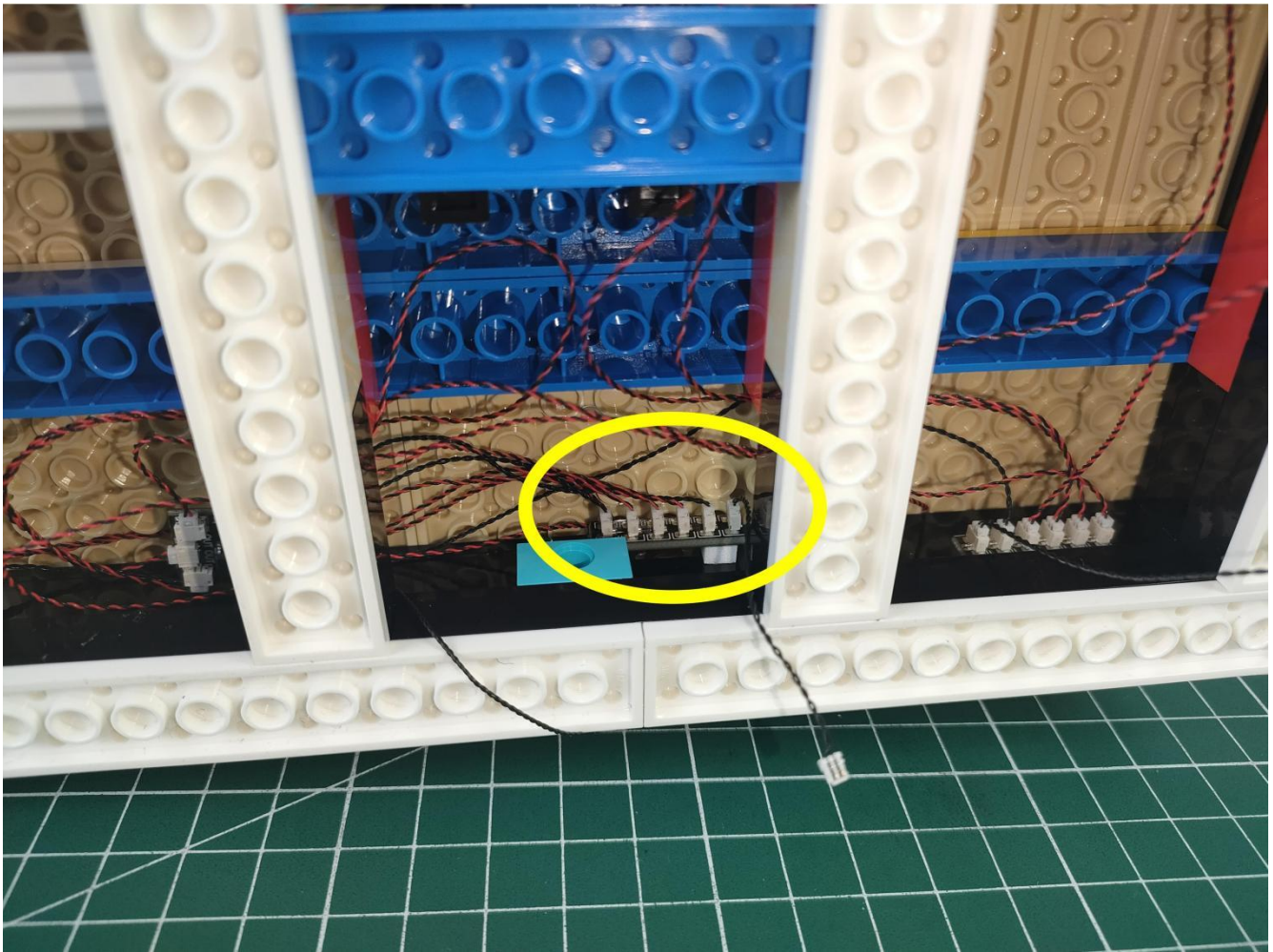




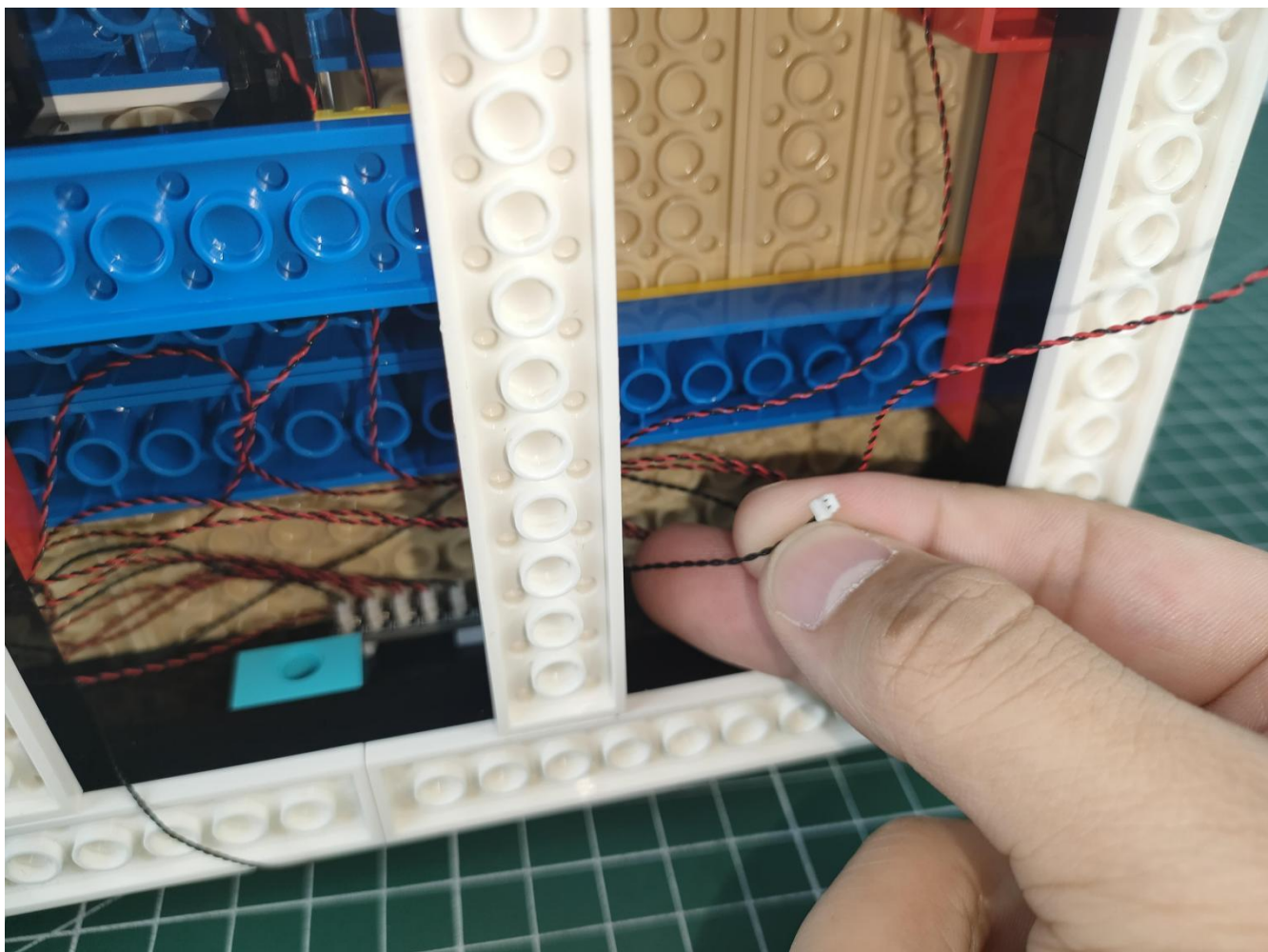




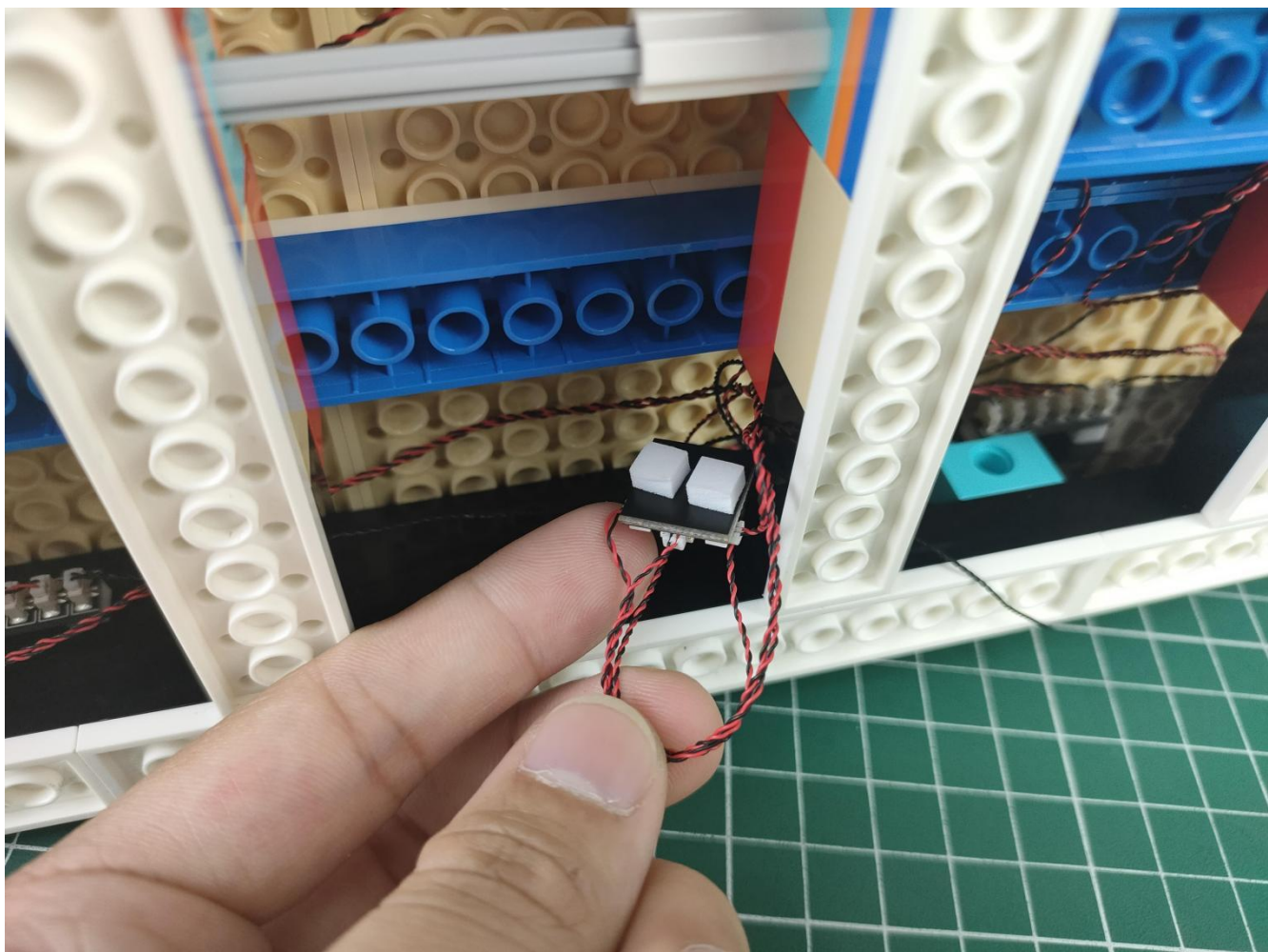




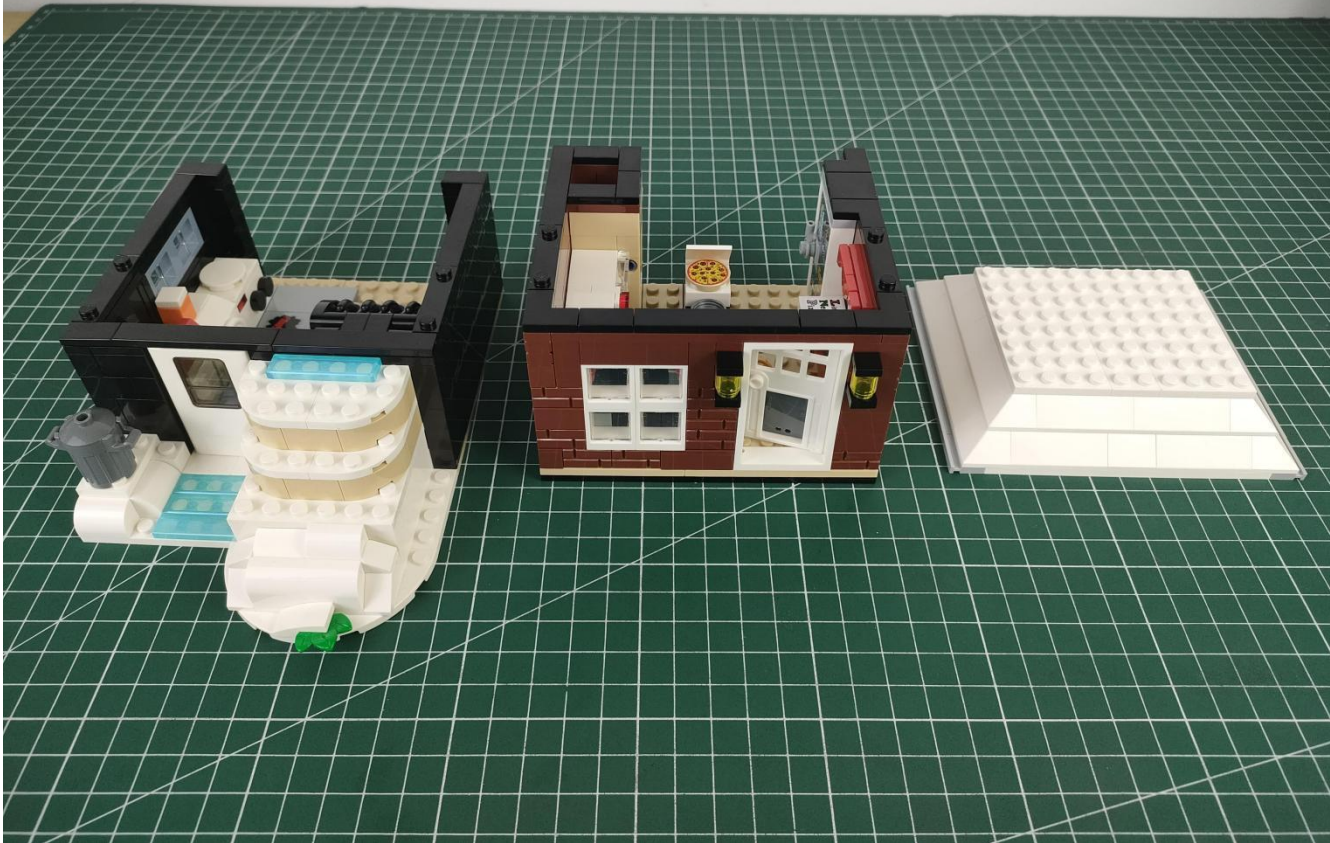








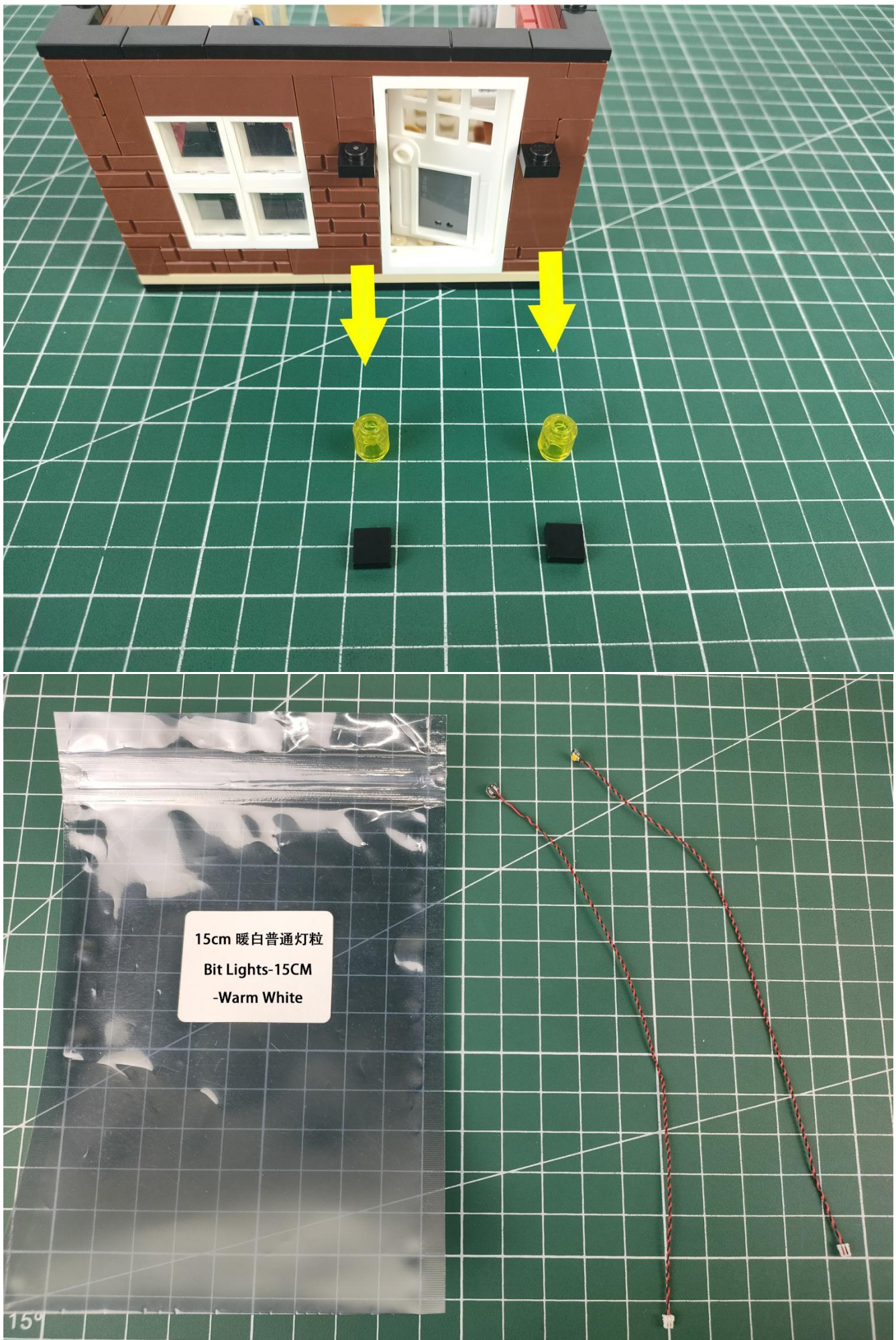






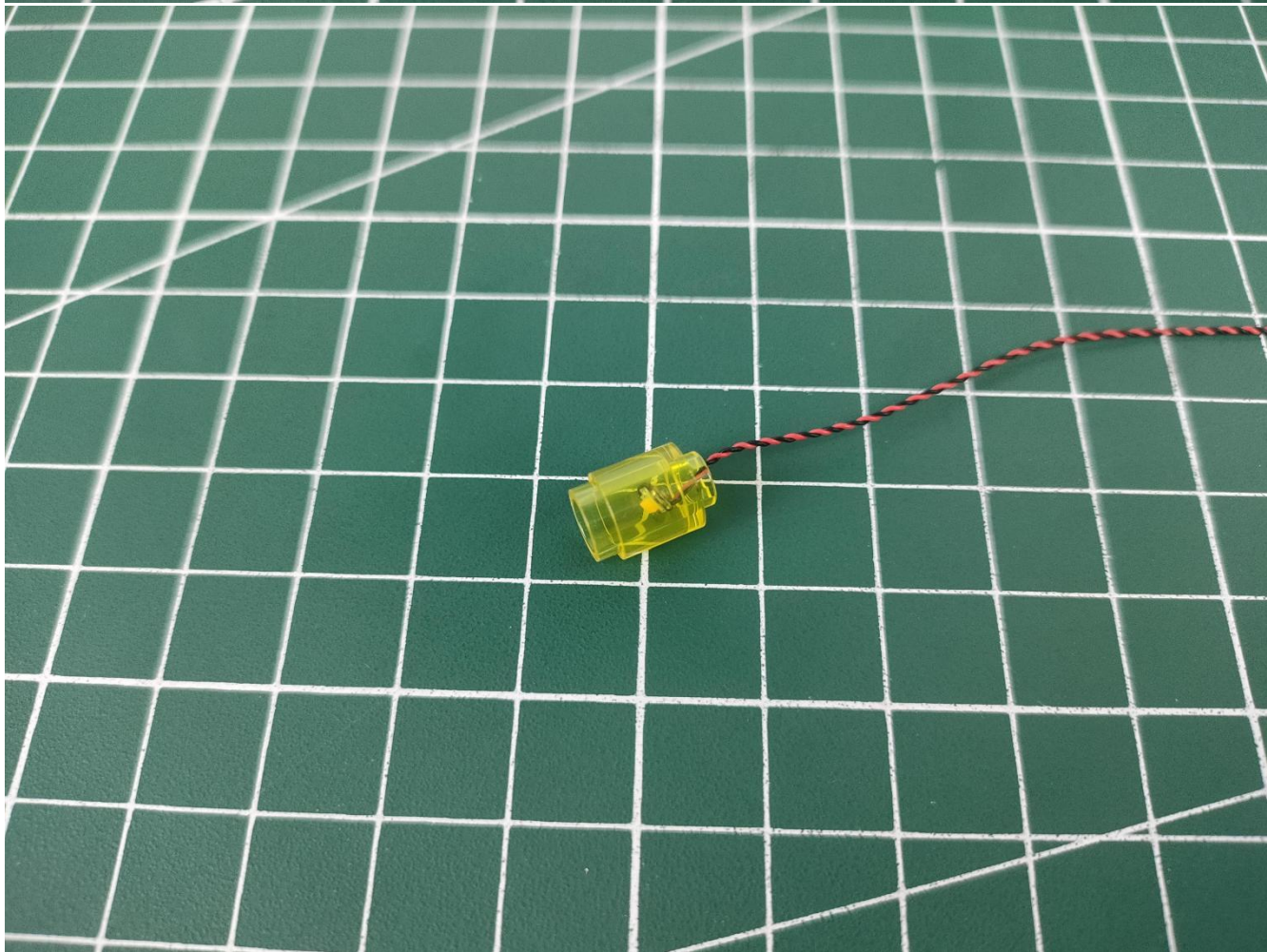
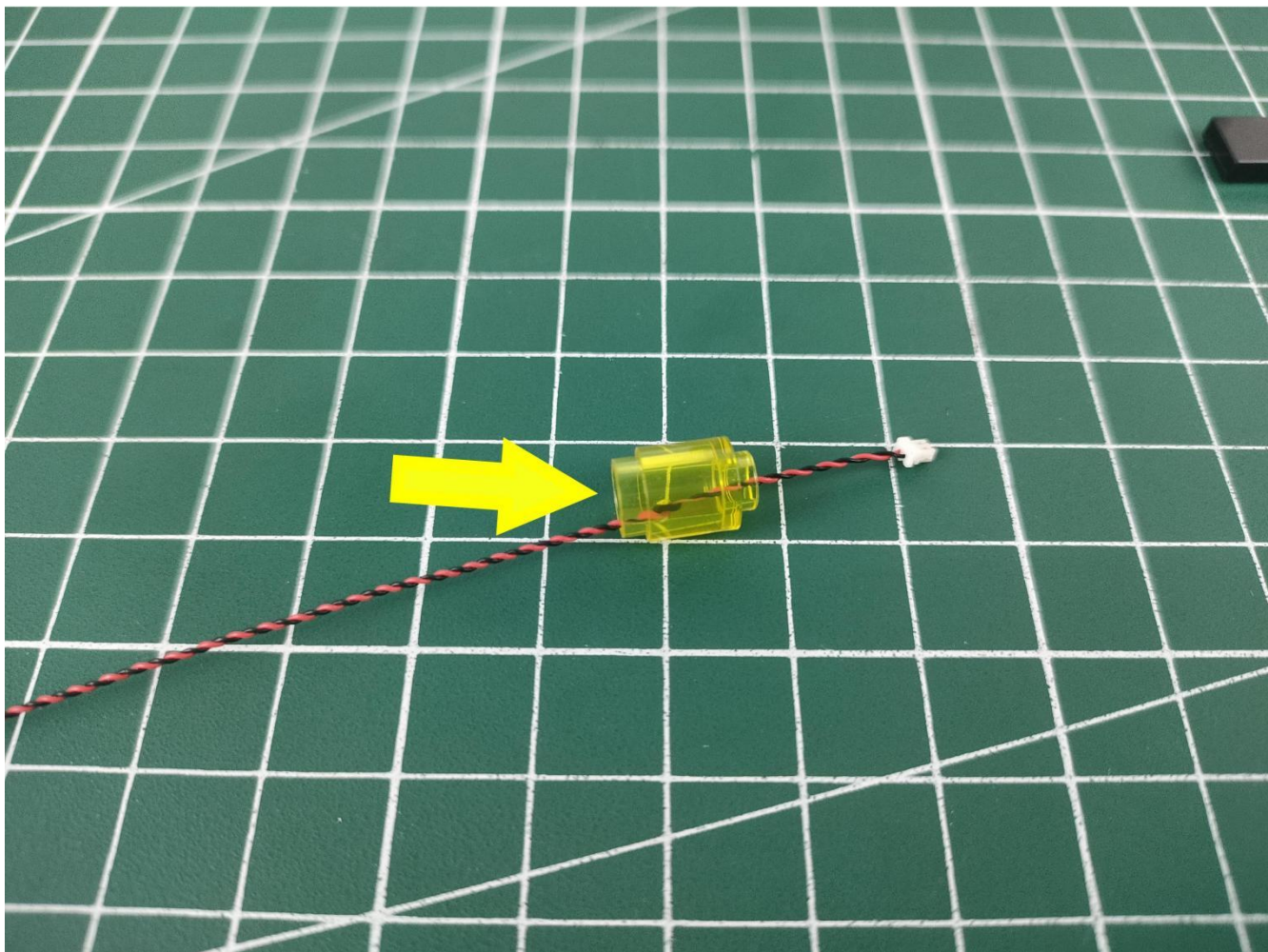




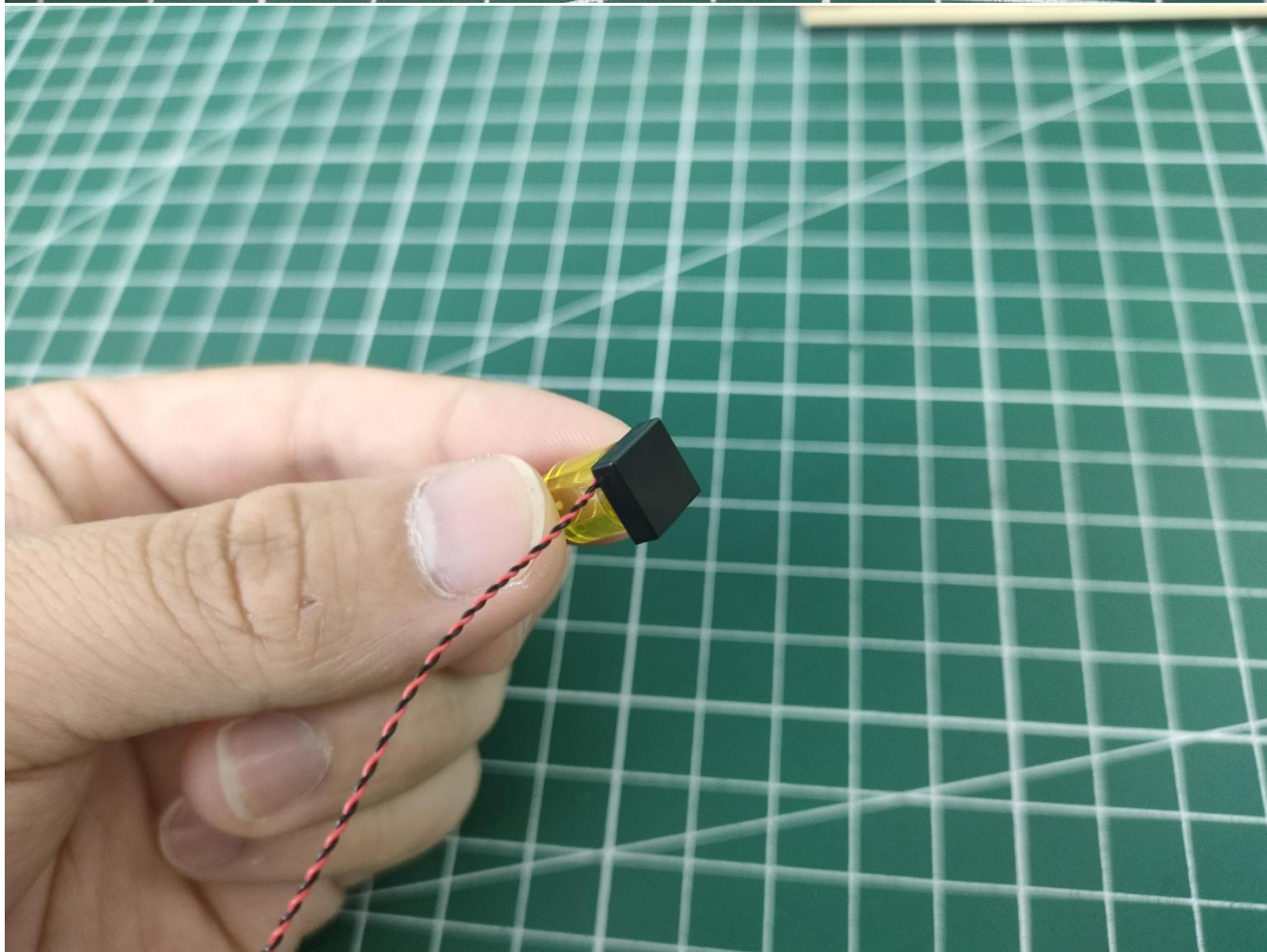
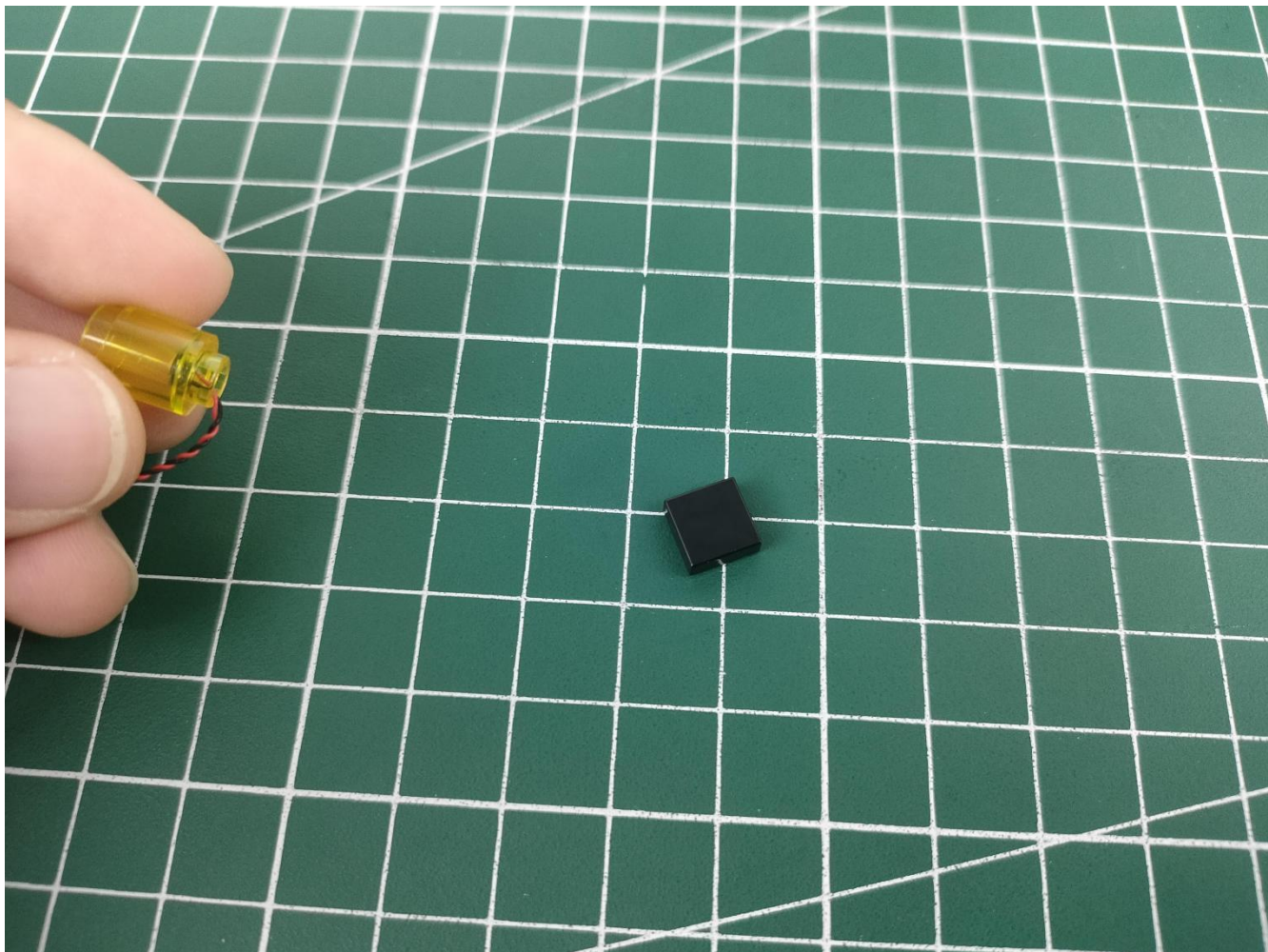


15cm 暖白普通灯粒  
Bit Lights-15CM  
-Warm White

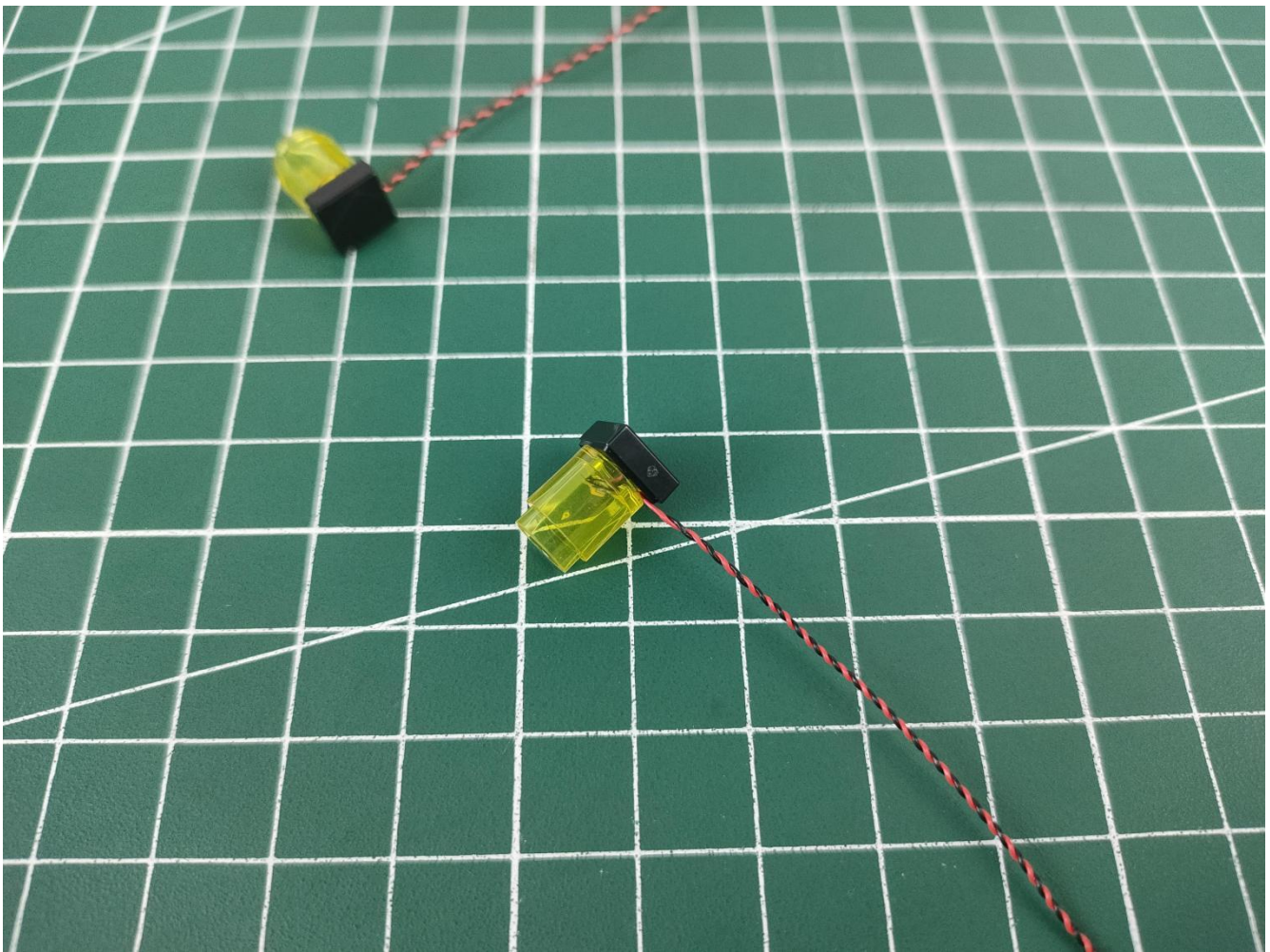




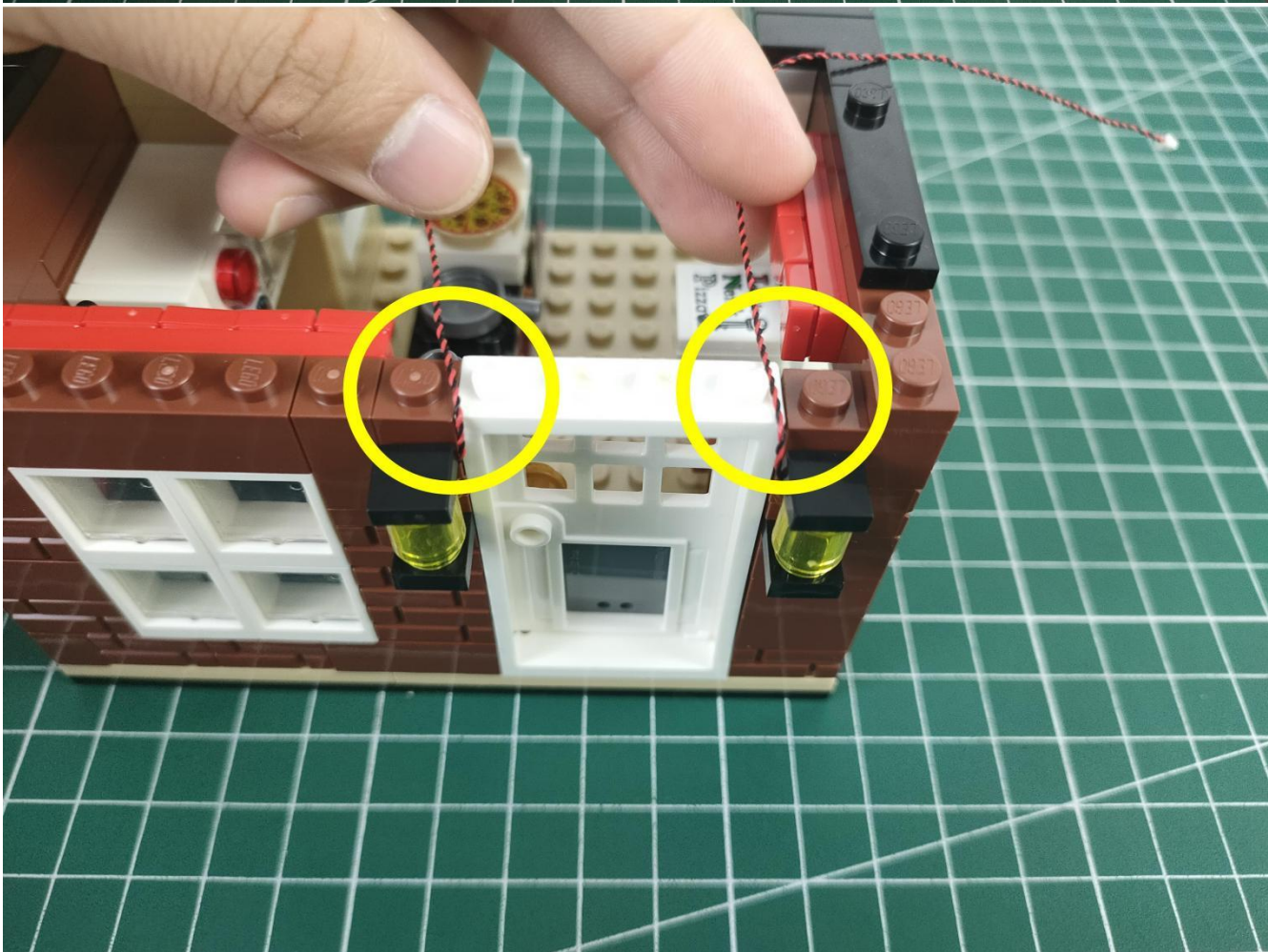
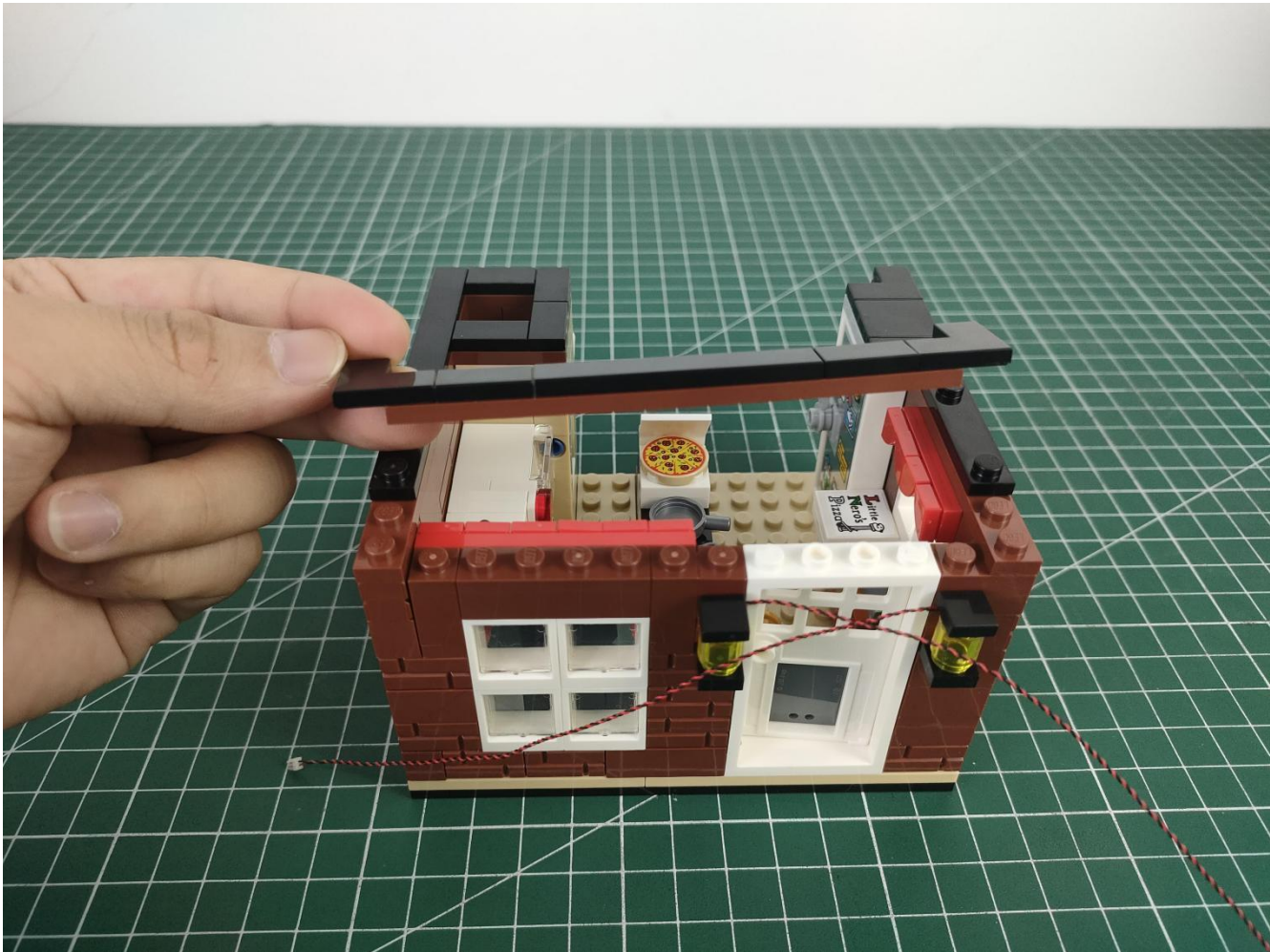




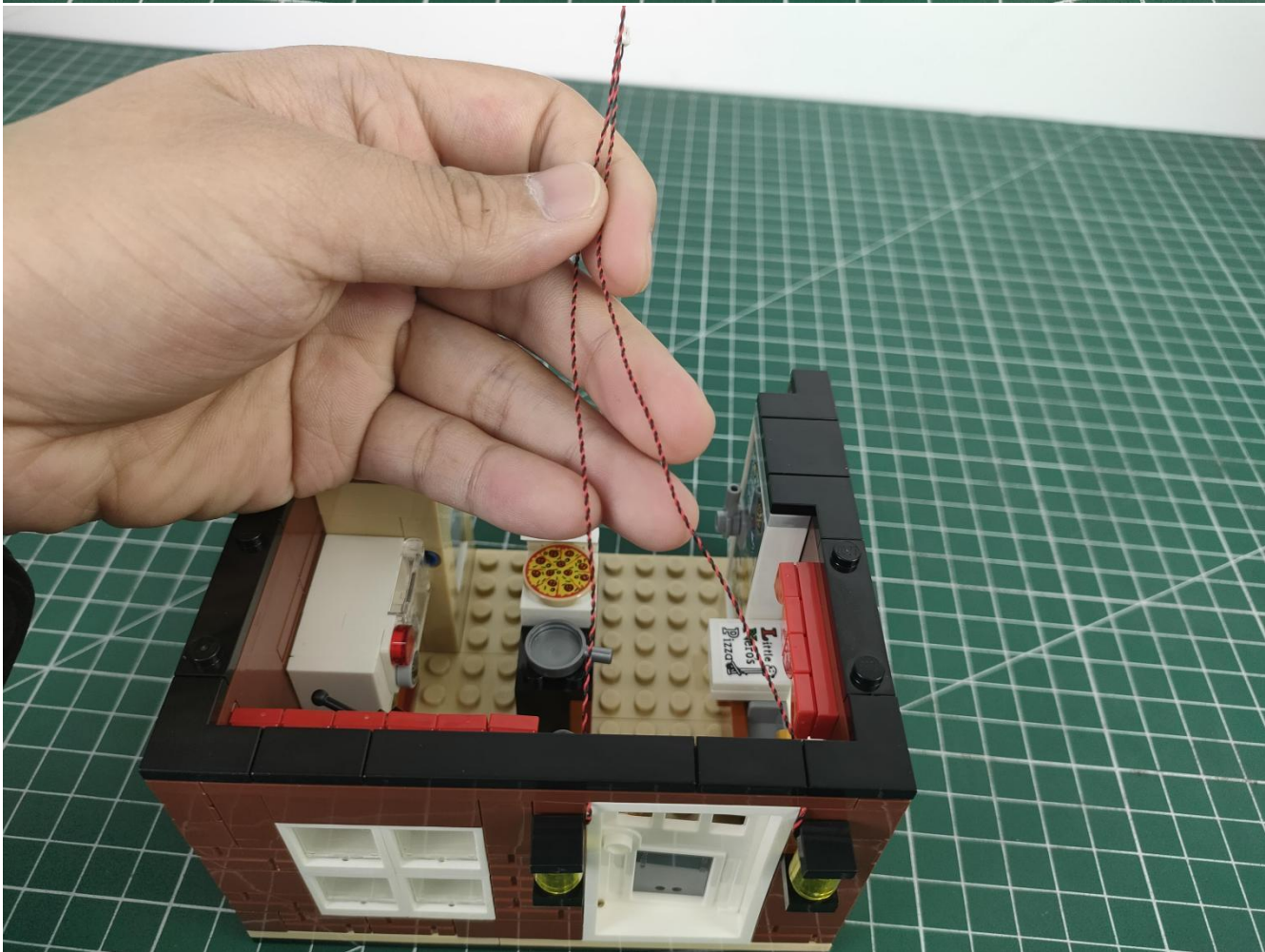




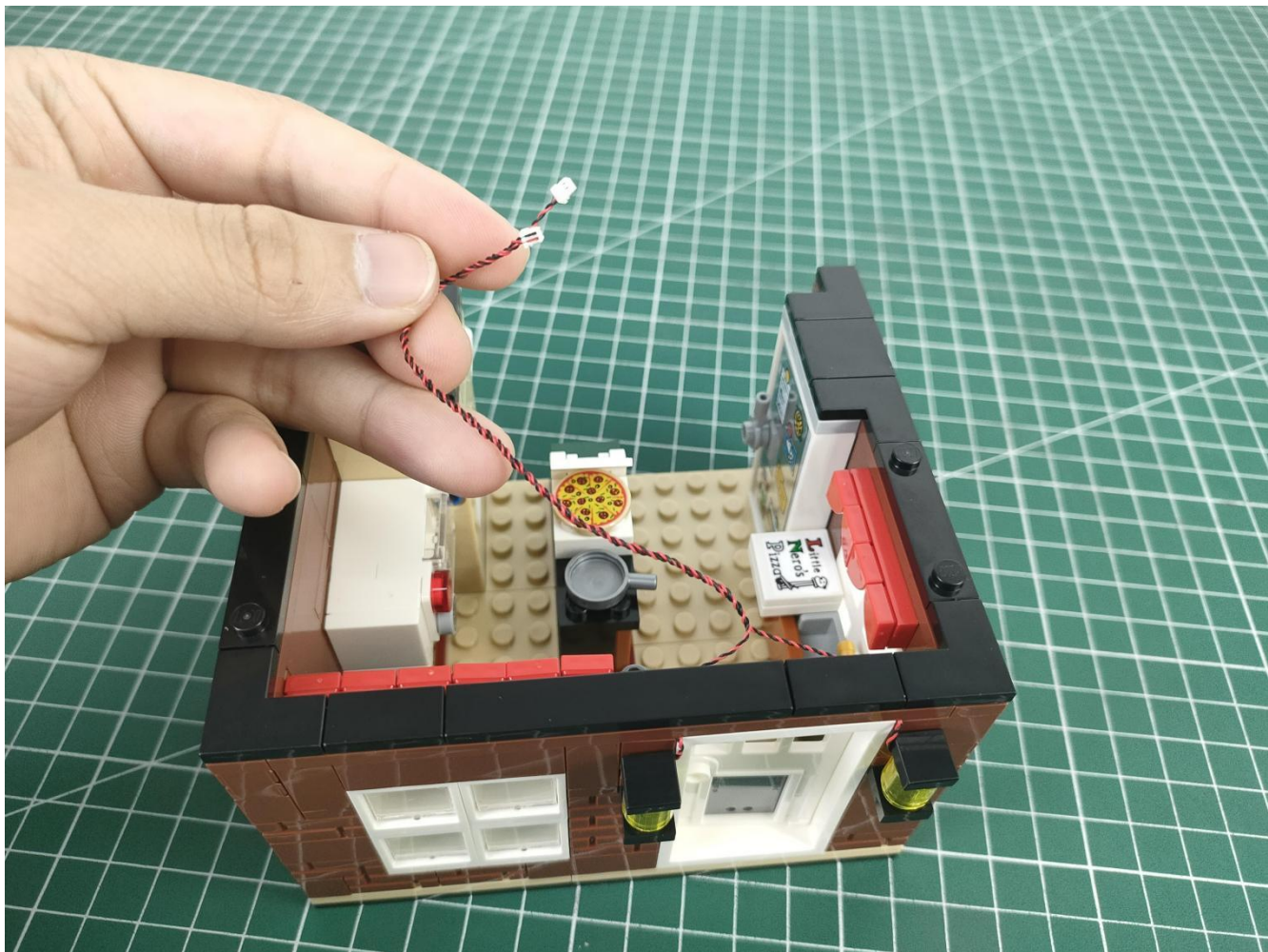




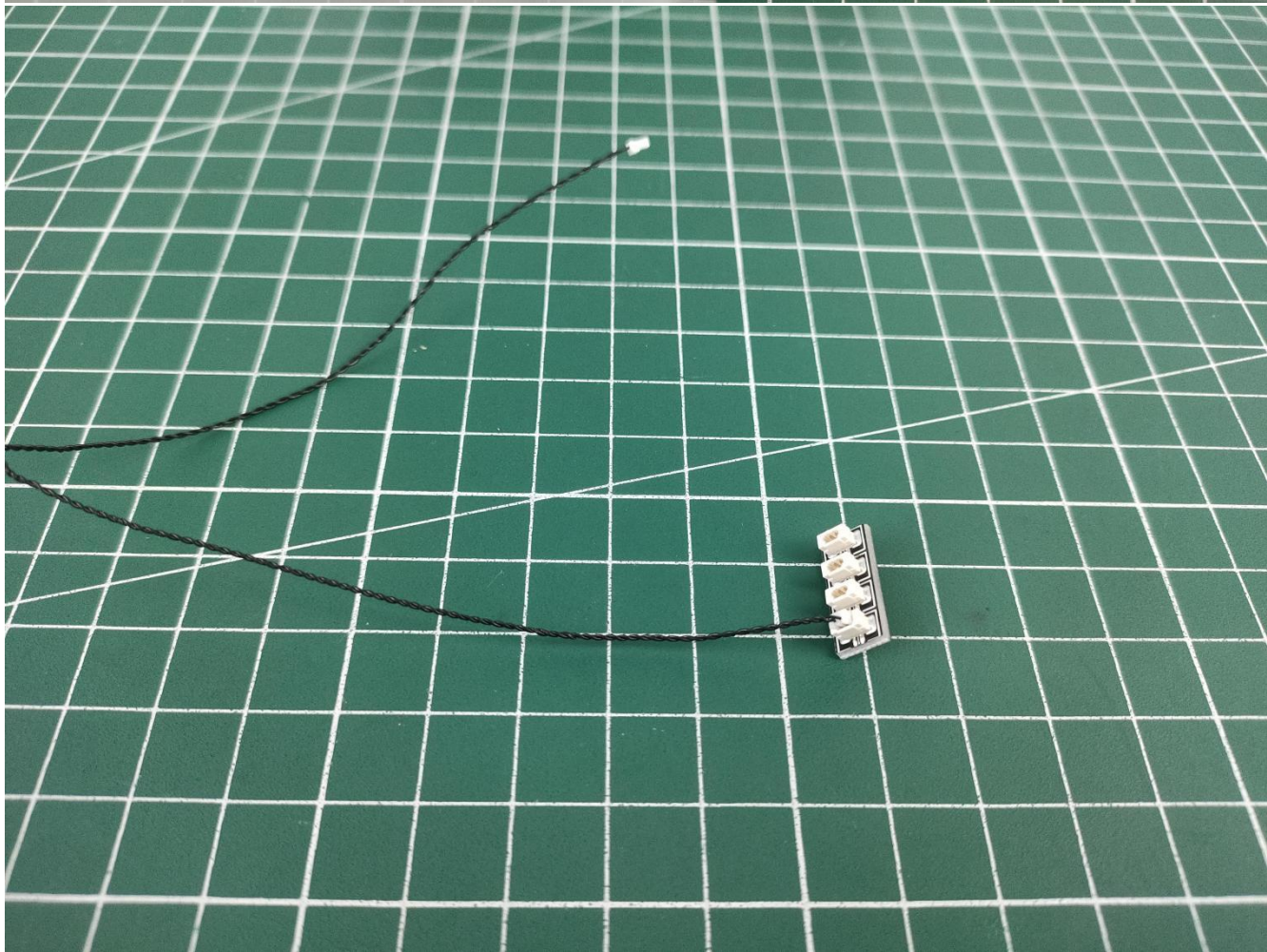




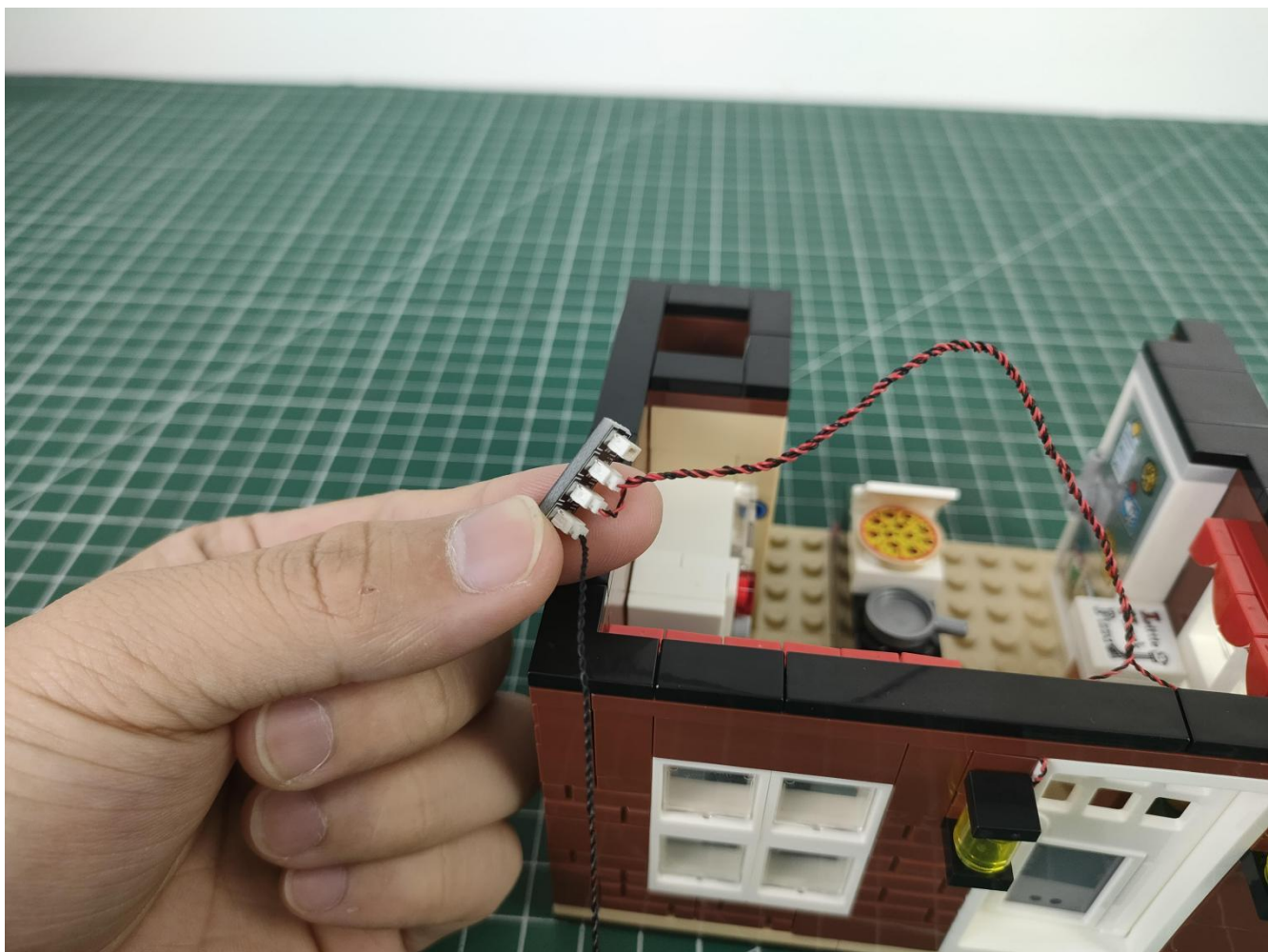




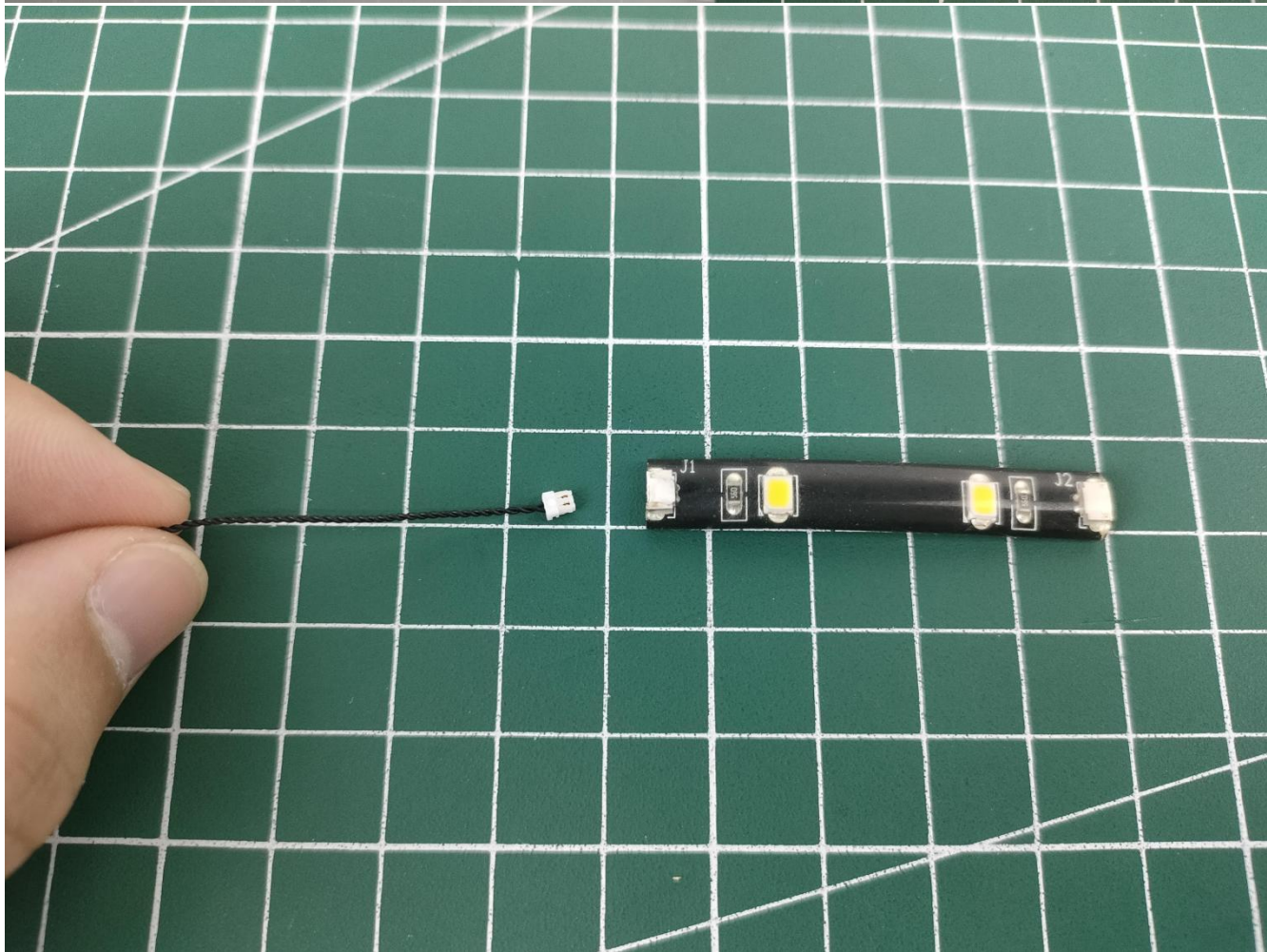




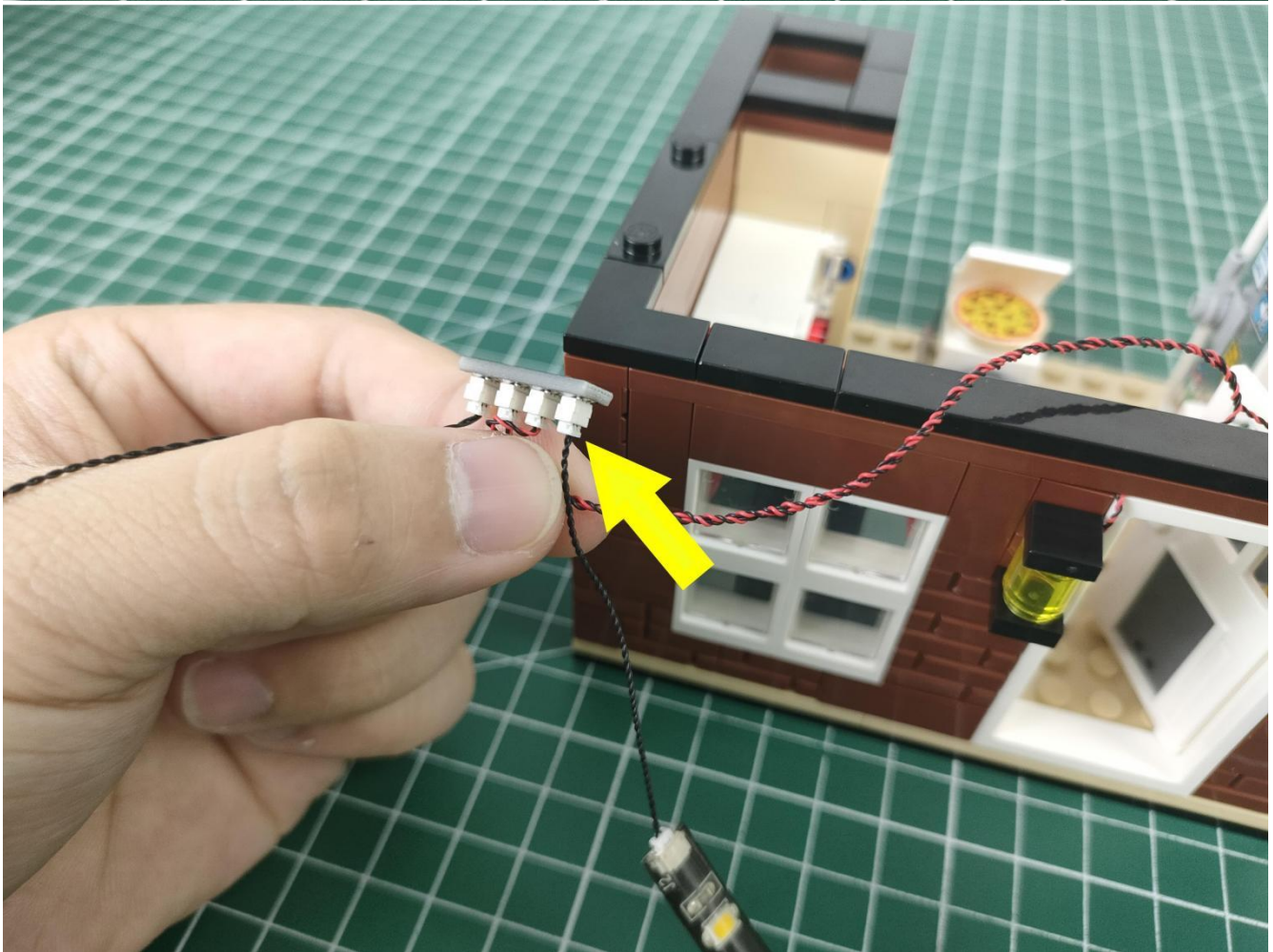
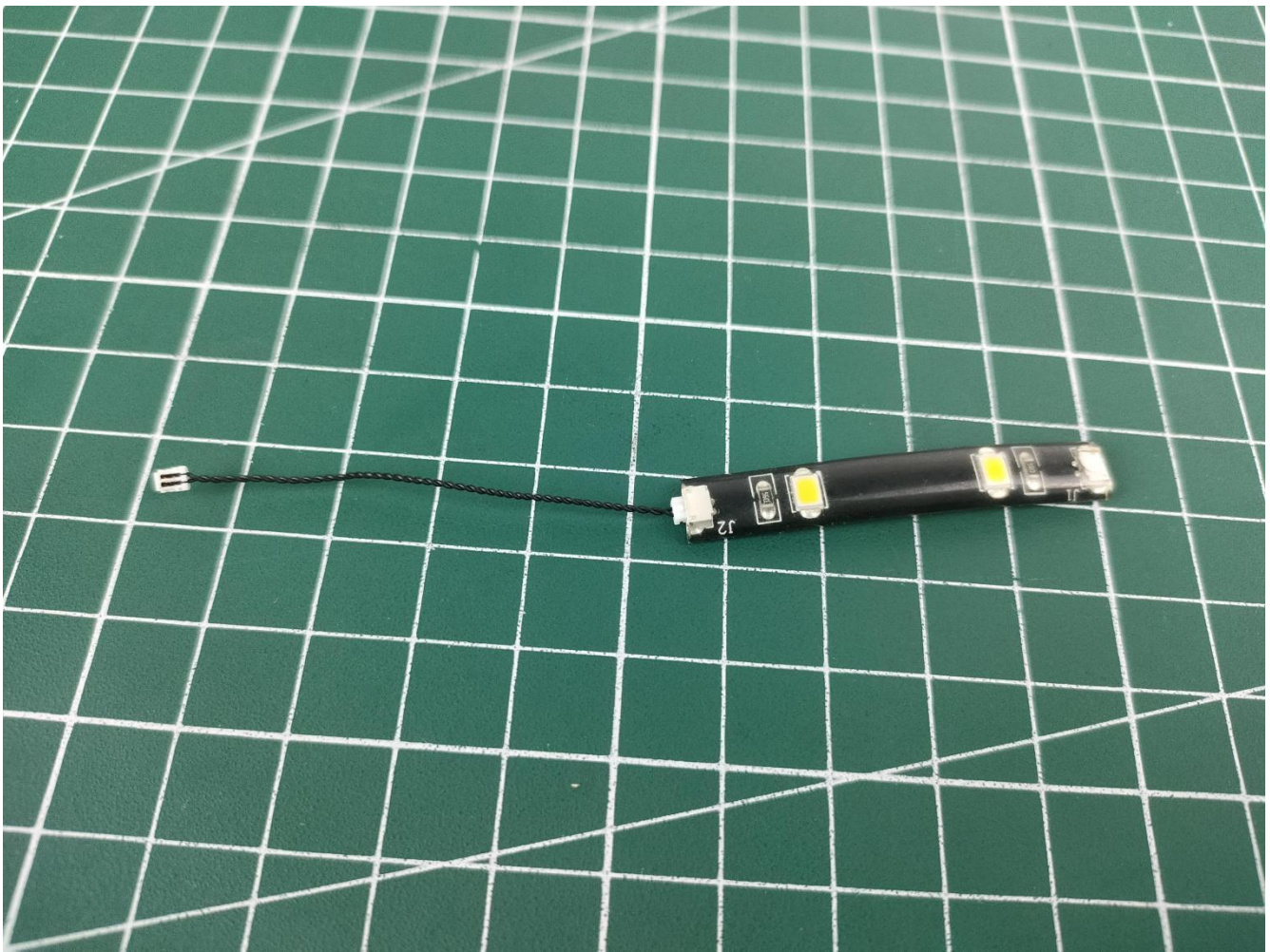




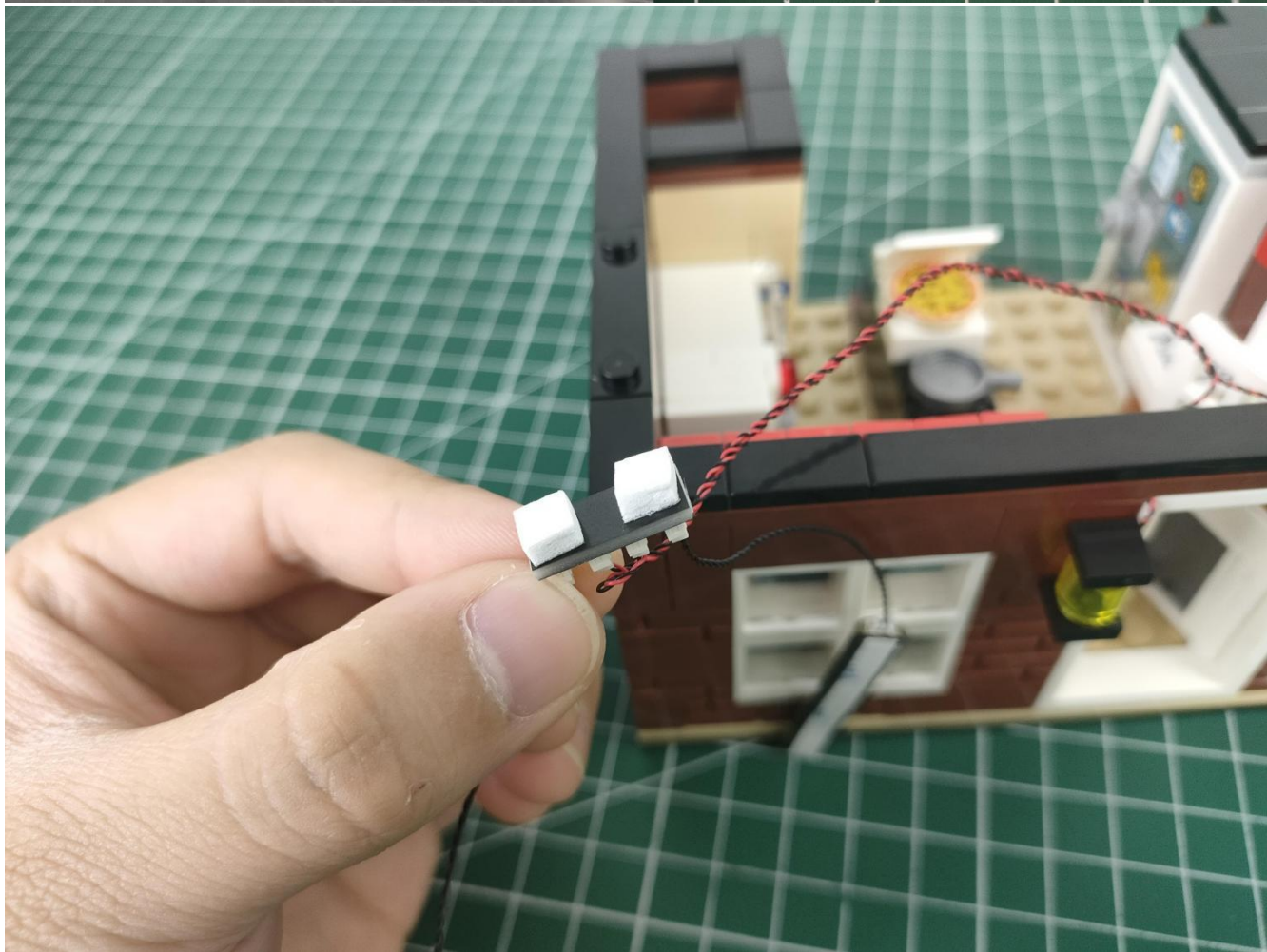




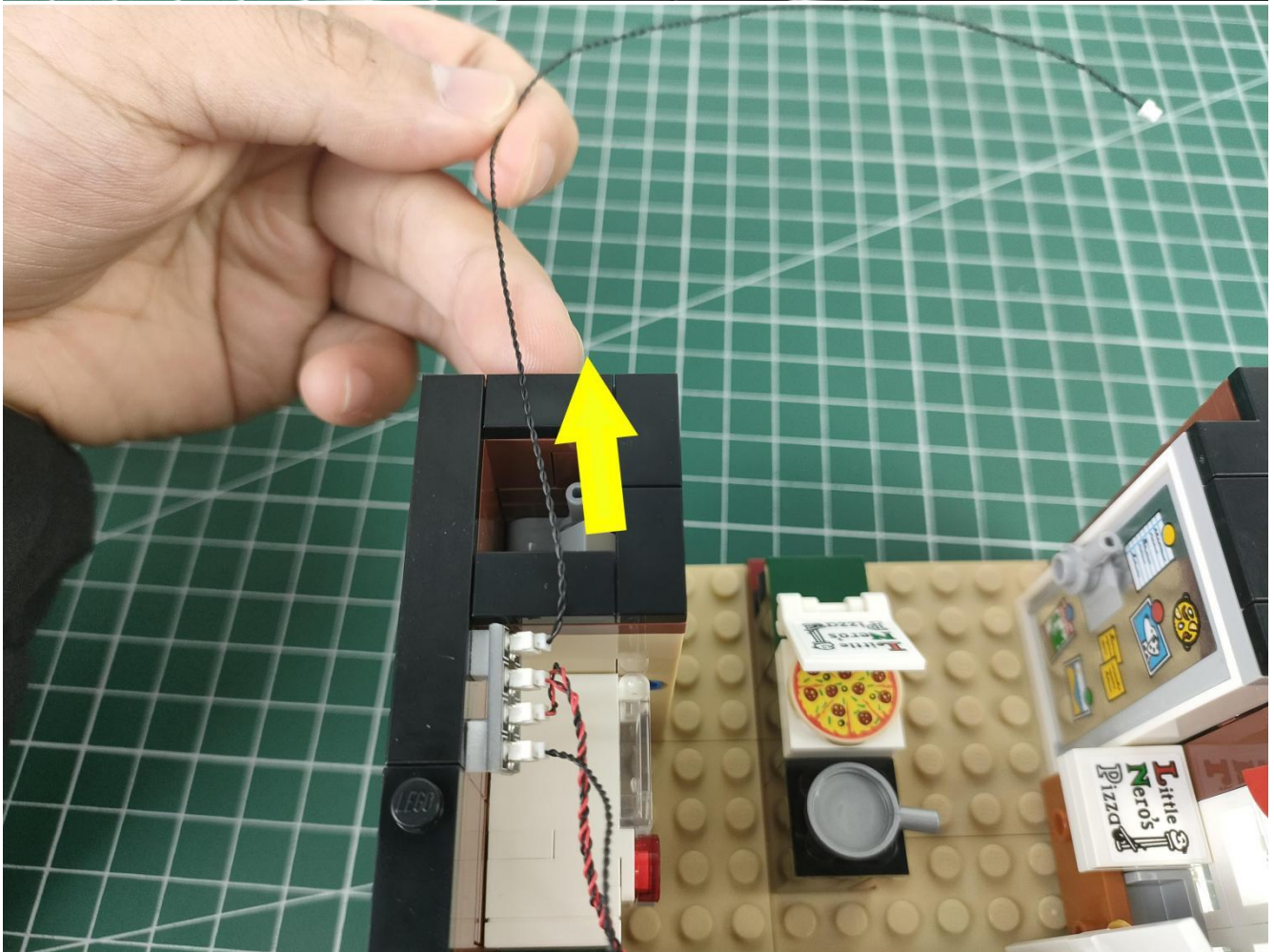
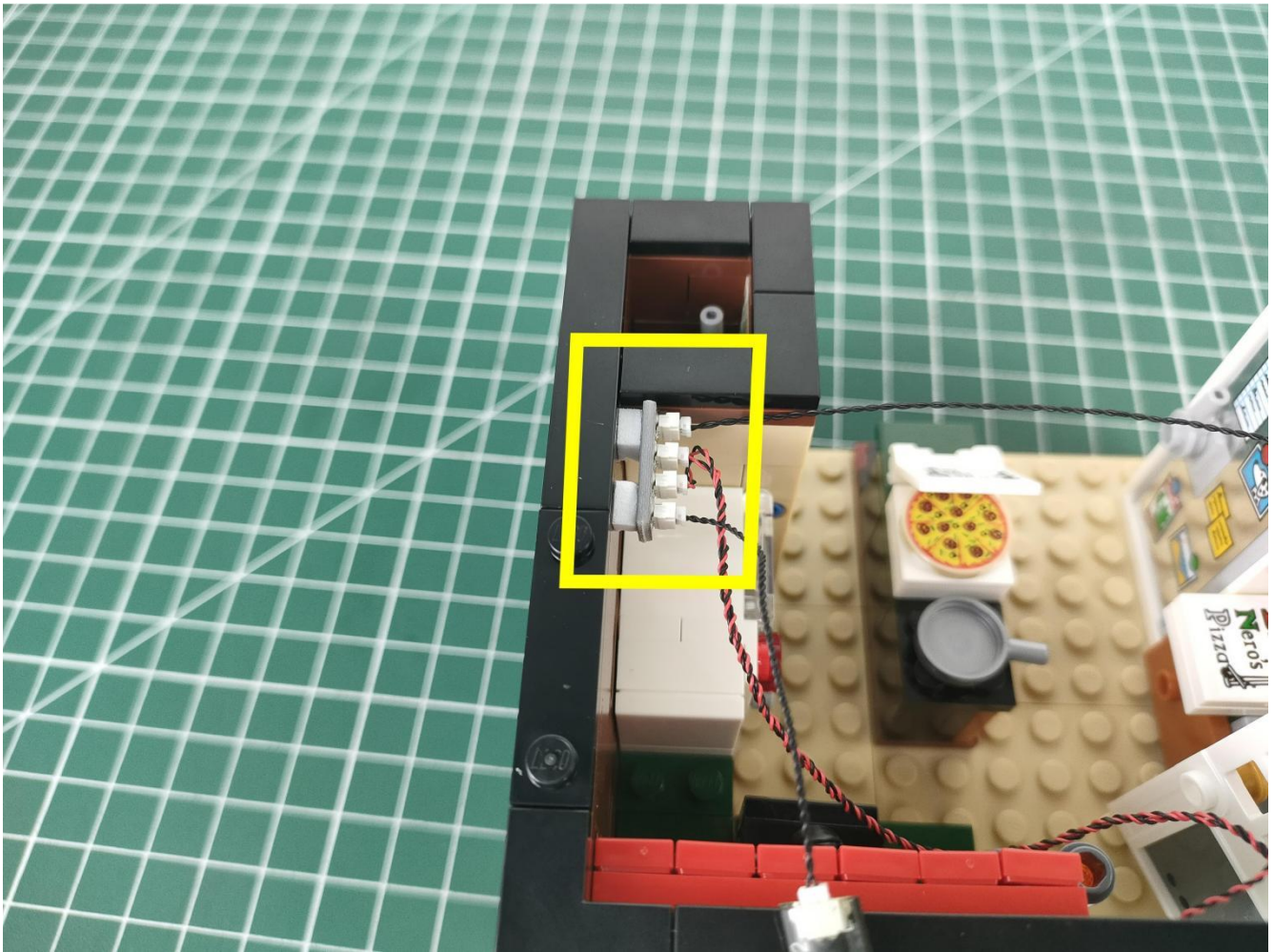




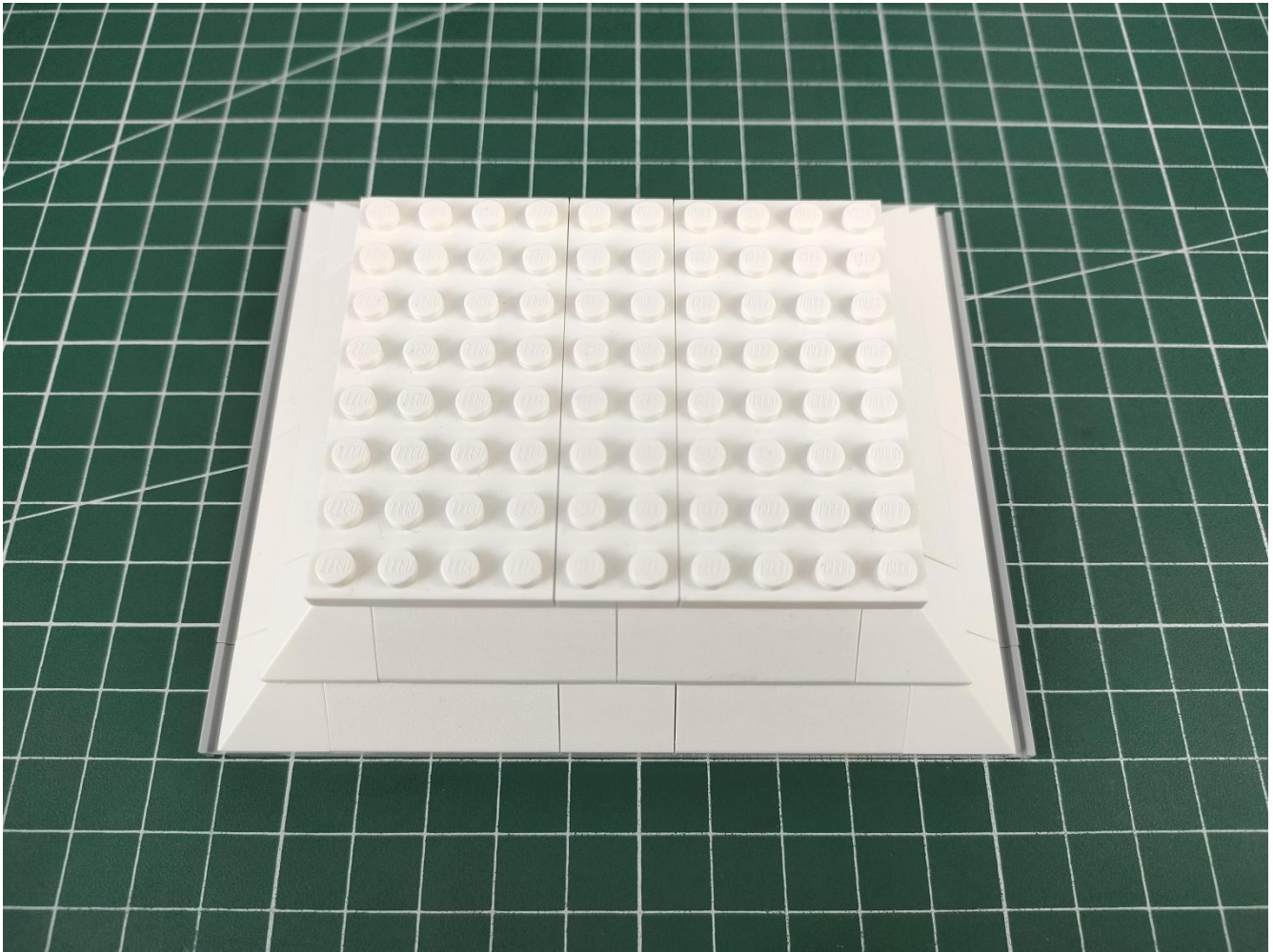




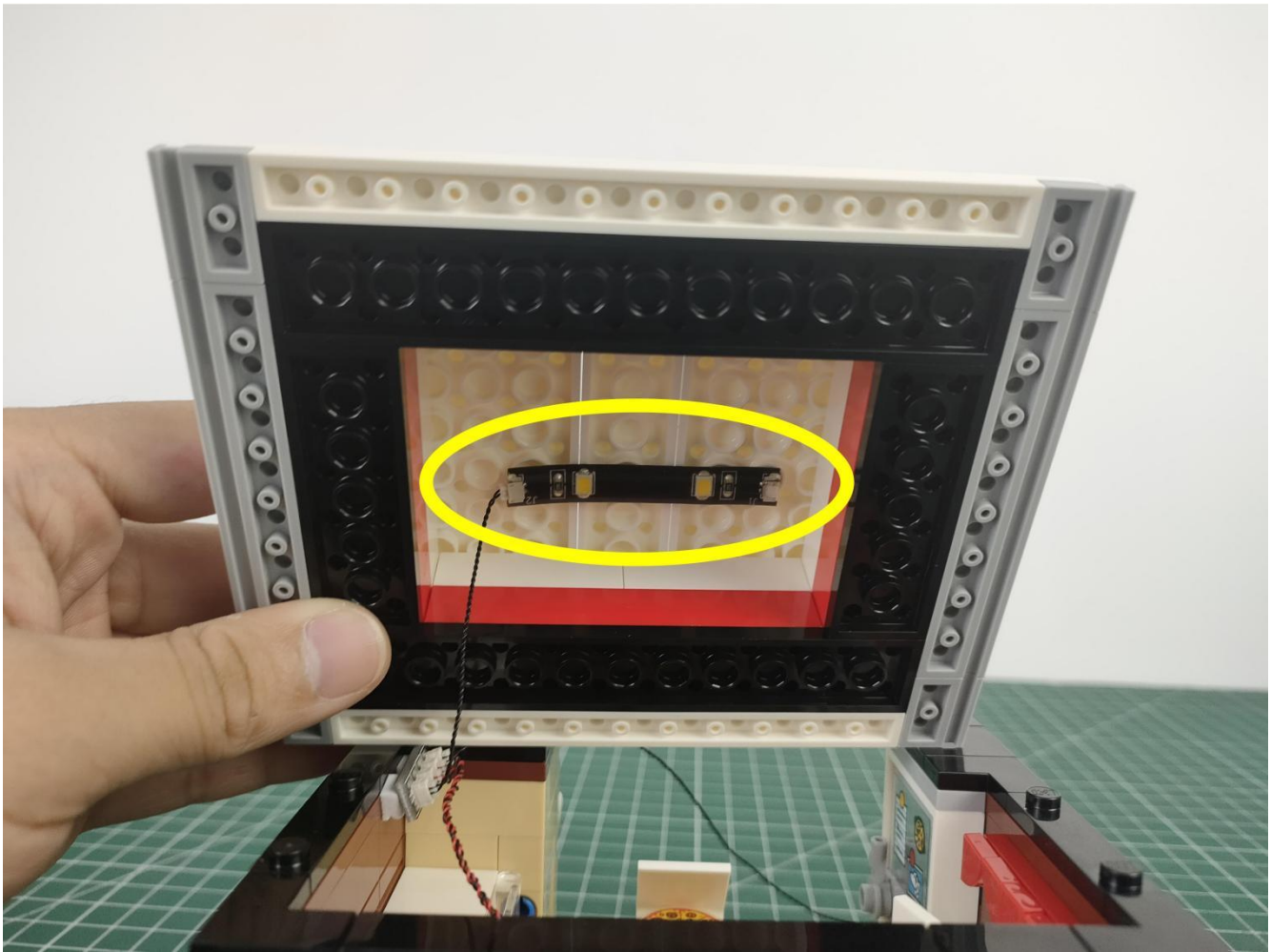




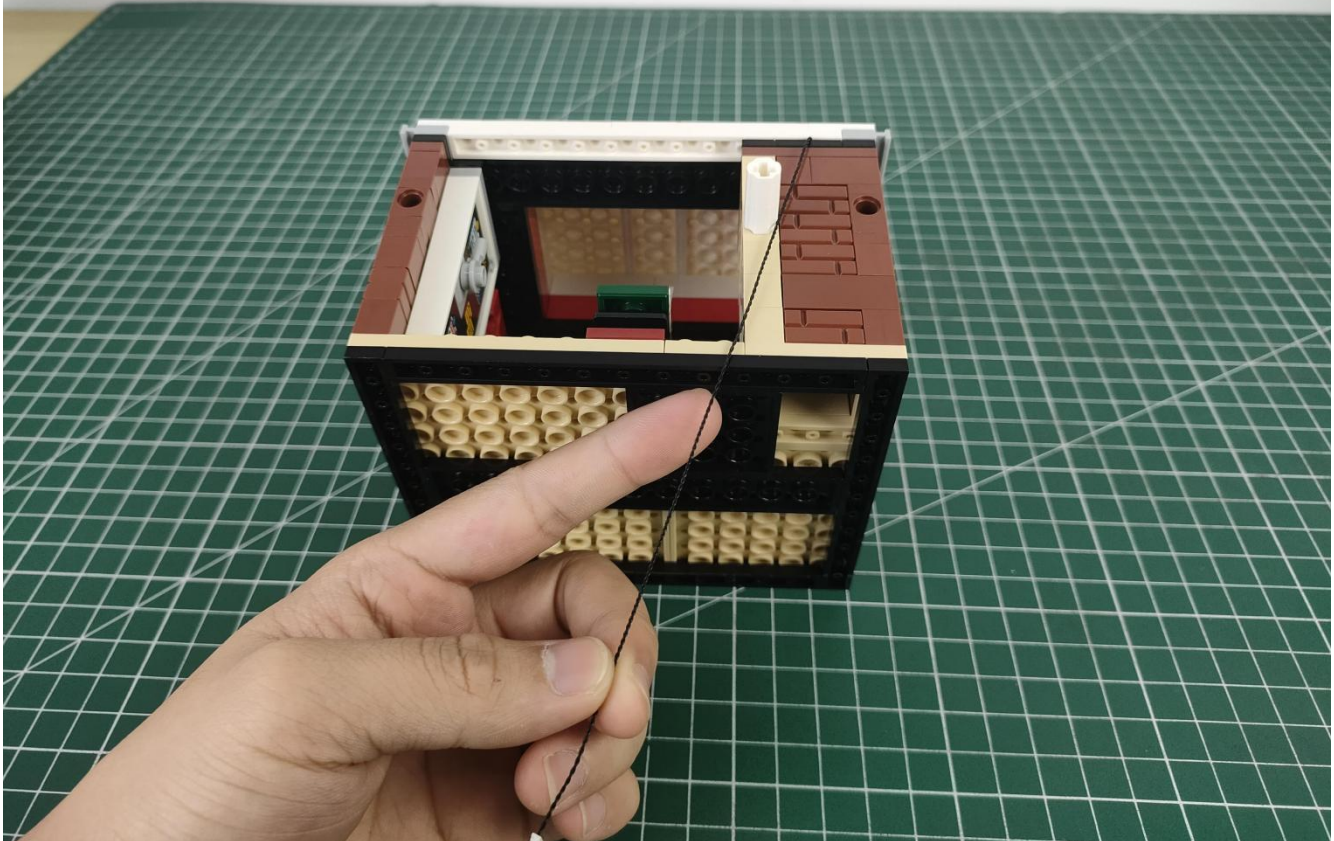
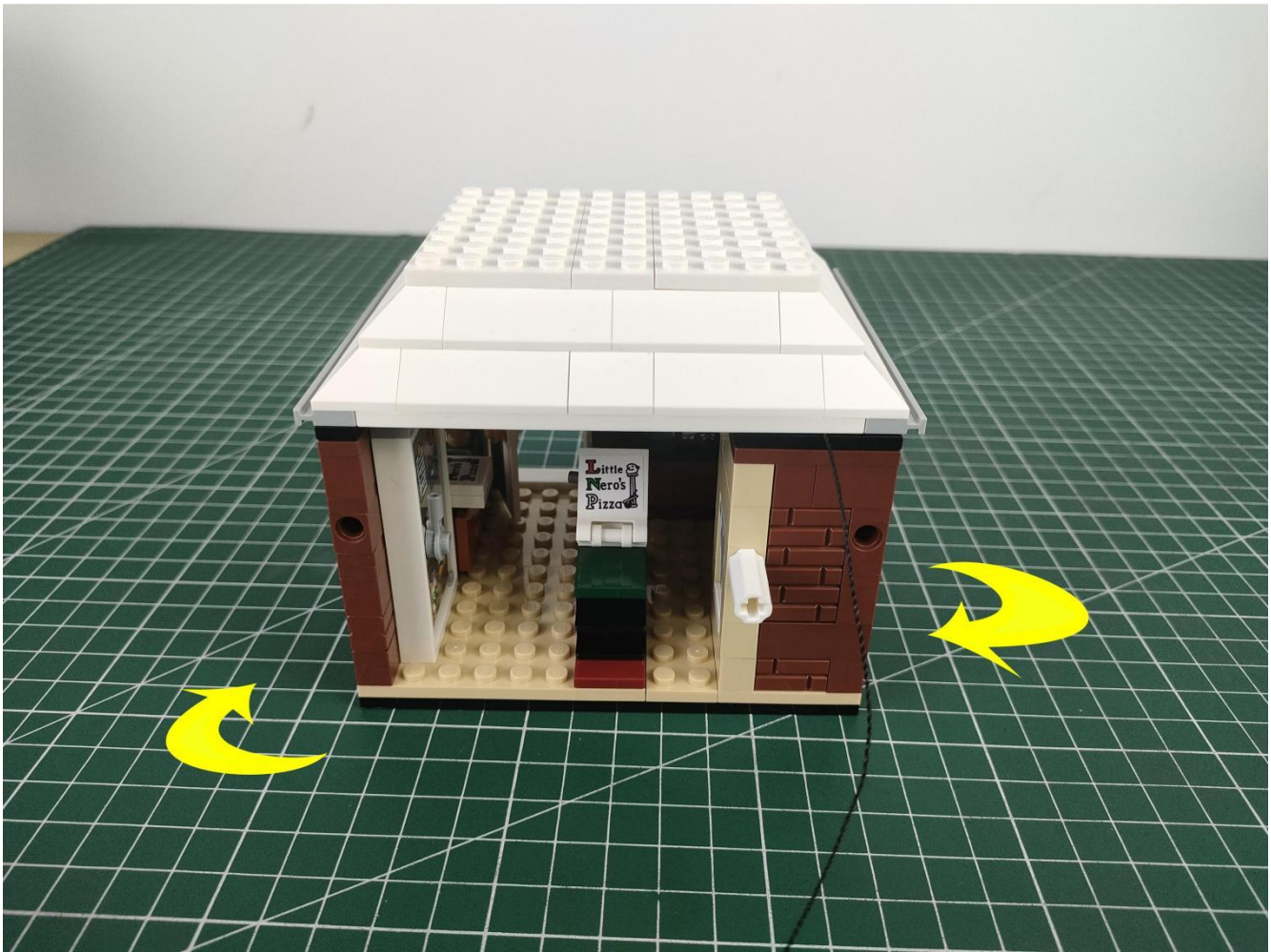














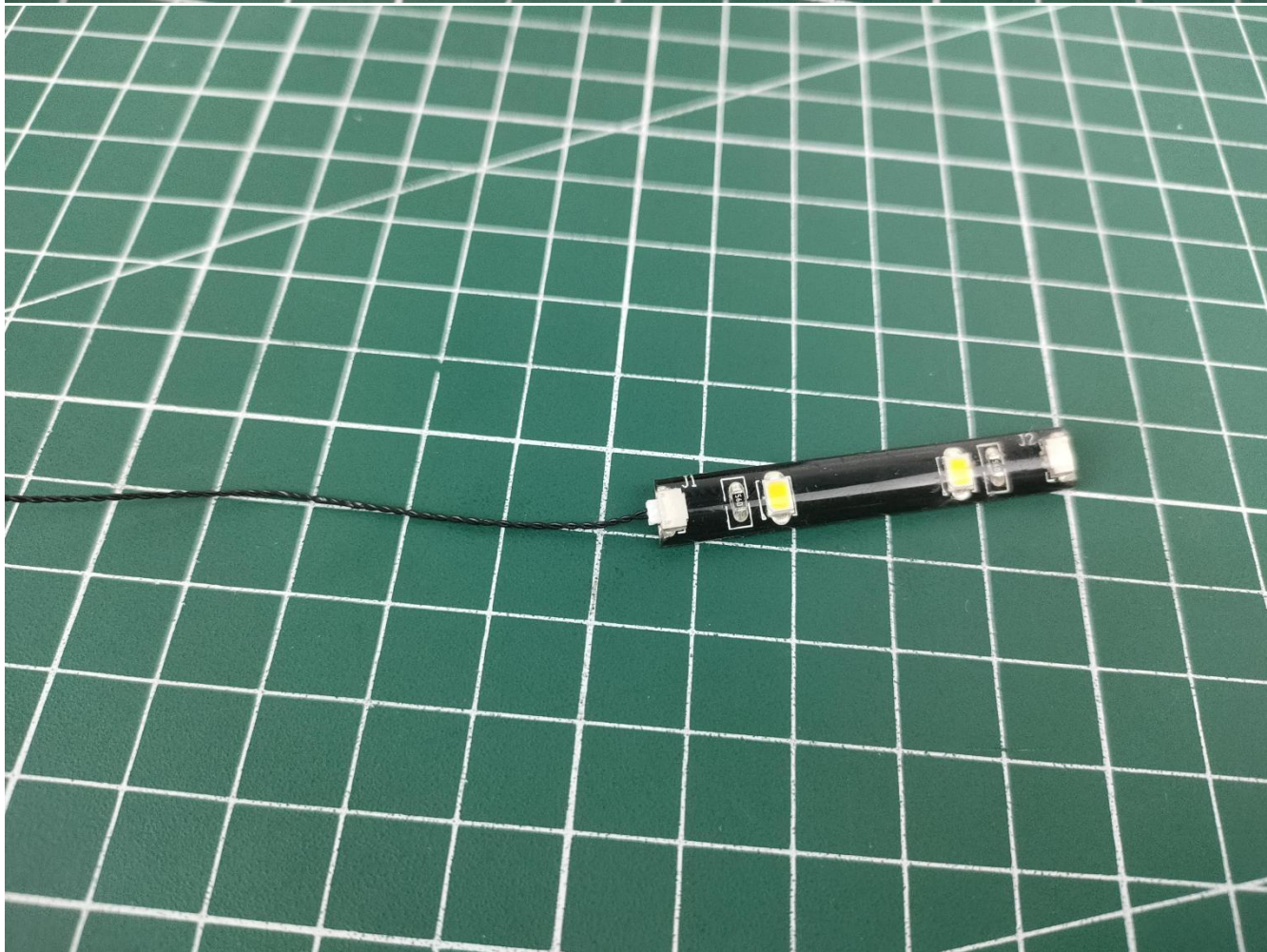
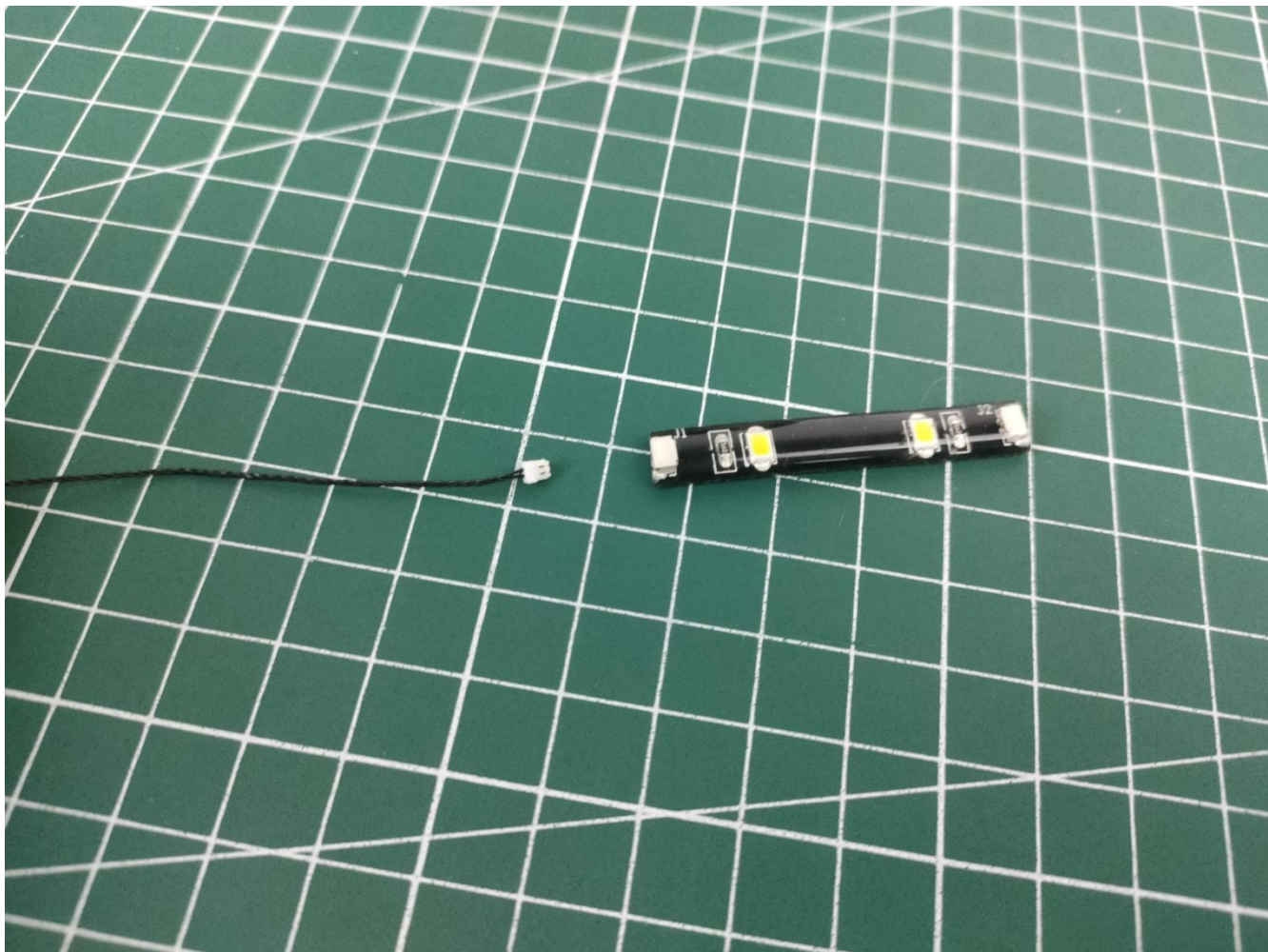


LED燈條暖白  
LED Strip Lights  
Warm White

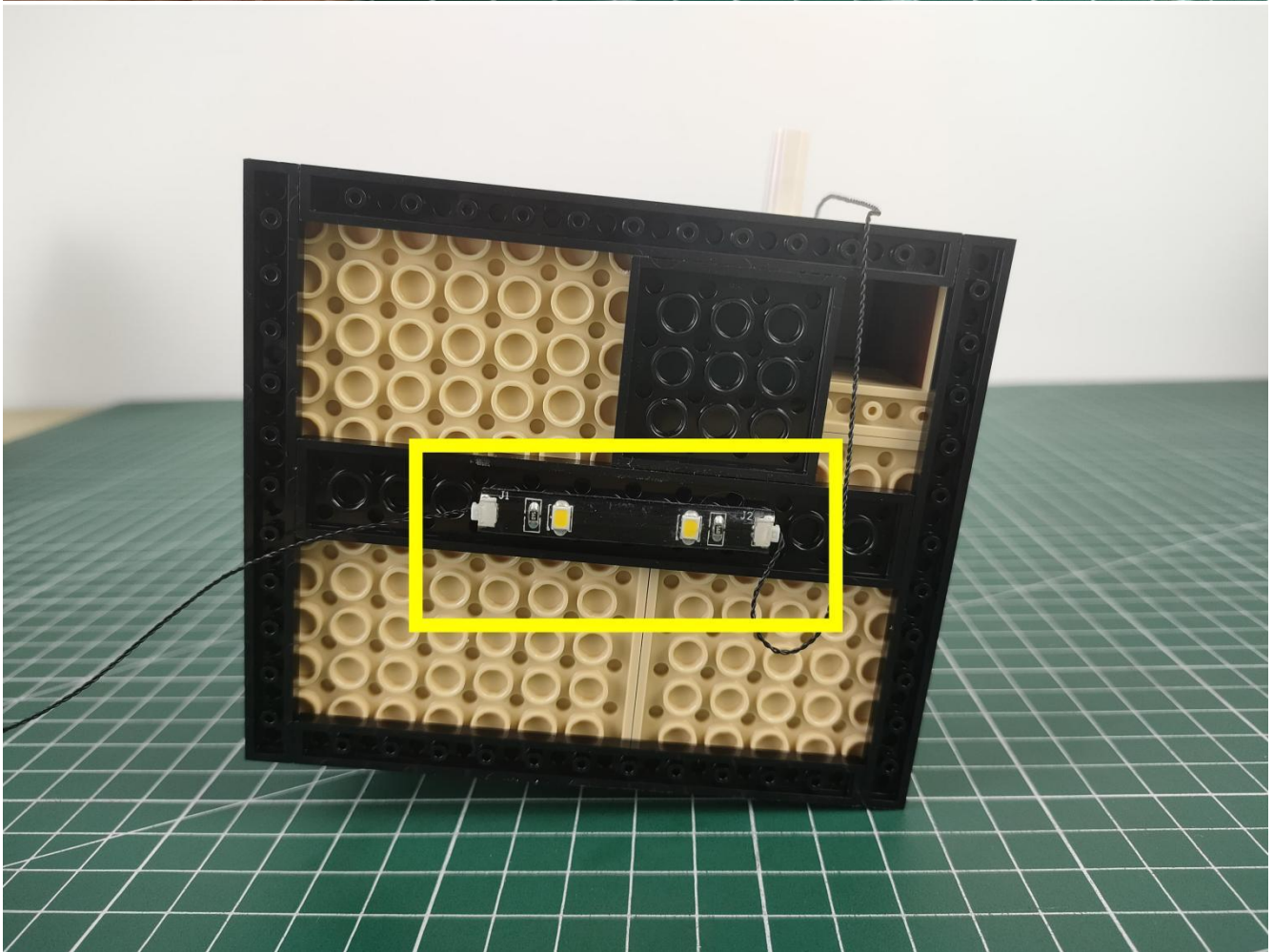
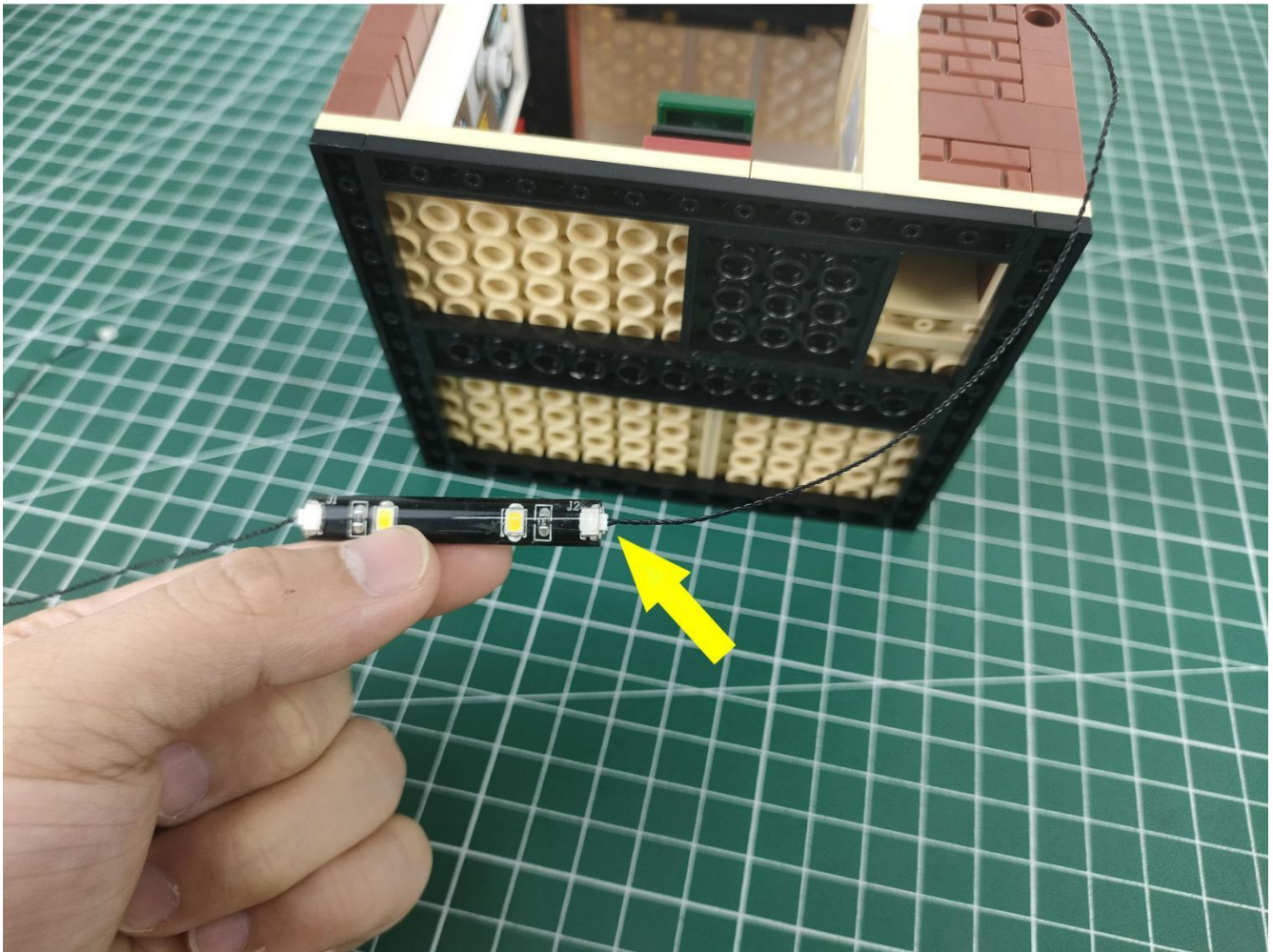


連接線 20CM  
Connecting Cables  
20CM









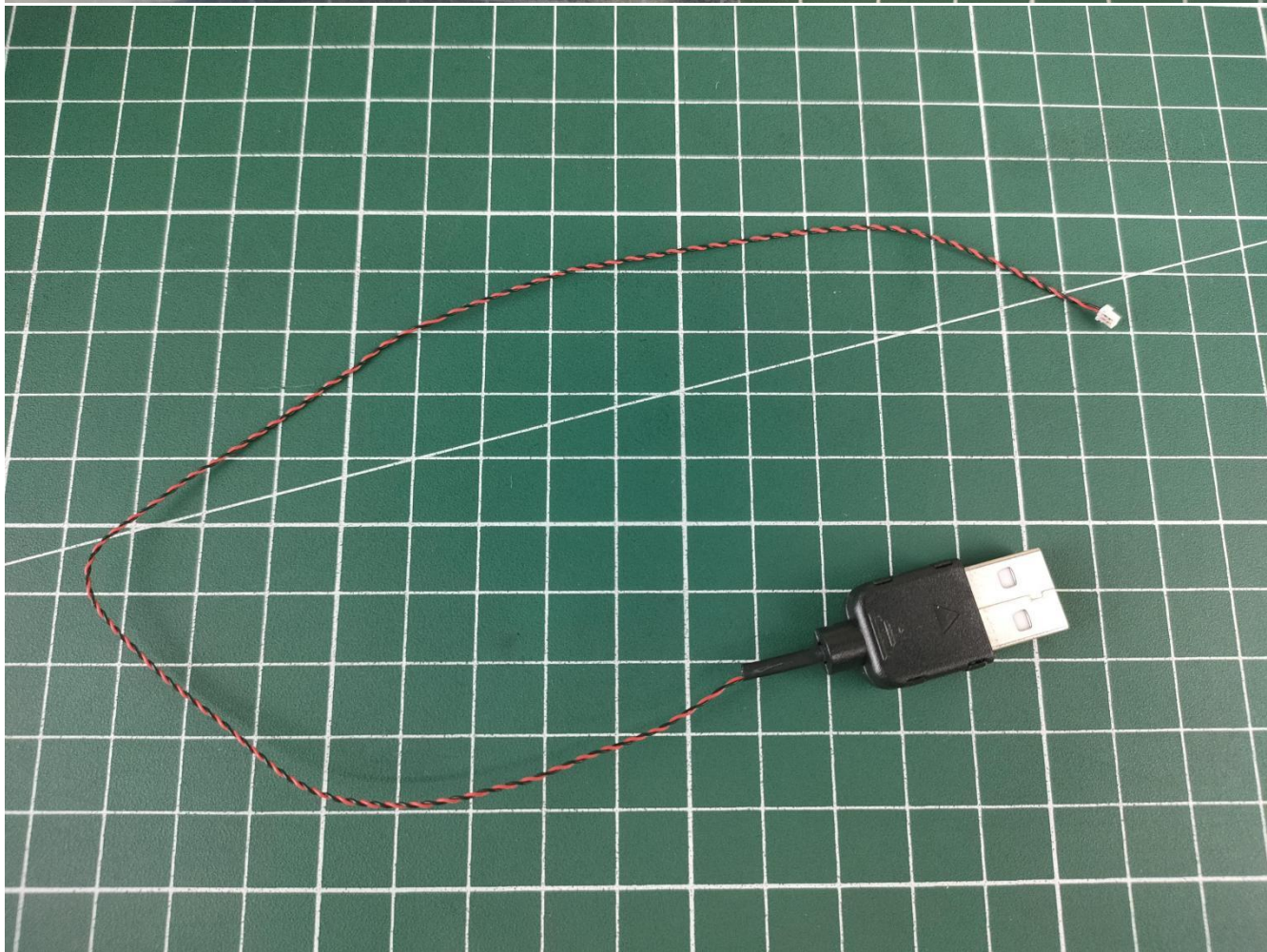




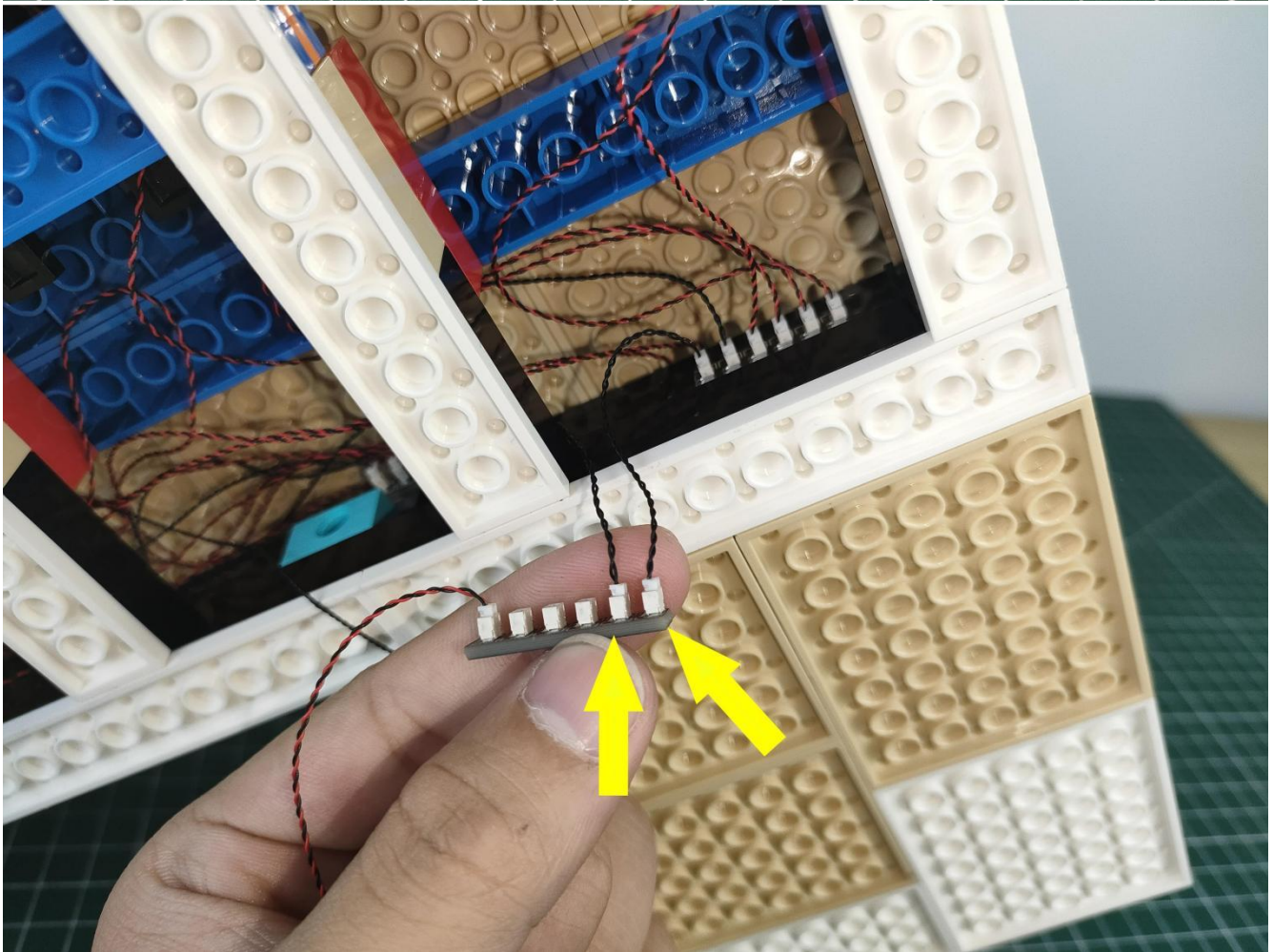
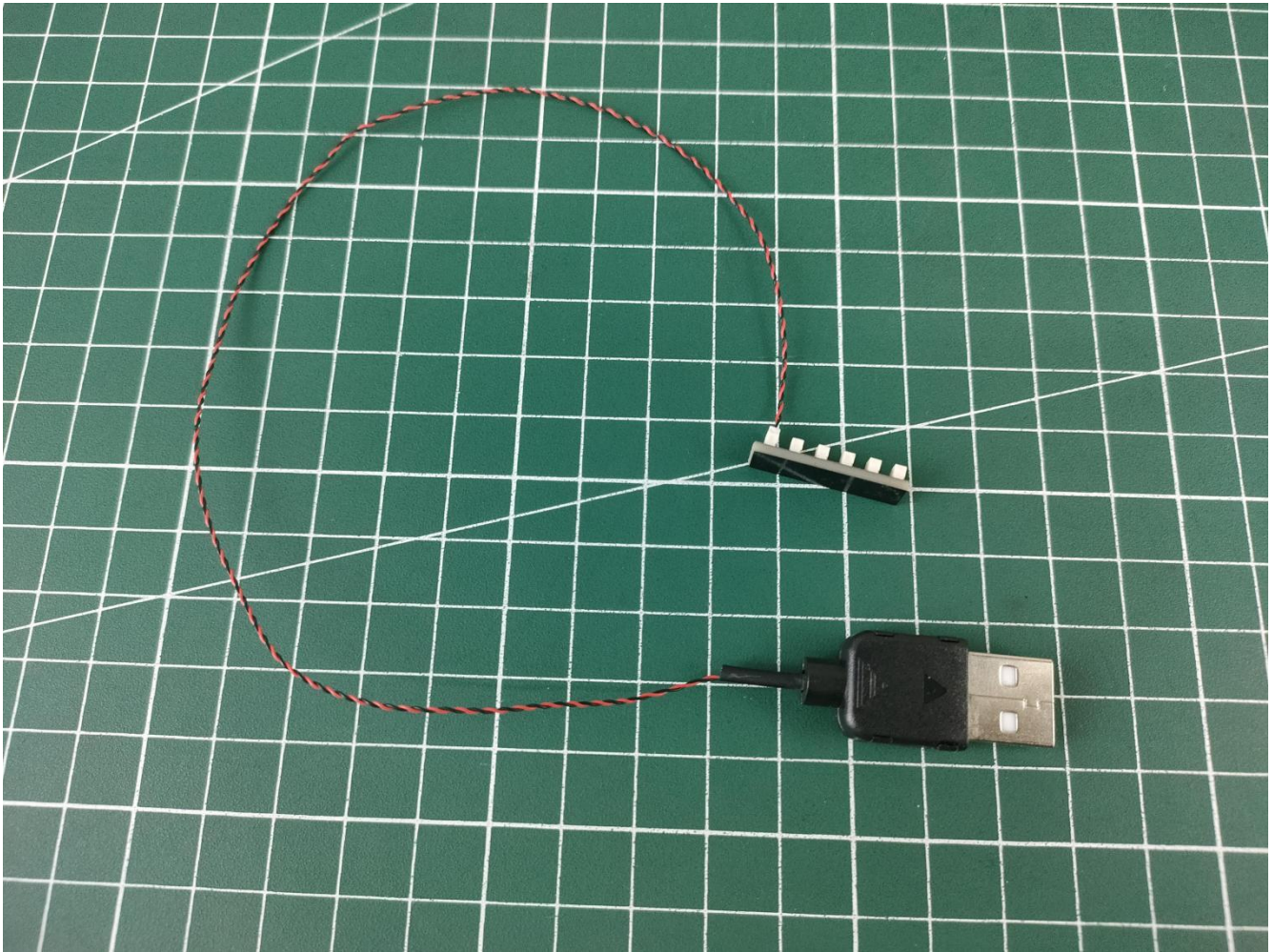




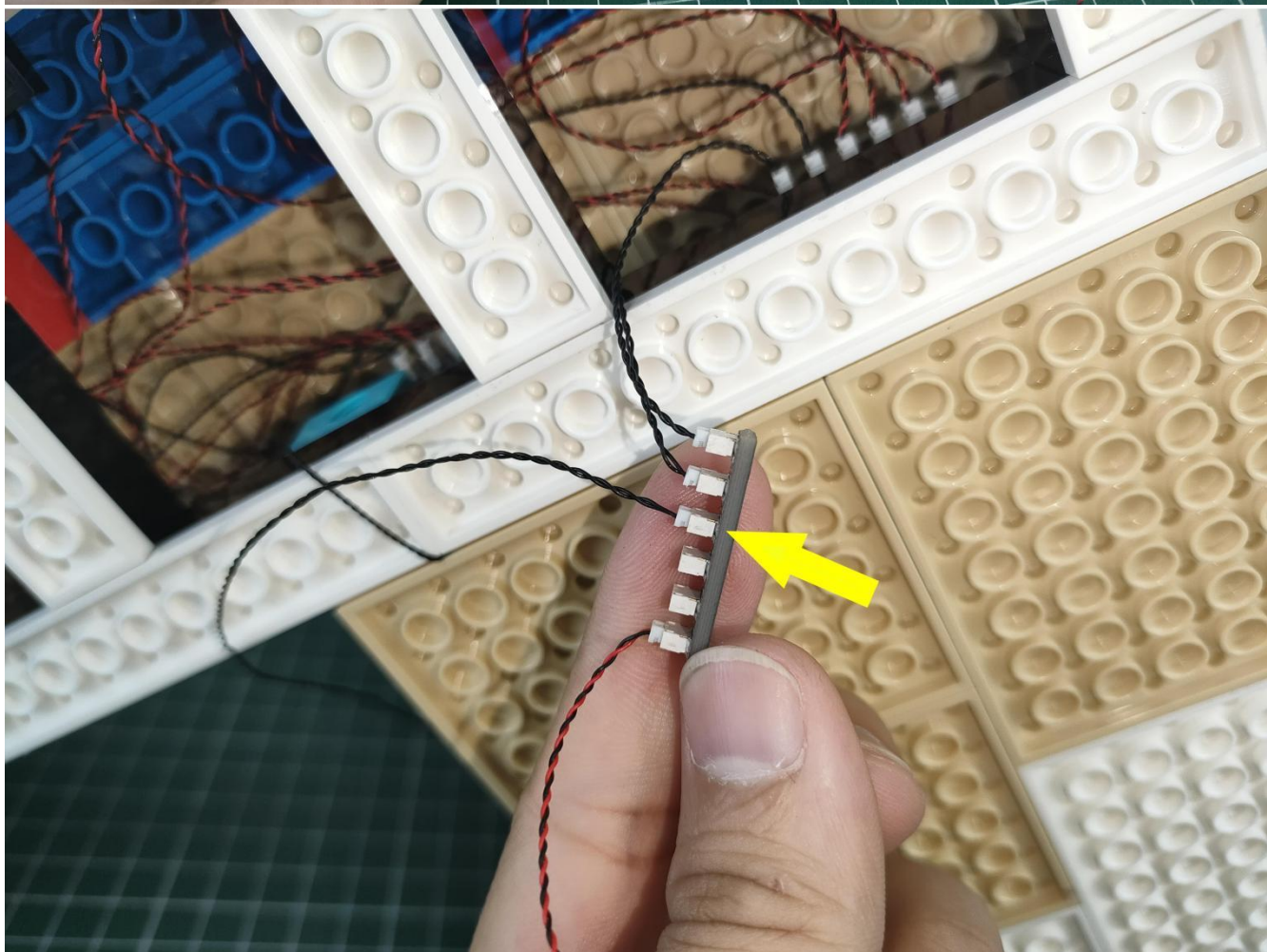
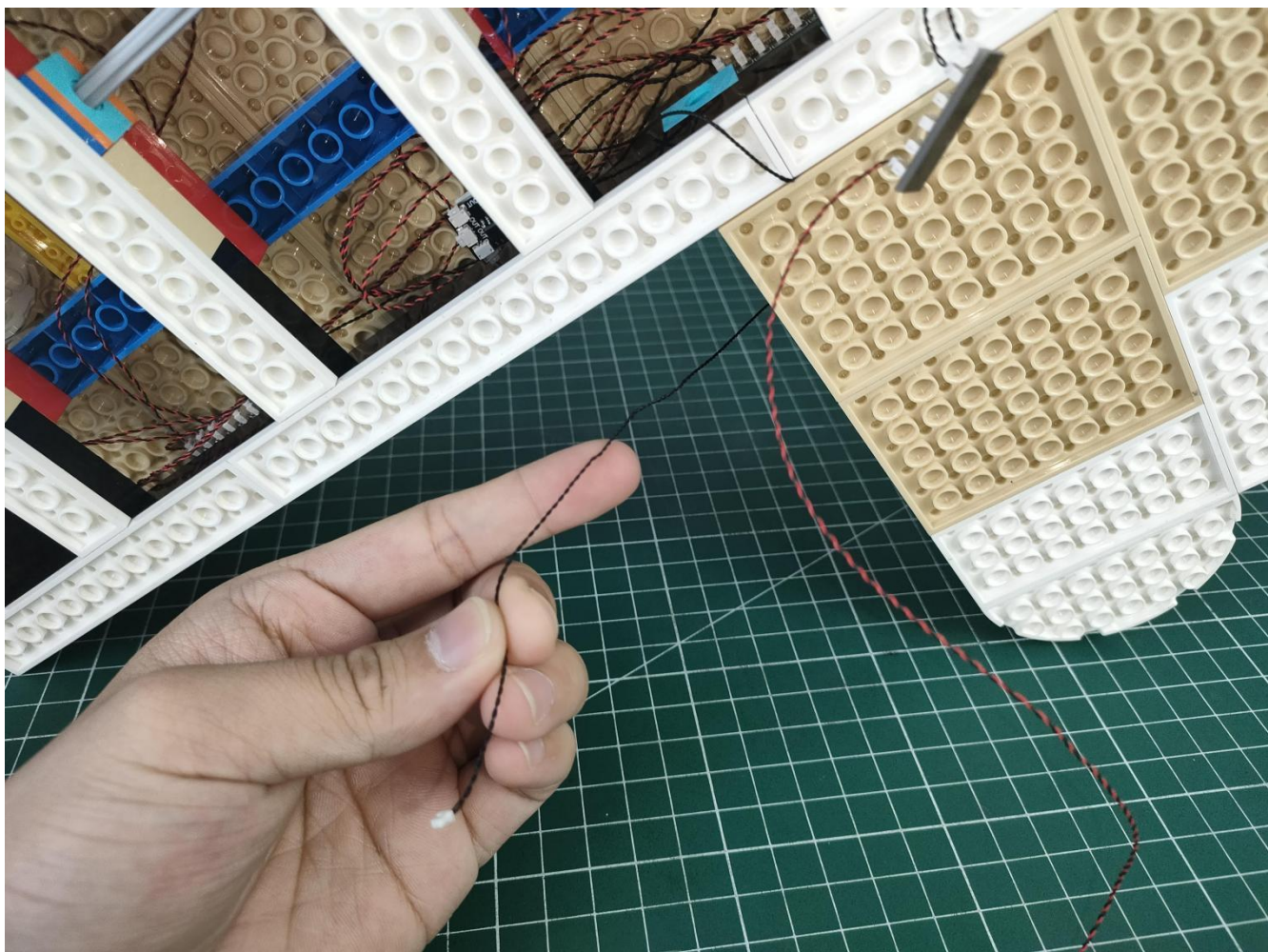




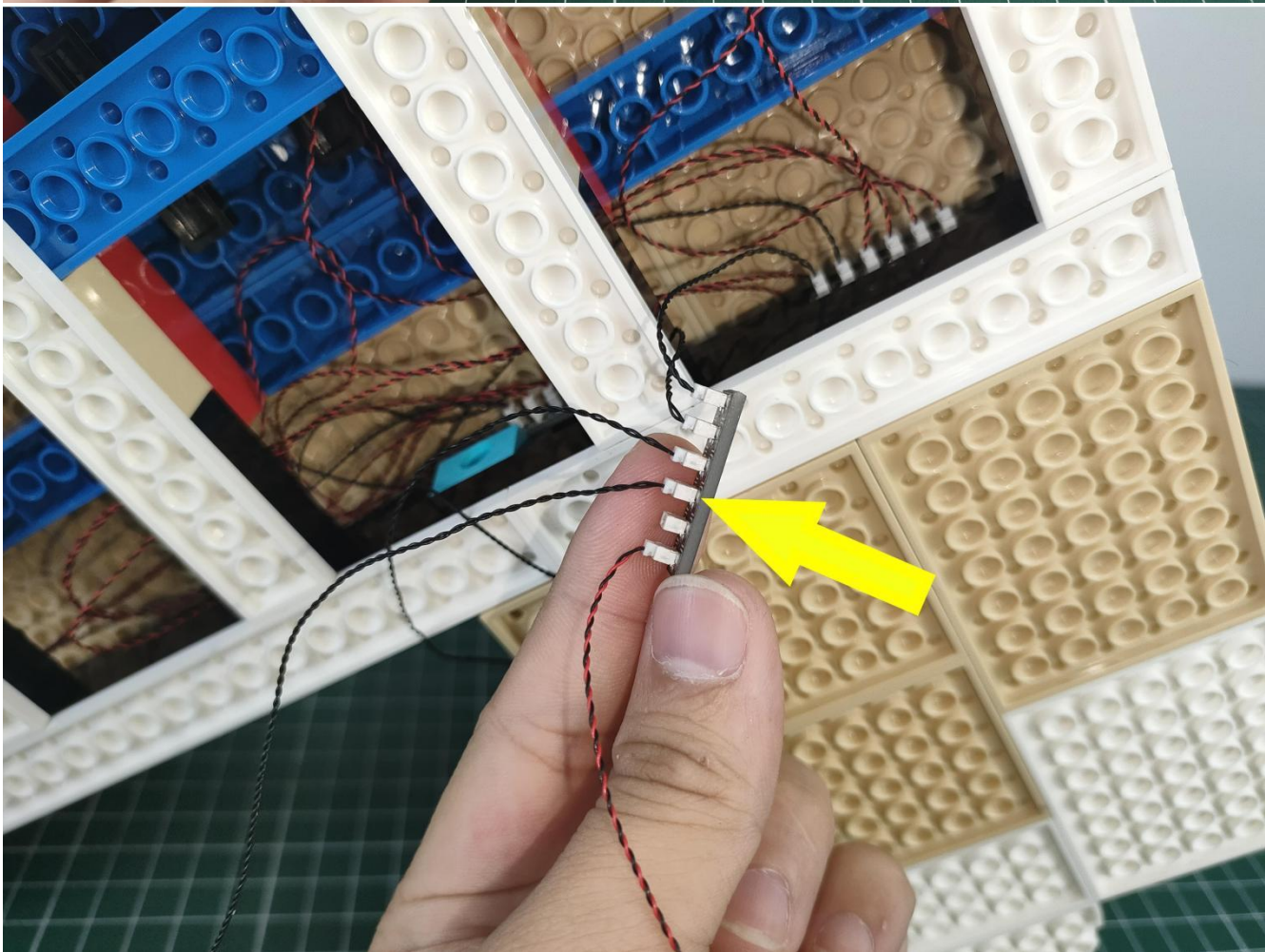
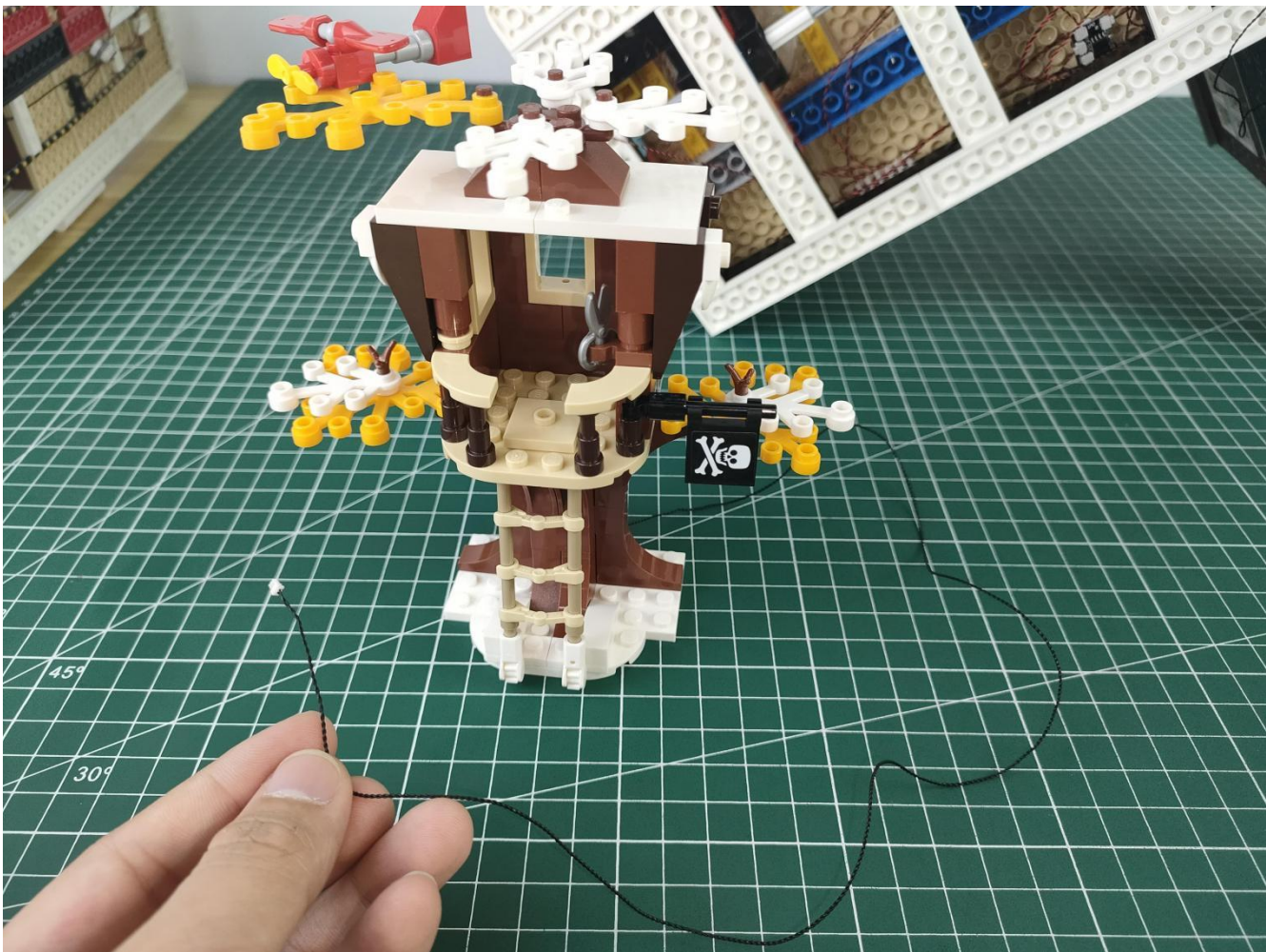




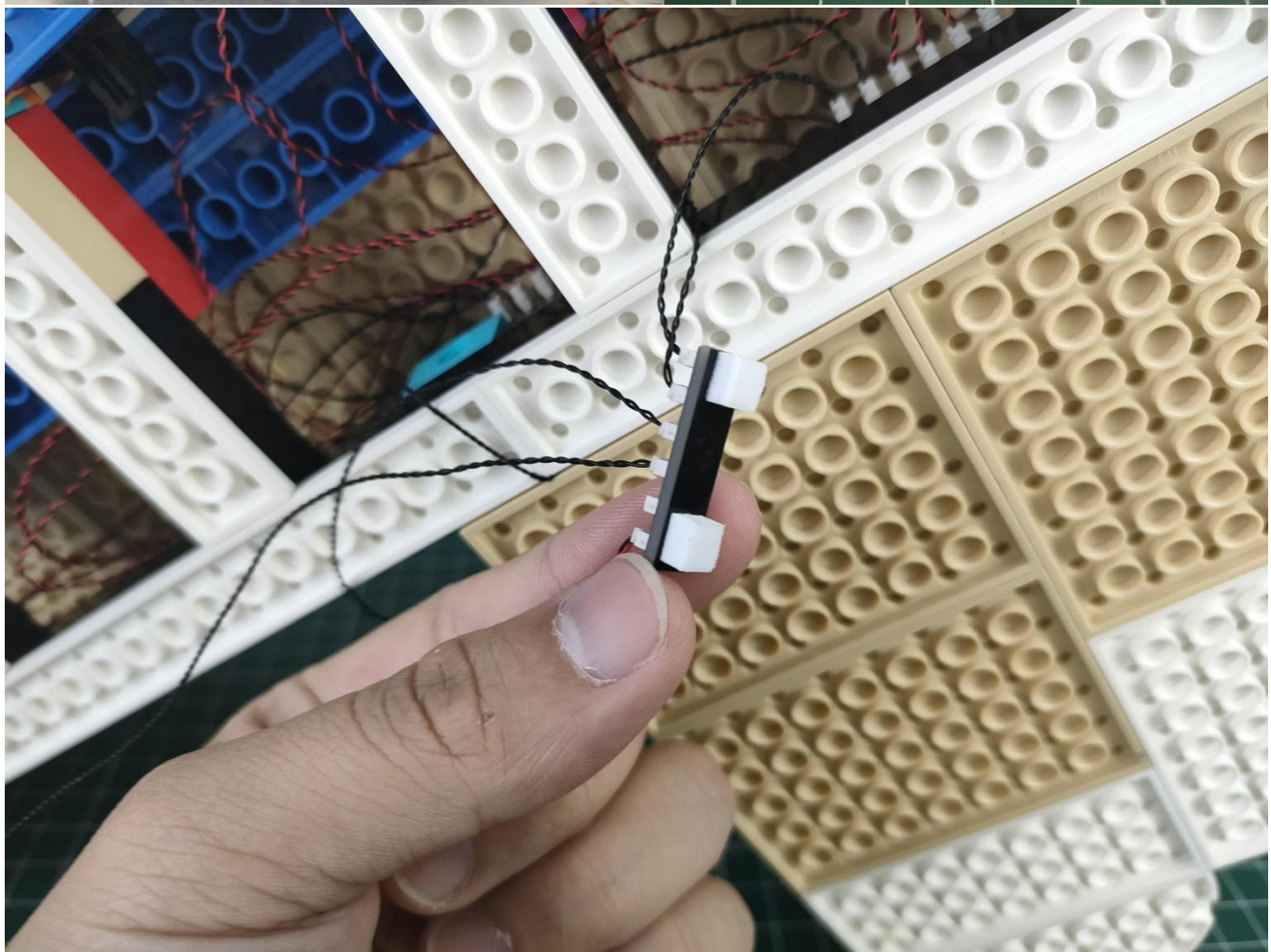




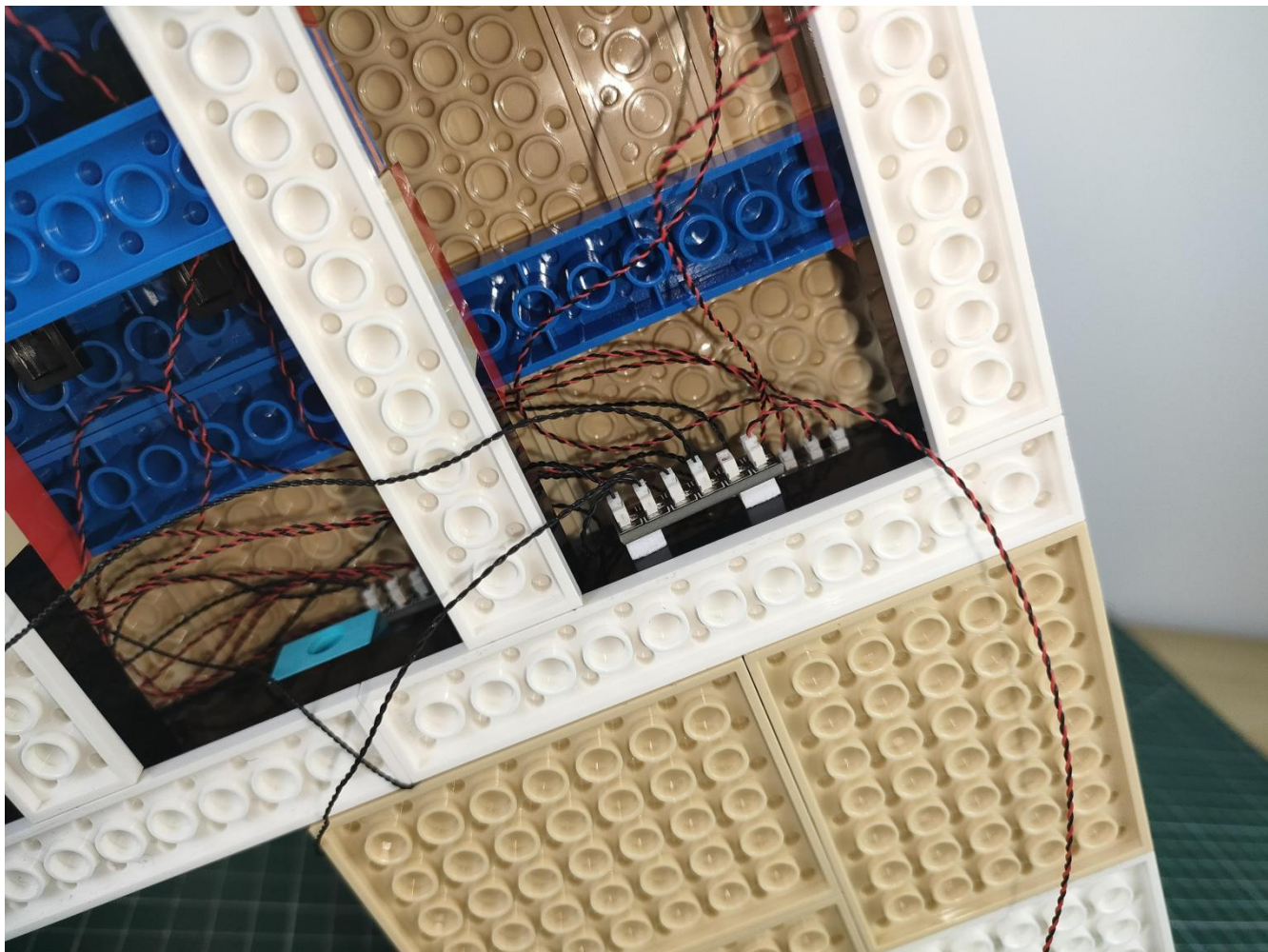














**The installation is complete.**



**The above are ideas and instructions provided by our designers. Please move on:**

- 1: Do you have any suggestions about the material and quality of our products?**
- 2: Do you have any suggestions on the installation instructions and the degree of difficulty of the installation?**
- 3: If you have better installation method and ideas, please contact us in time.**