

# 42131 Cat D11 Bulldozer

## LED lighting Kit (Remote Control Version)

### P30802

#### Installing Instructions:



Please follow below two parts to finish the installation of the lighting

**Step 1 : Test**

**Step 2 : Installation**

**Let us start.**

## Step 1 : Test

The lighting materials are as follows, please confirm the quantity of lighting.

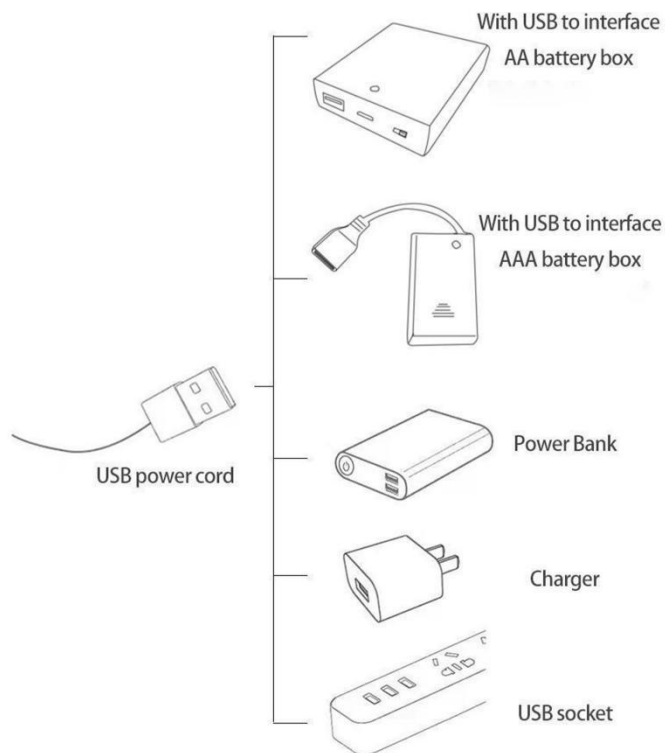
Quantity	Attribute name
6	Bit Lights-30CM-White
2	Headlights-30CM-Warm White
5	LED Strip Lights-Red
1	LED Strip Lights-White
3	6-Port Expansion Boards
1	2-Port Expansion Boards
1	AA Battery Pack
1	USB Power Cable-50CM
2	Connecting Cables-5CM
4	Connecting Cables-30CM
4	Connecting Cables-20CM
2	Flashing Bit Lights-30CM-Red
1	Light Strips-Cyan -28
1	Remote Control Switch Module
	Other parts

This set has a total of 14 bags. Take out the USB power cord and a 6-seat expansion board, and then tear off the seal of the expansion board. Coming with usb cable and battery box for choose, can be powered by power bank/wall charger or you can also use it with the battery.

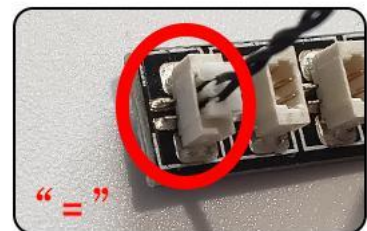
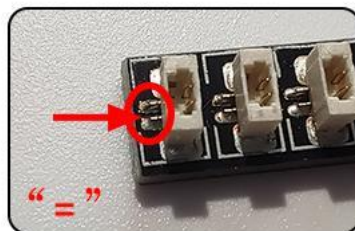
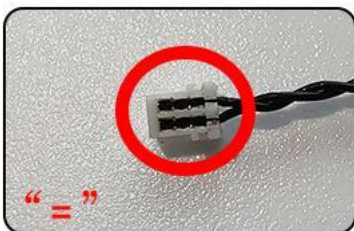


## Available power supply devices for USB power cord.

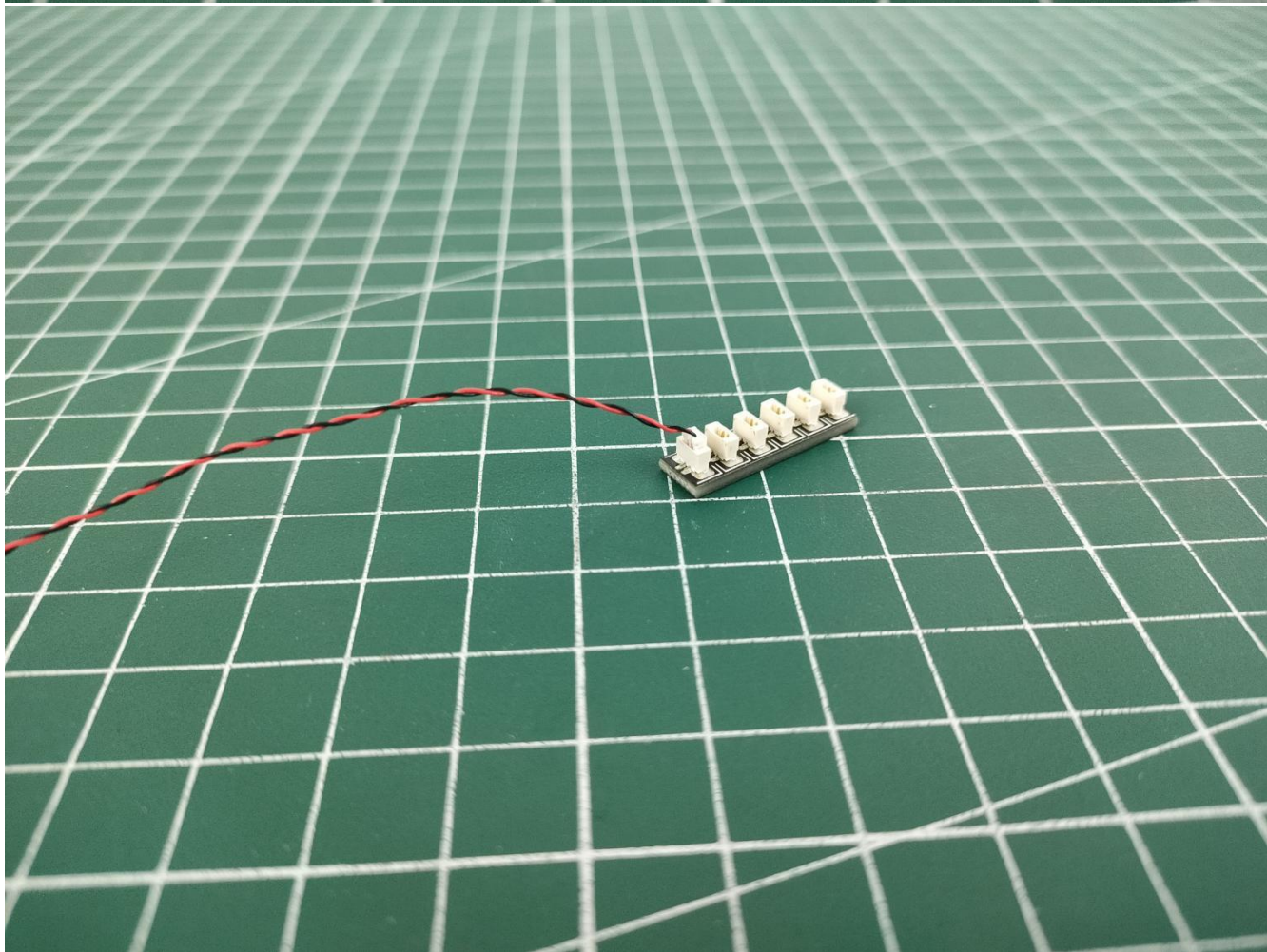
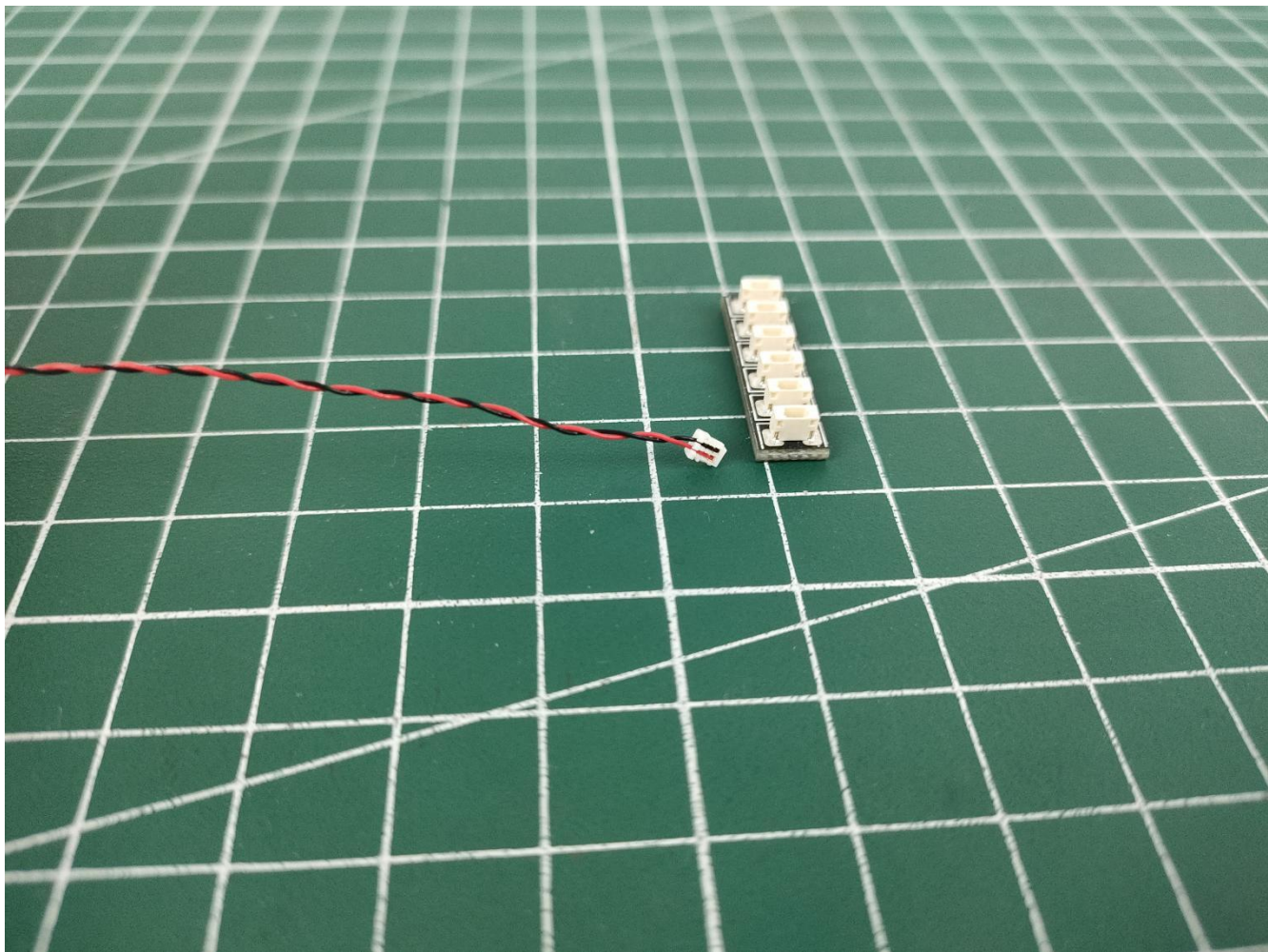
### USB connectors to connect devices



Please pay more attention and carefully using the connector for it is small. The “=” of the 2P interface is aligned with the “=” of the expansion board. The “=” on the expansion board refers to the two outside solder joints, not the two metal pins inside the jack.



Connect the USB power cord and expansion board together.



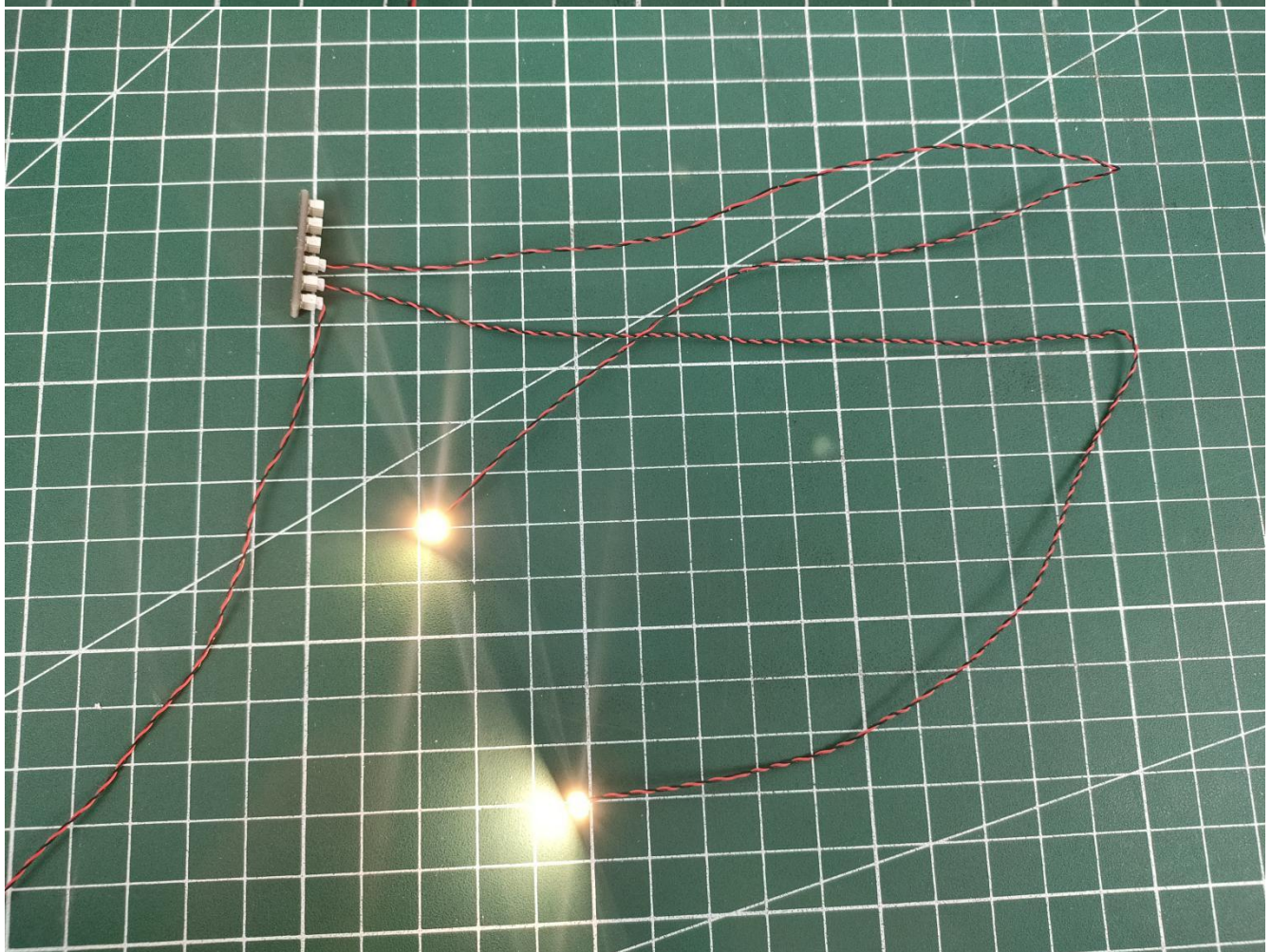
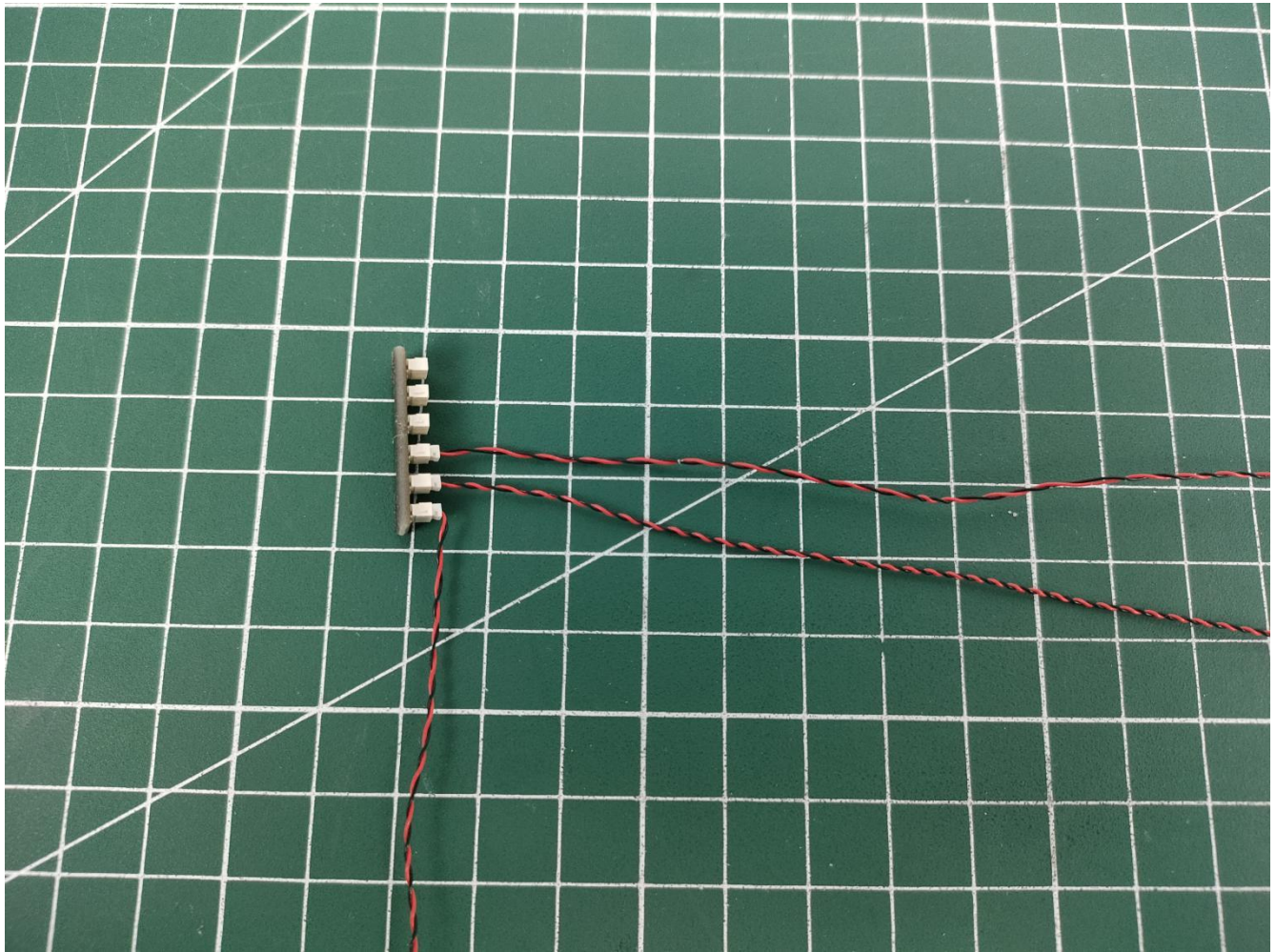
**Connect the other side of the USB power cord to the mobile power supply (power prepare by yourself).**



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

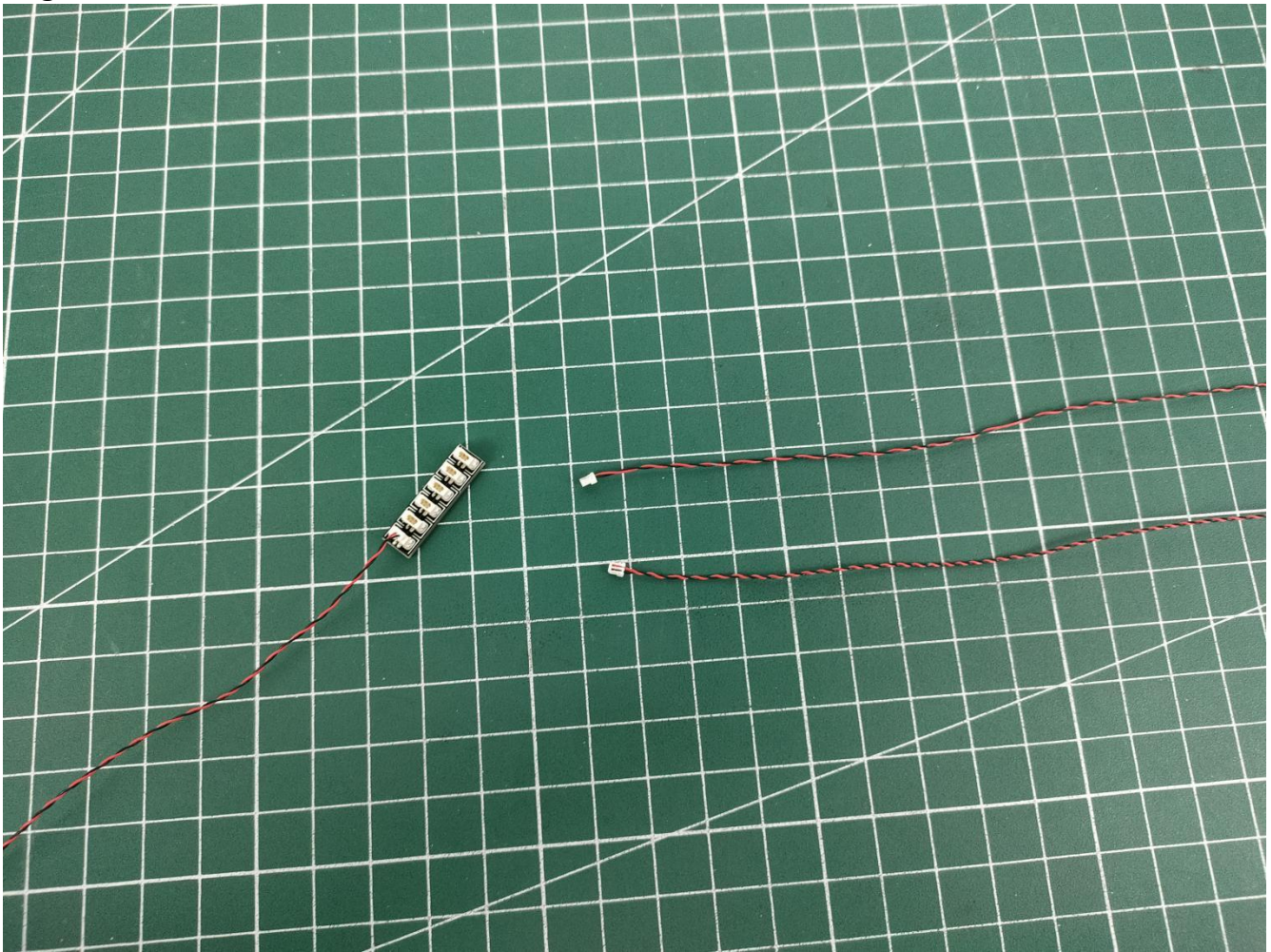


**Connect the lighting to the expansion board then turn on the power switch. Testing whether the lighting is normal, if there is any problem, please contact us timely.**





**Unplug the lighting from the expansion board after finish testing and put it in back to the bag.**

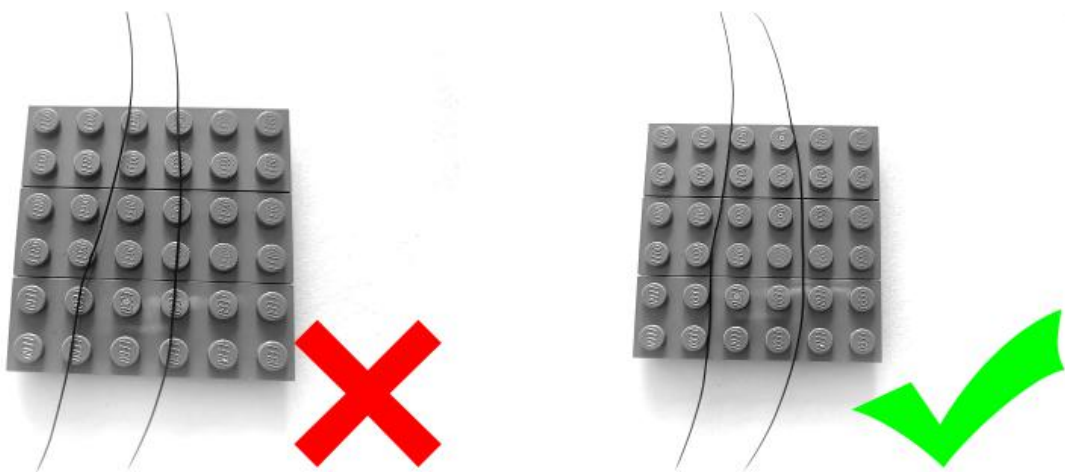


**Put the okay lamp pellets back in the original packaging bag. To avoid the lighting kit can not work normally, please follow above method to test the other packs lighting kit before install it.**



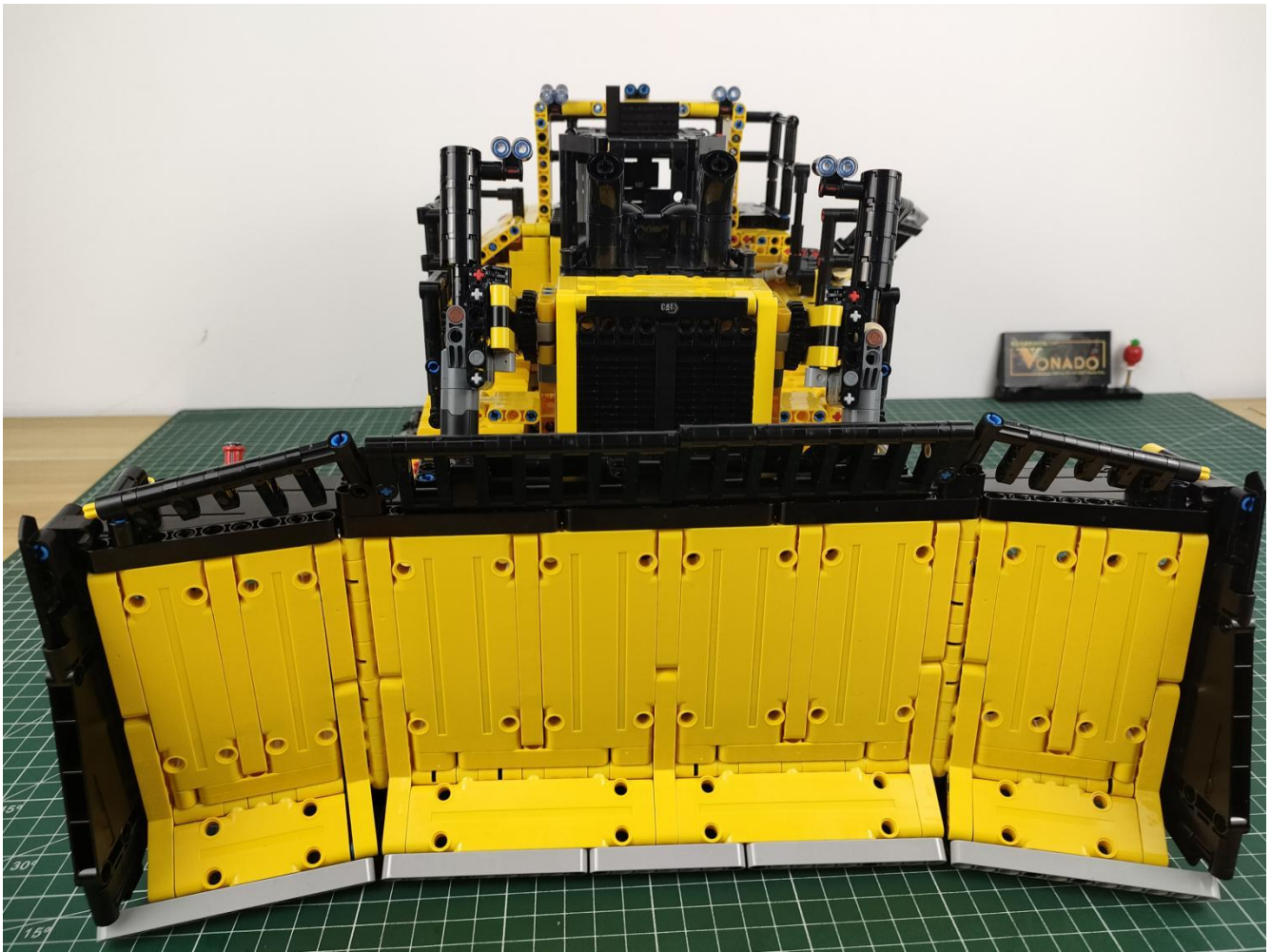
### Attention:

Please be careful when installing since the lamp thread is slender. Cannot be pressed against the raised position of the building block. It should pass along the gap, otherwise the lamp wire will be pinched.

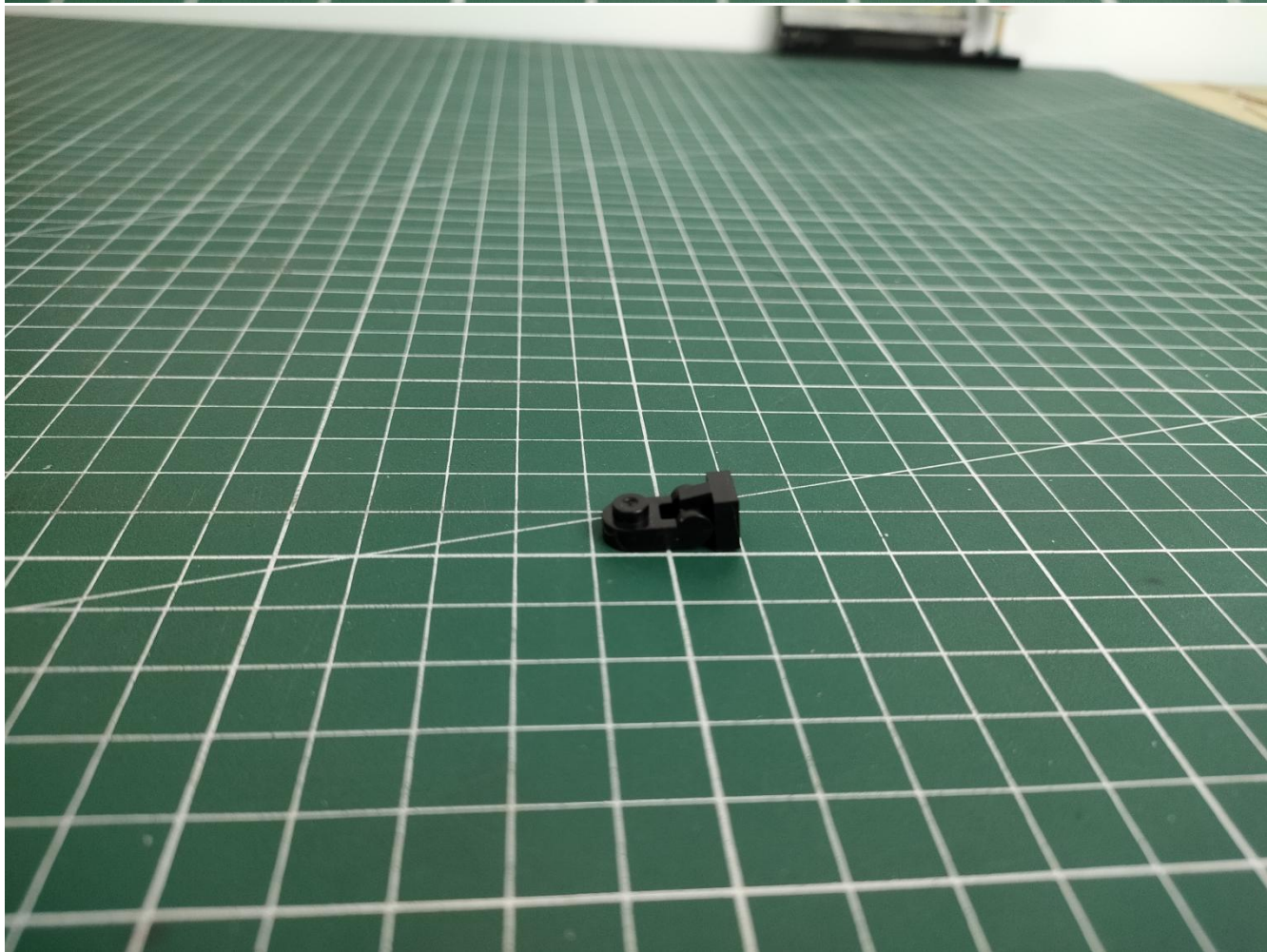
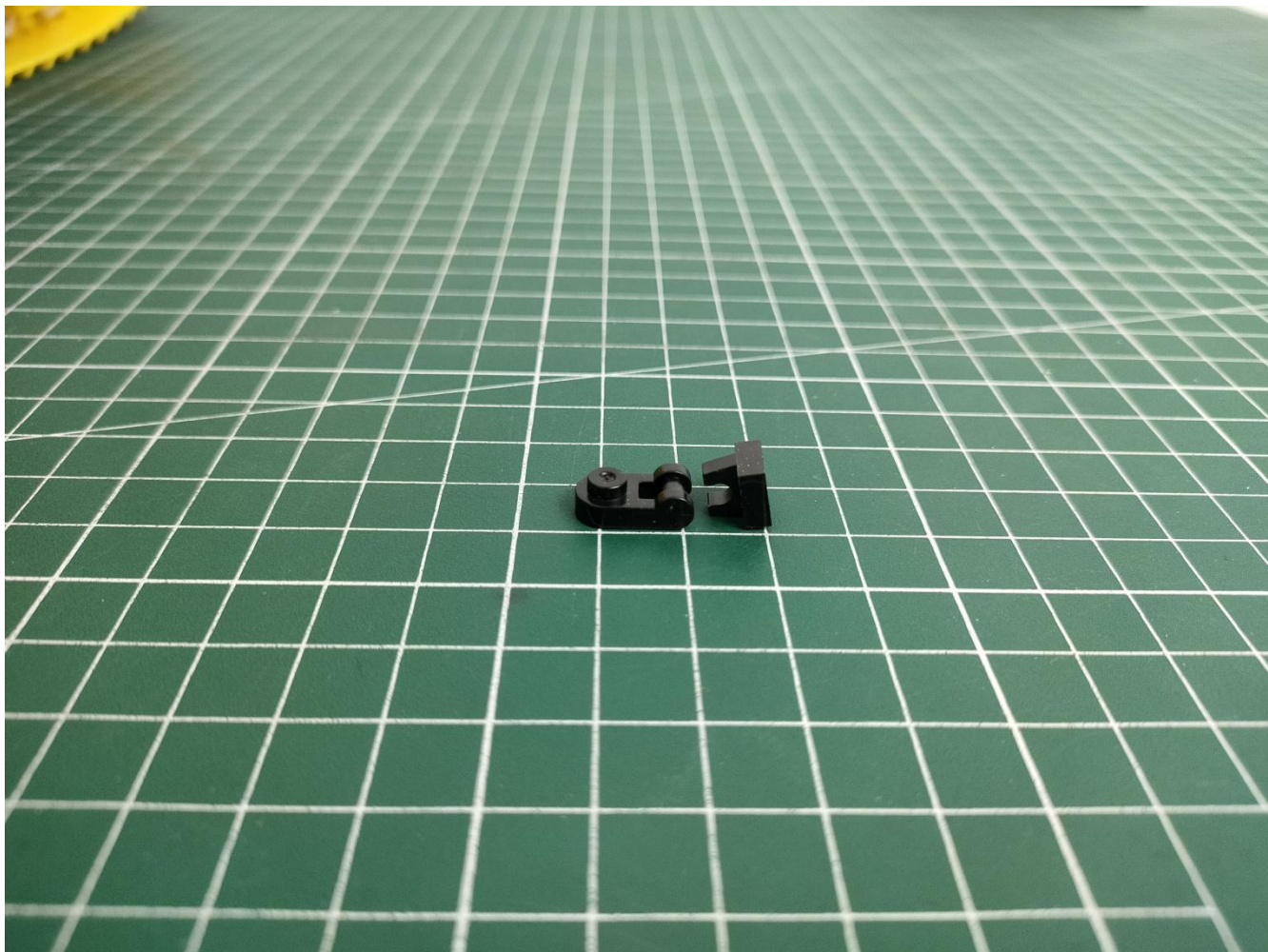


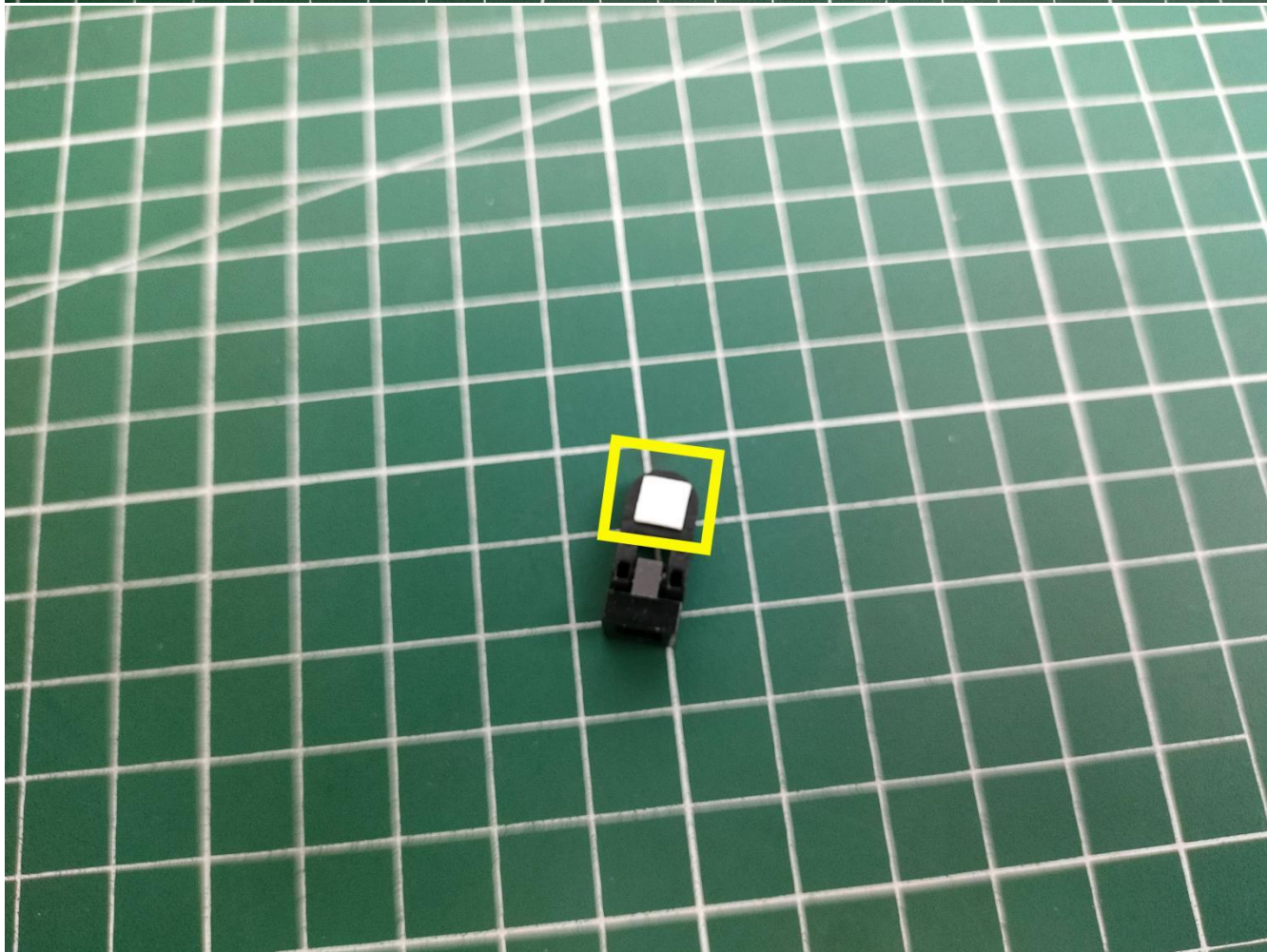
### Step 2 : Installation

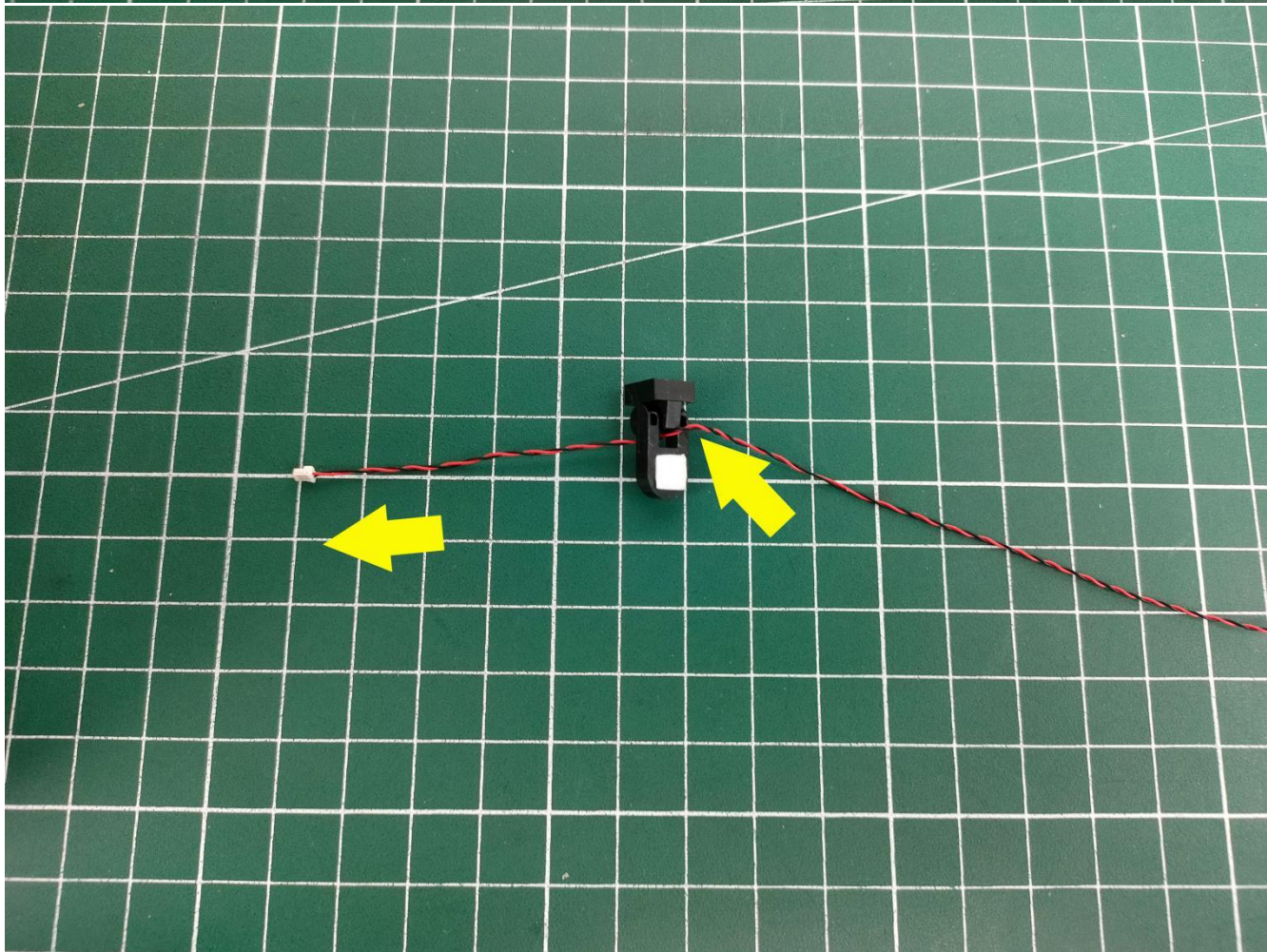
start installation:

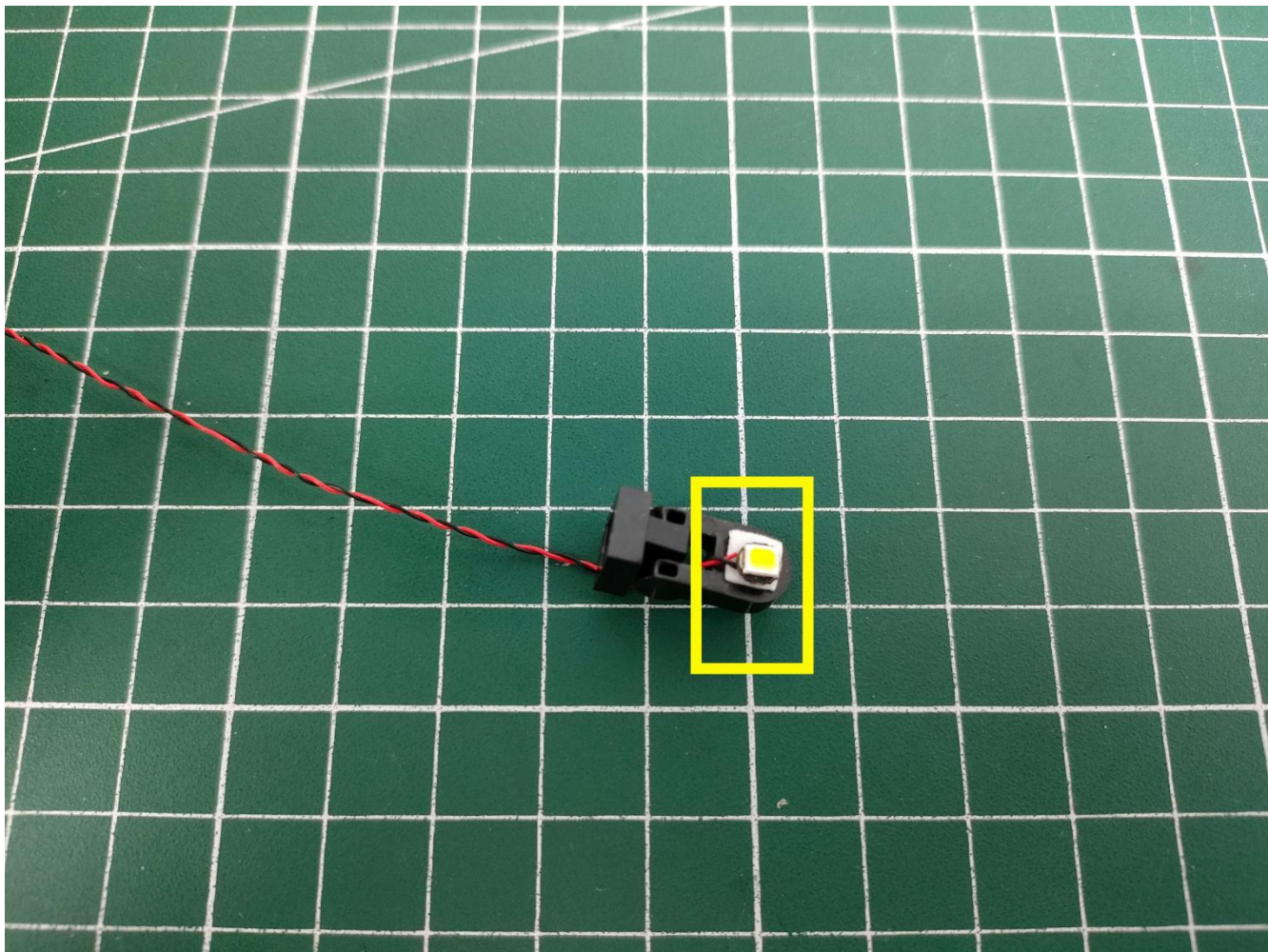




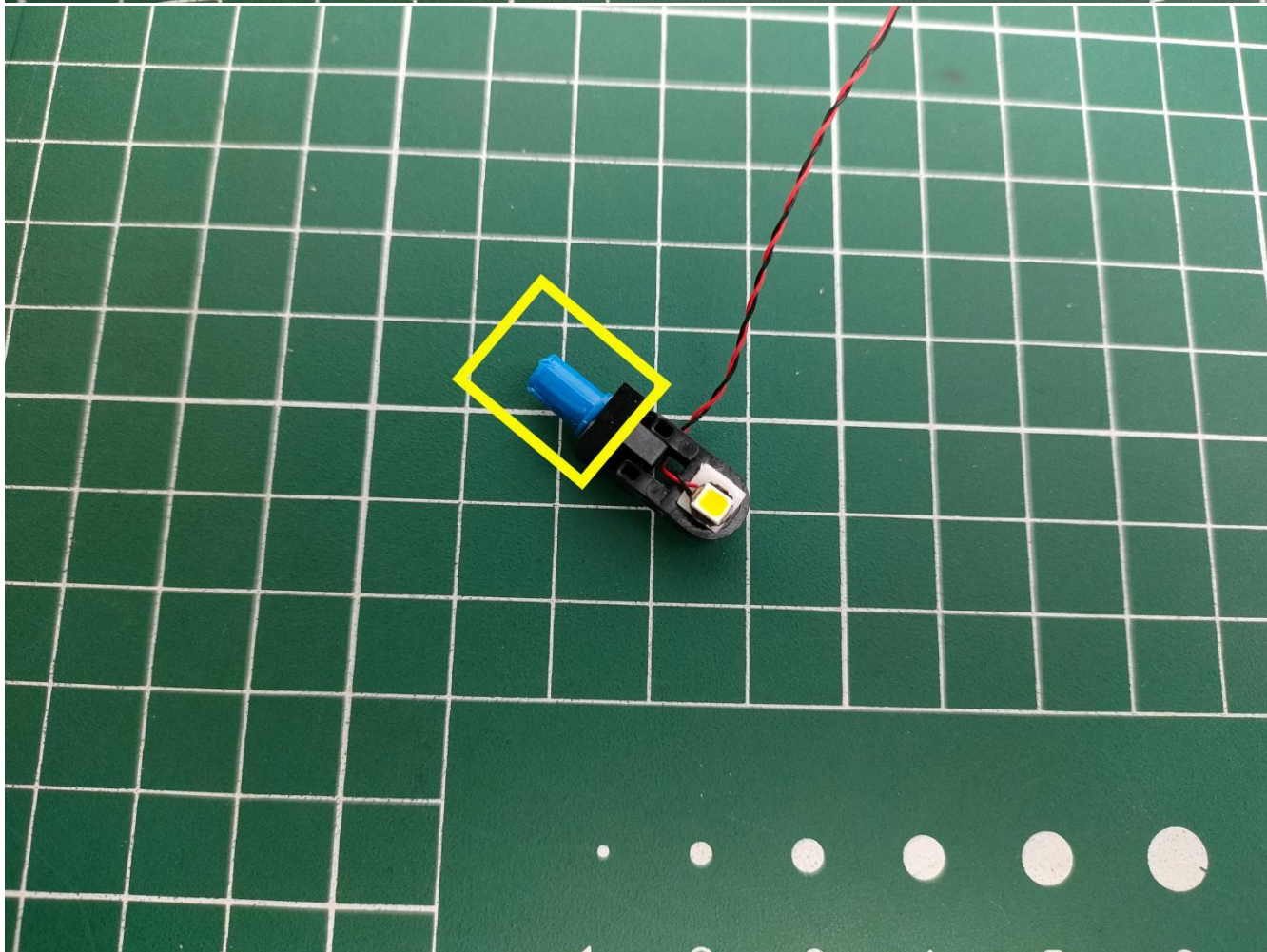
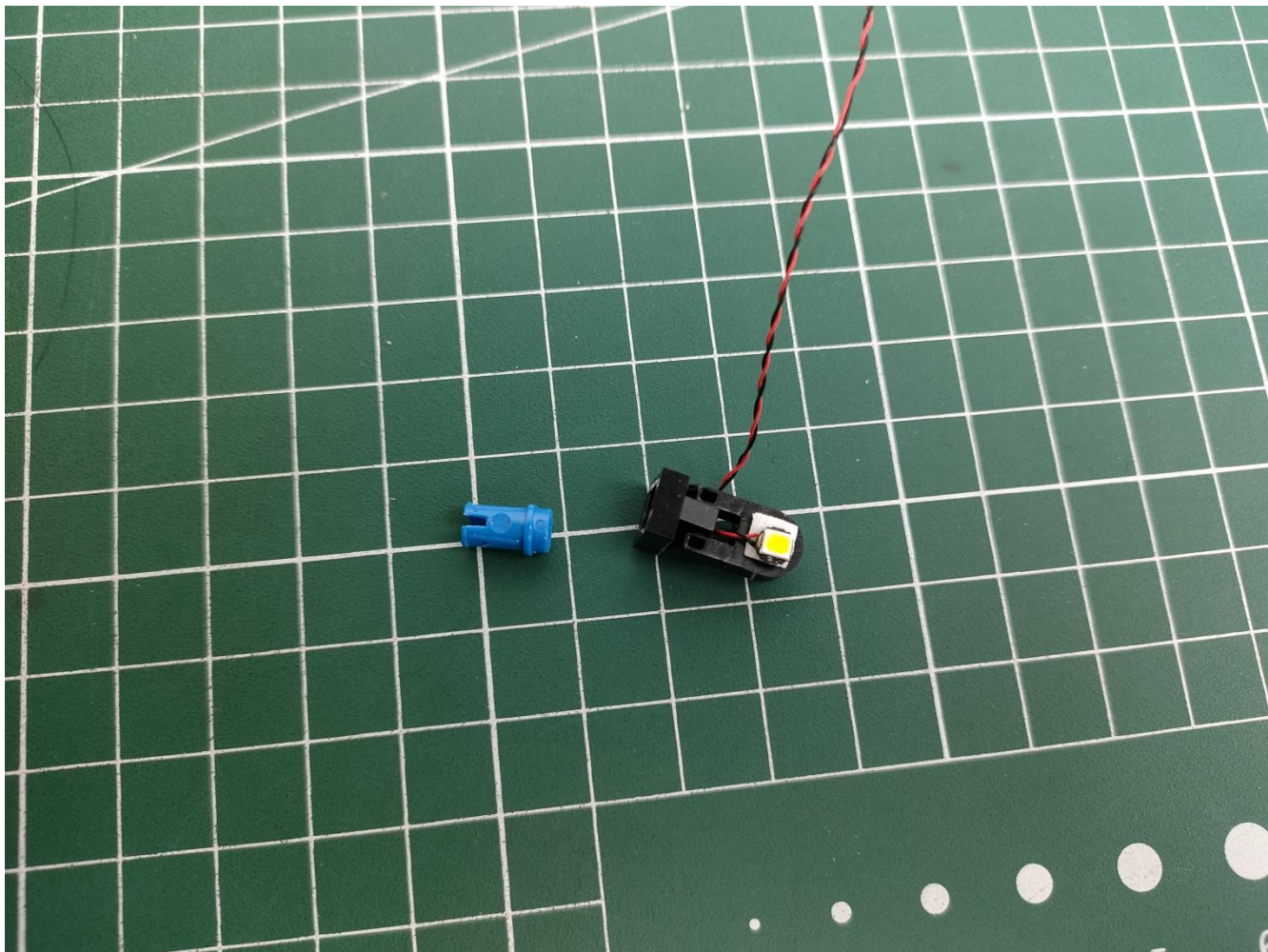


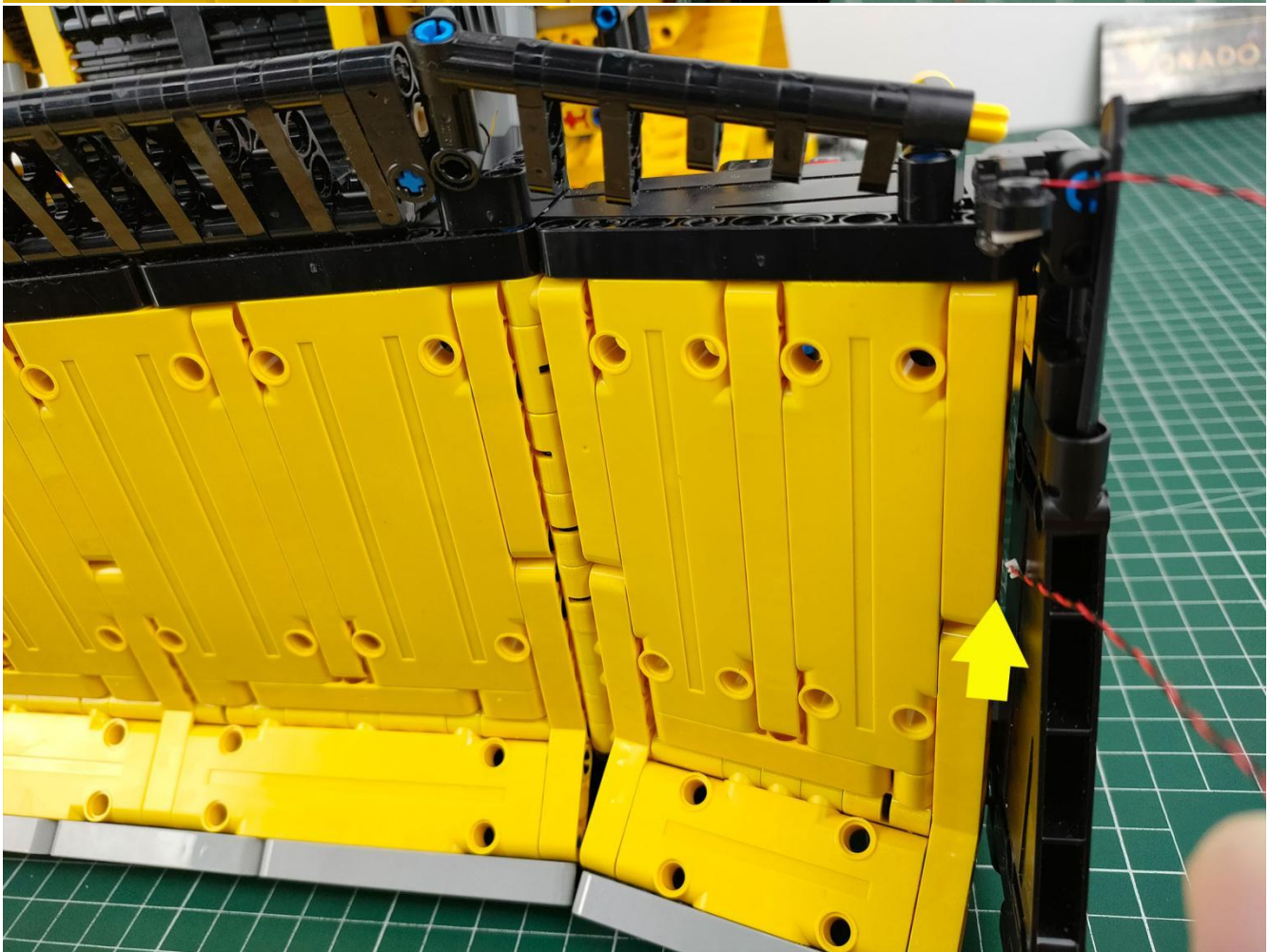
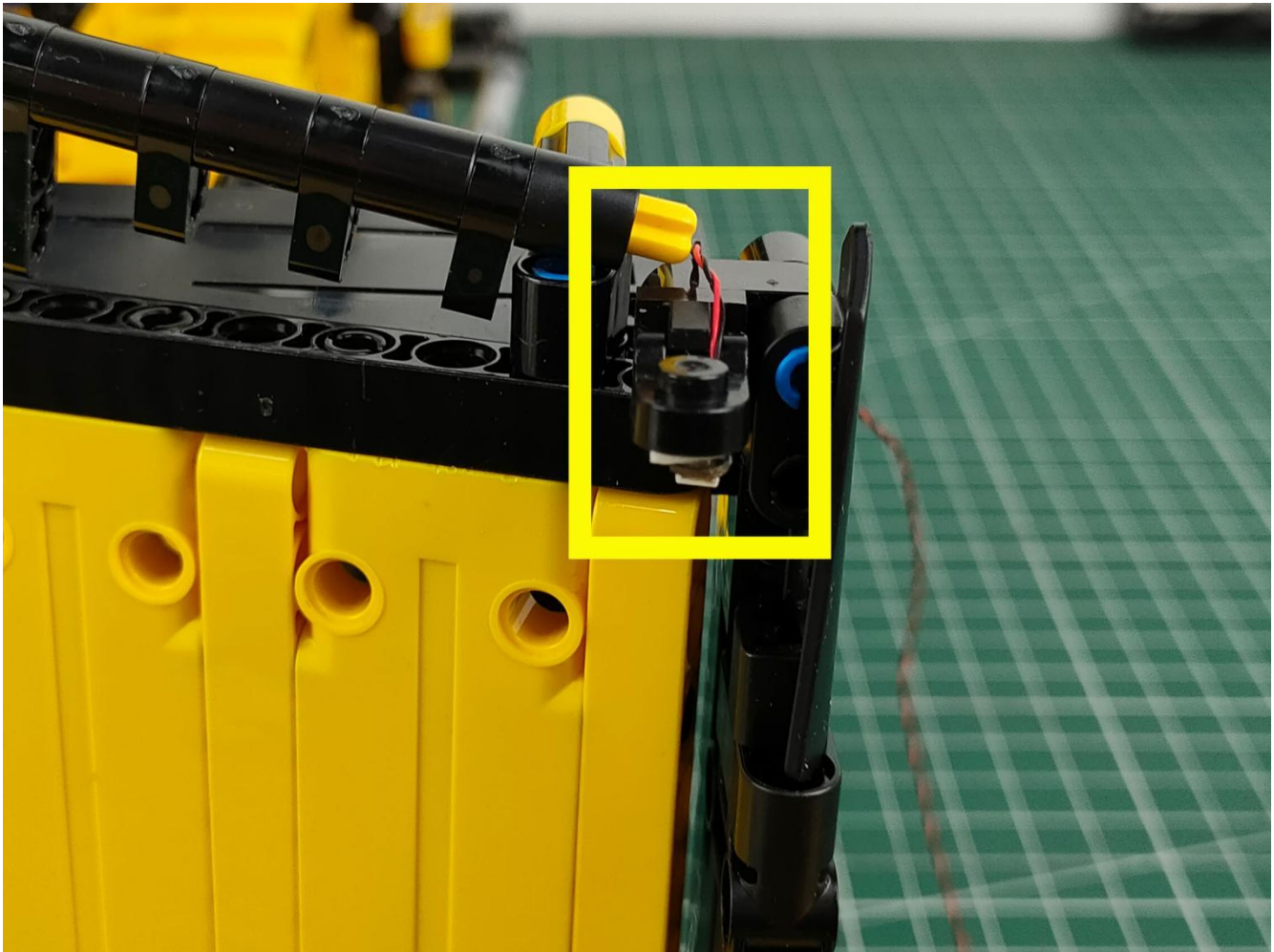


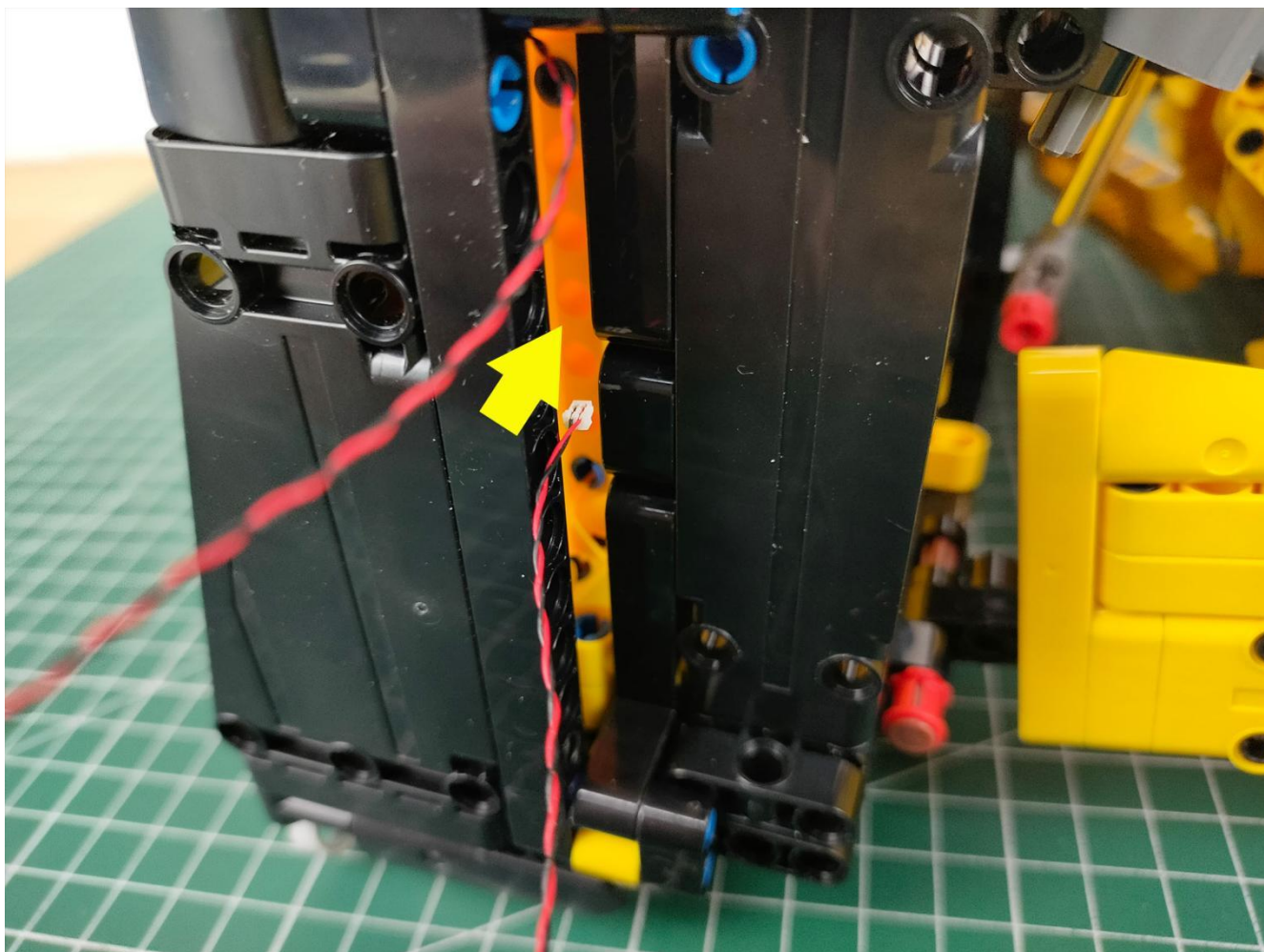




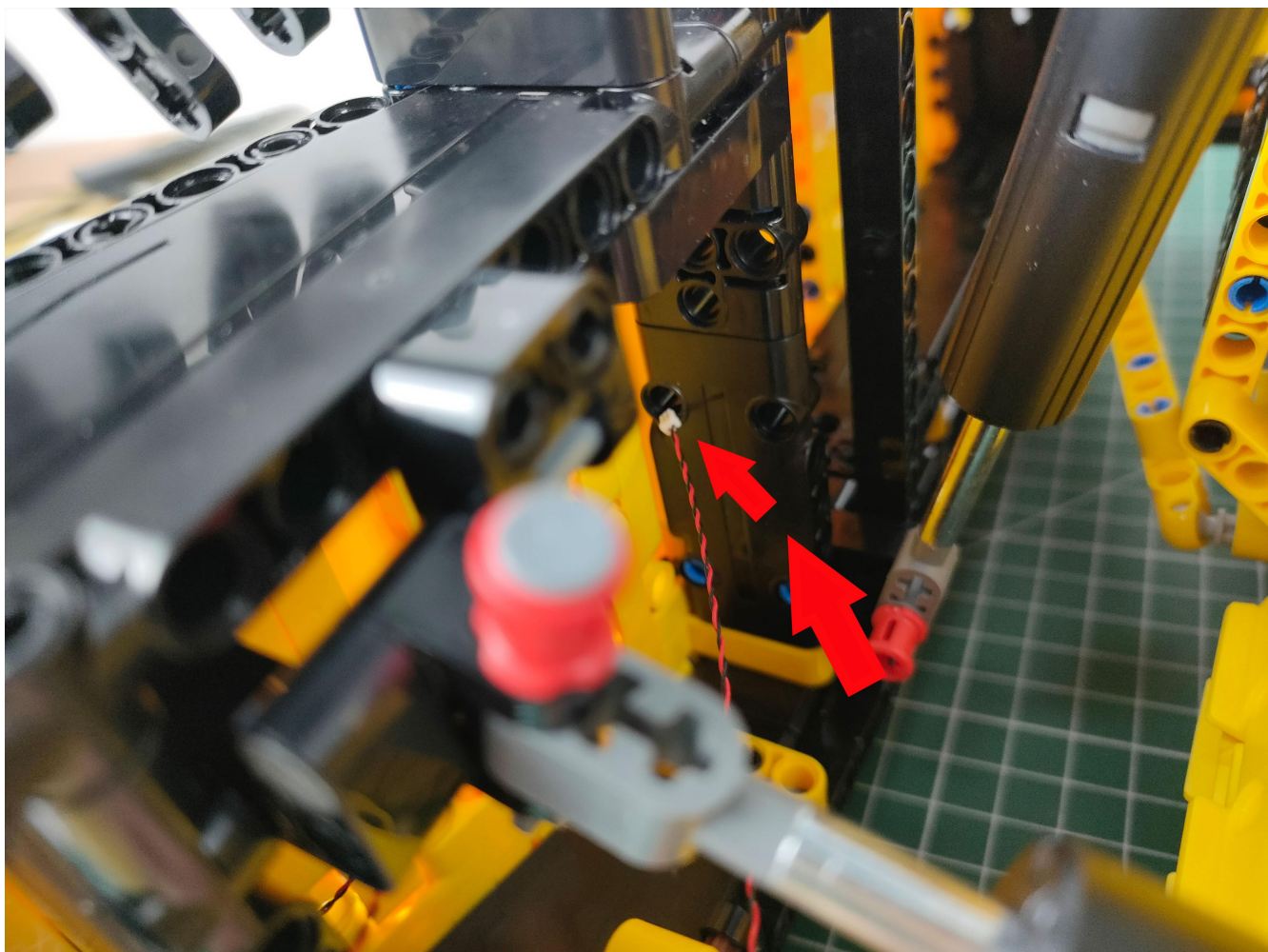








**Pull the light wire towards the back of the shovel and finally thread the light wire through the small hole in the black block assembly.**

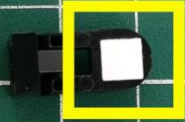


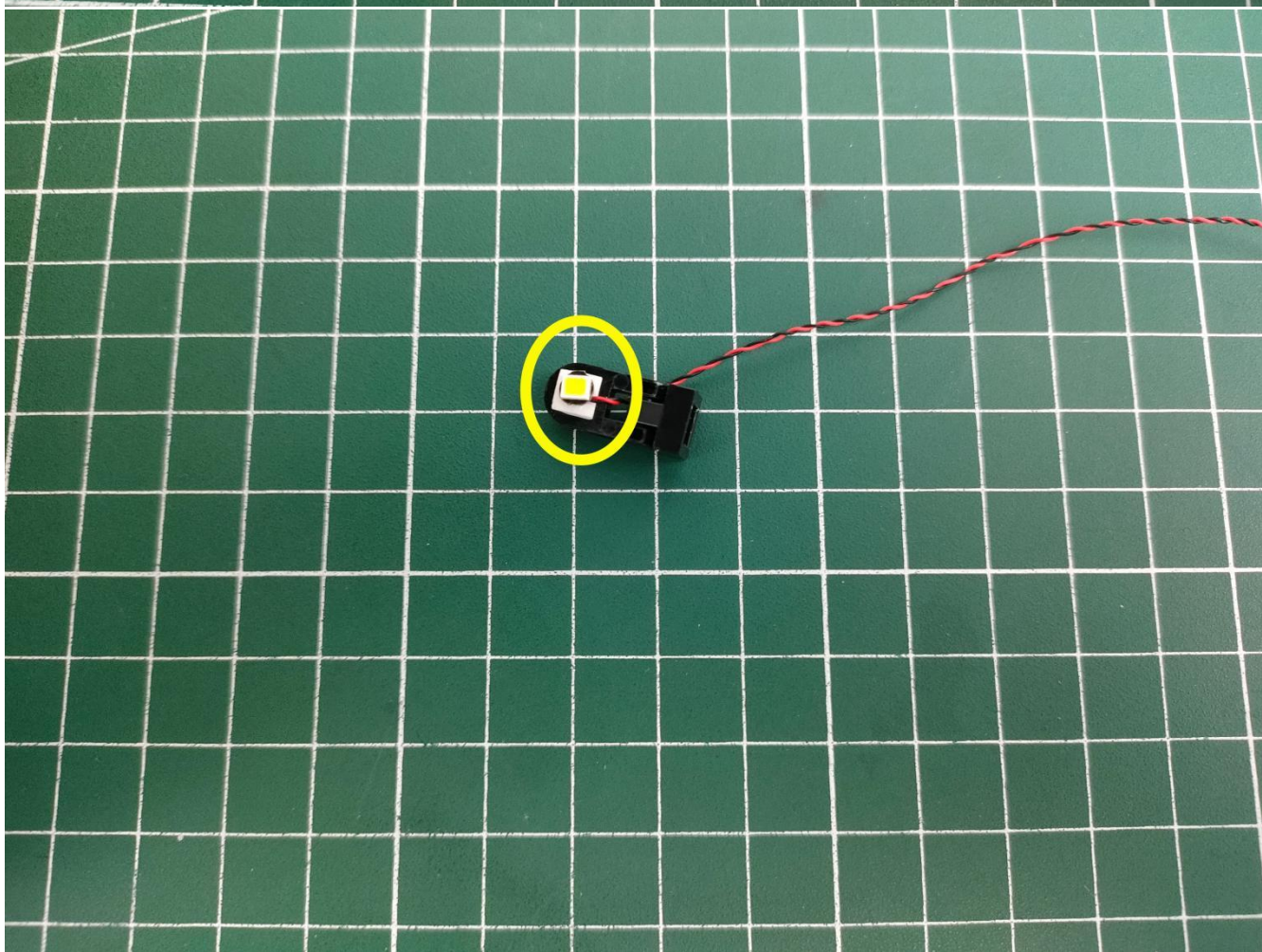
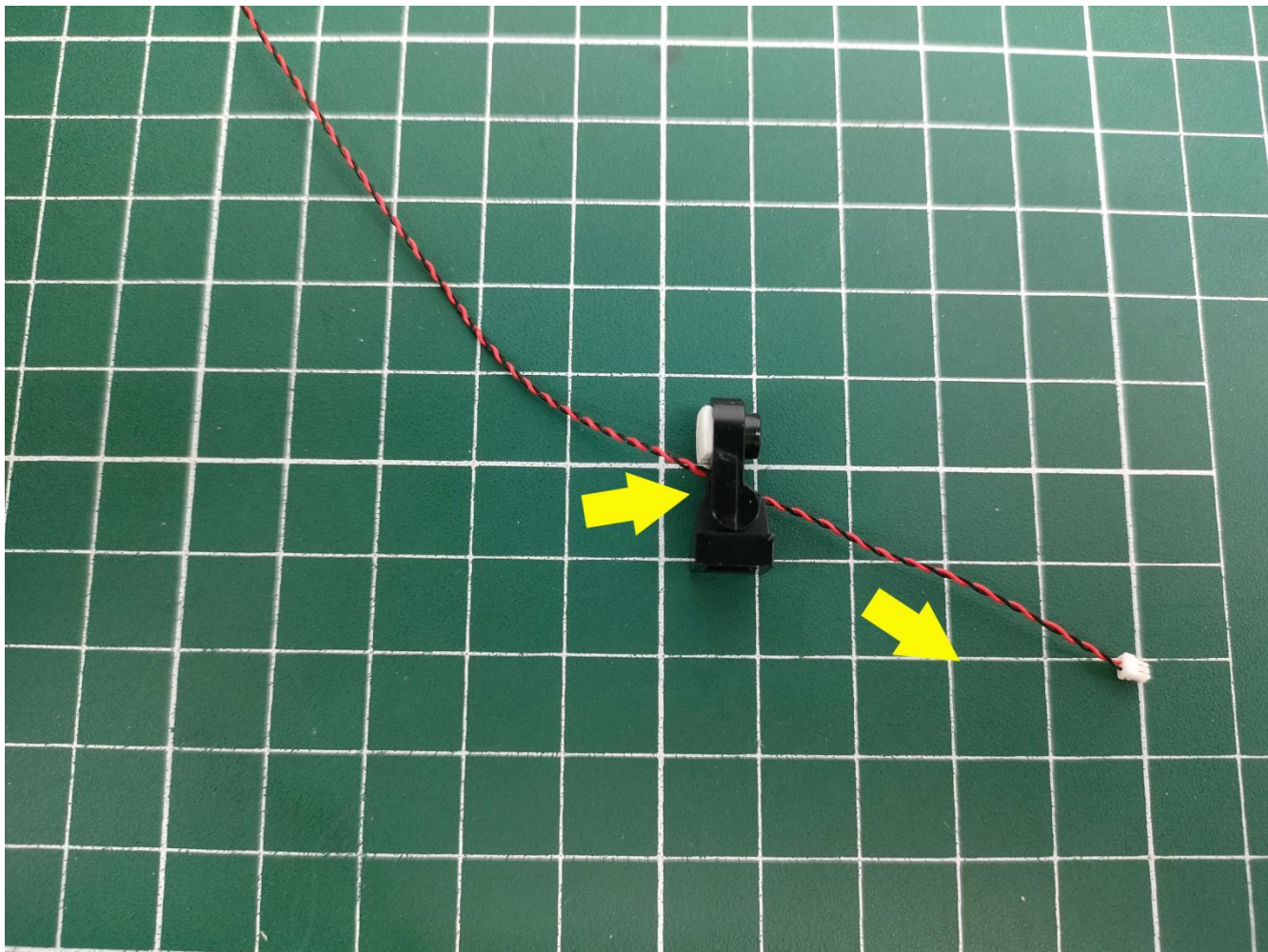


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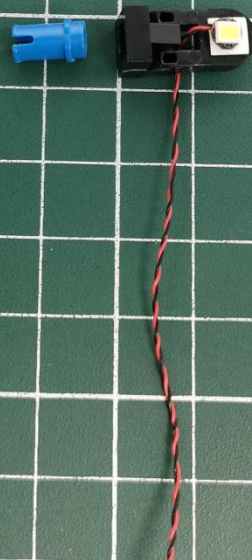


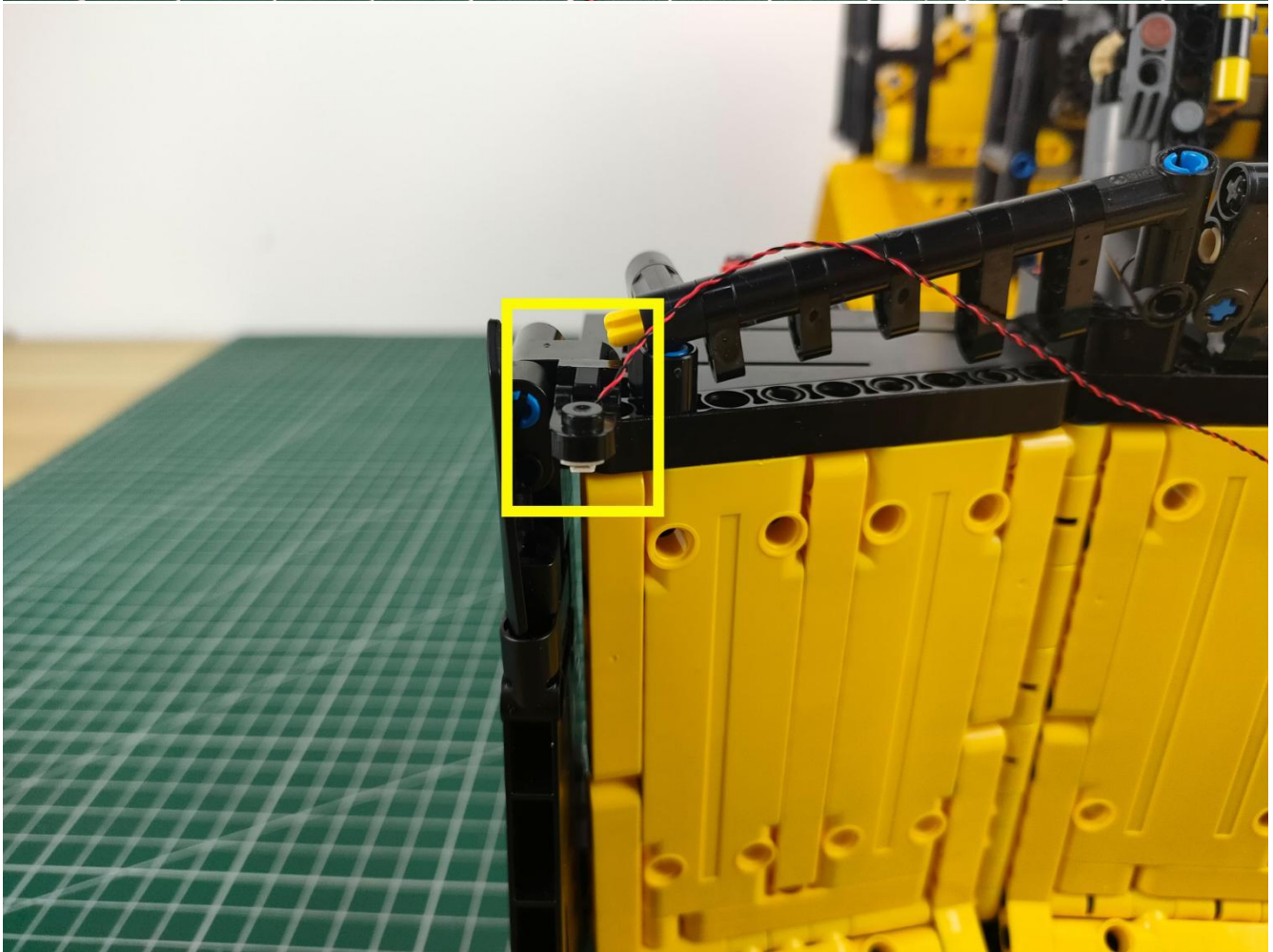
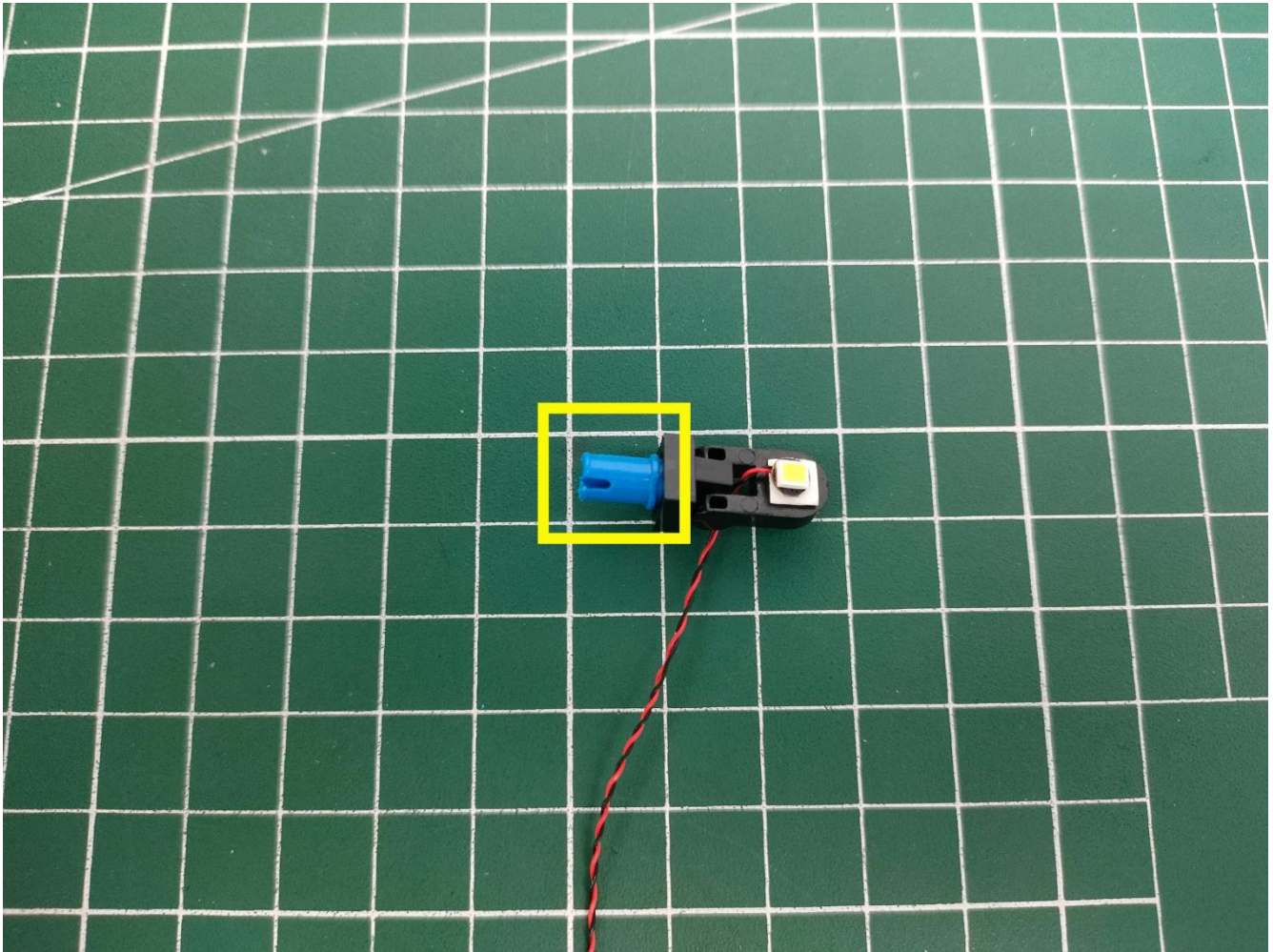


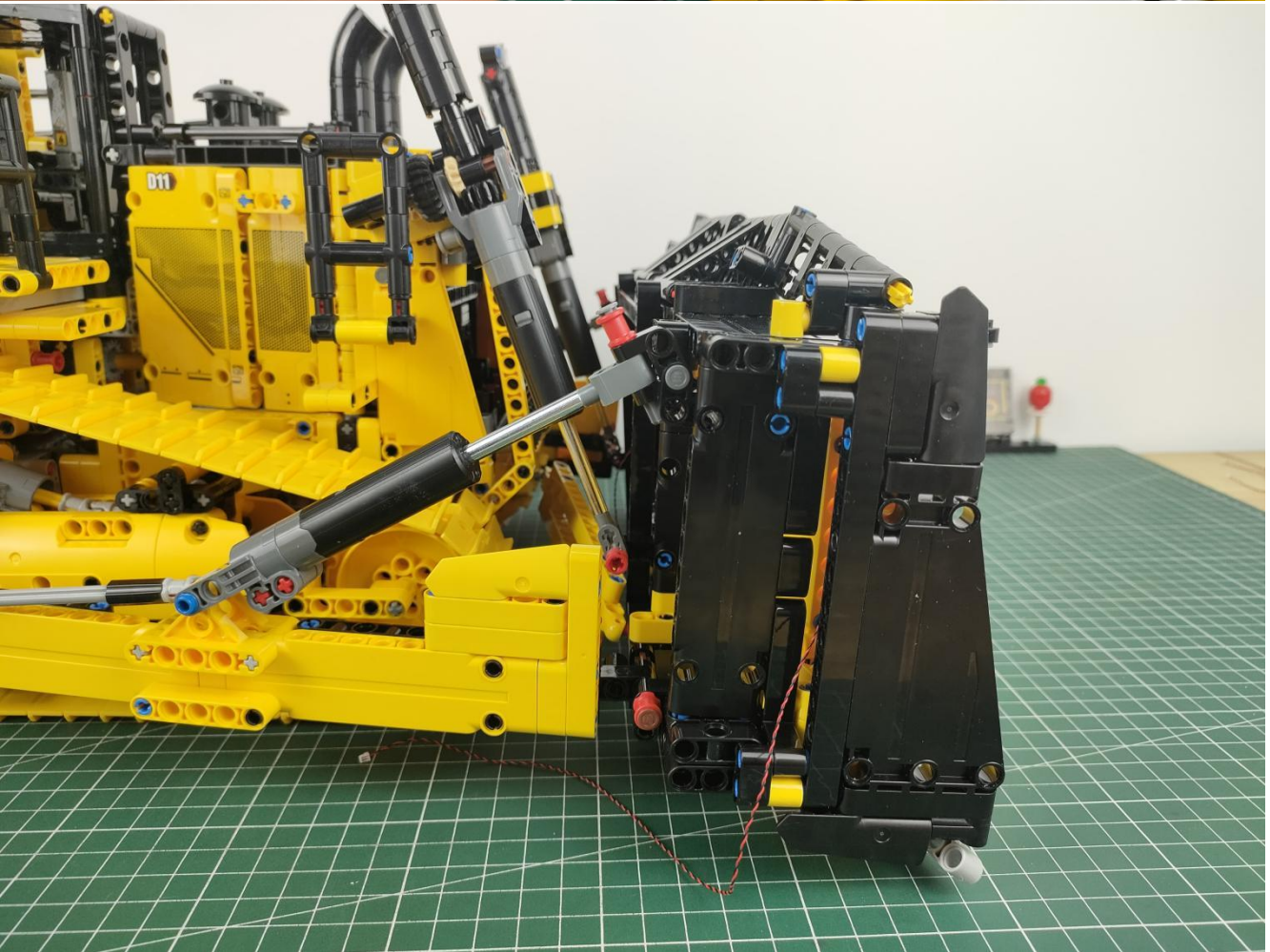
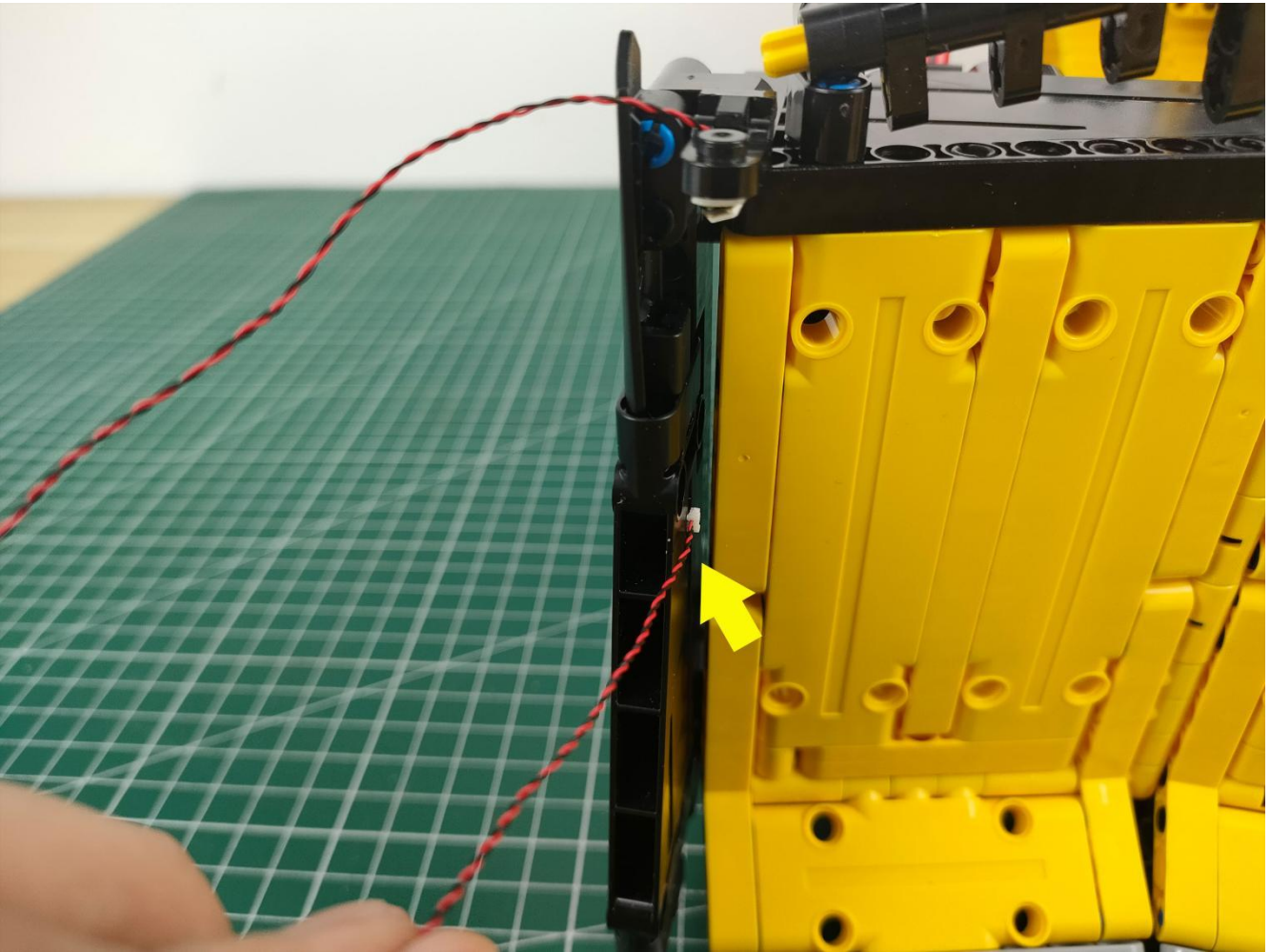


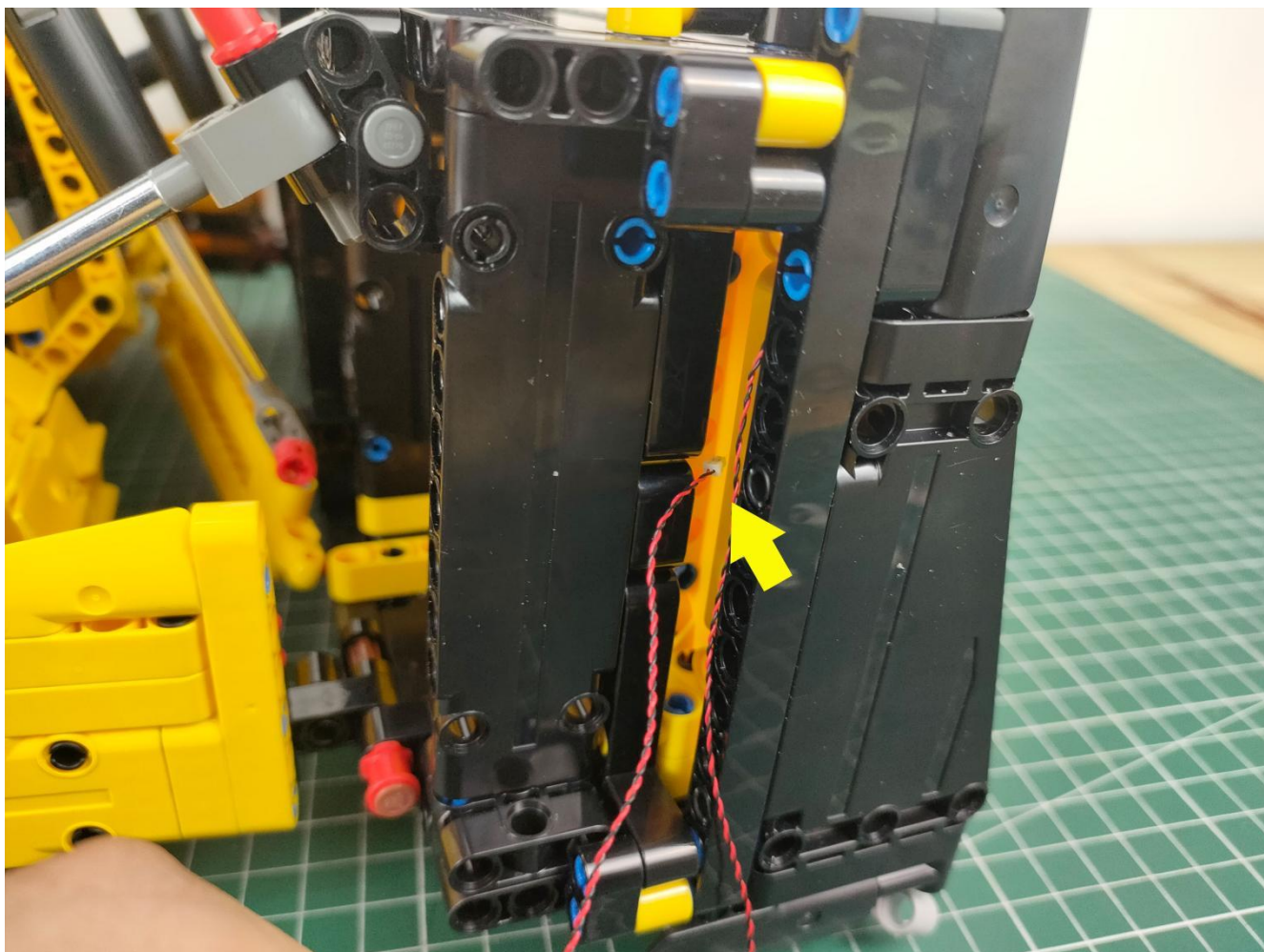




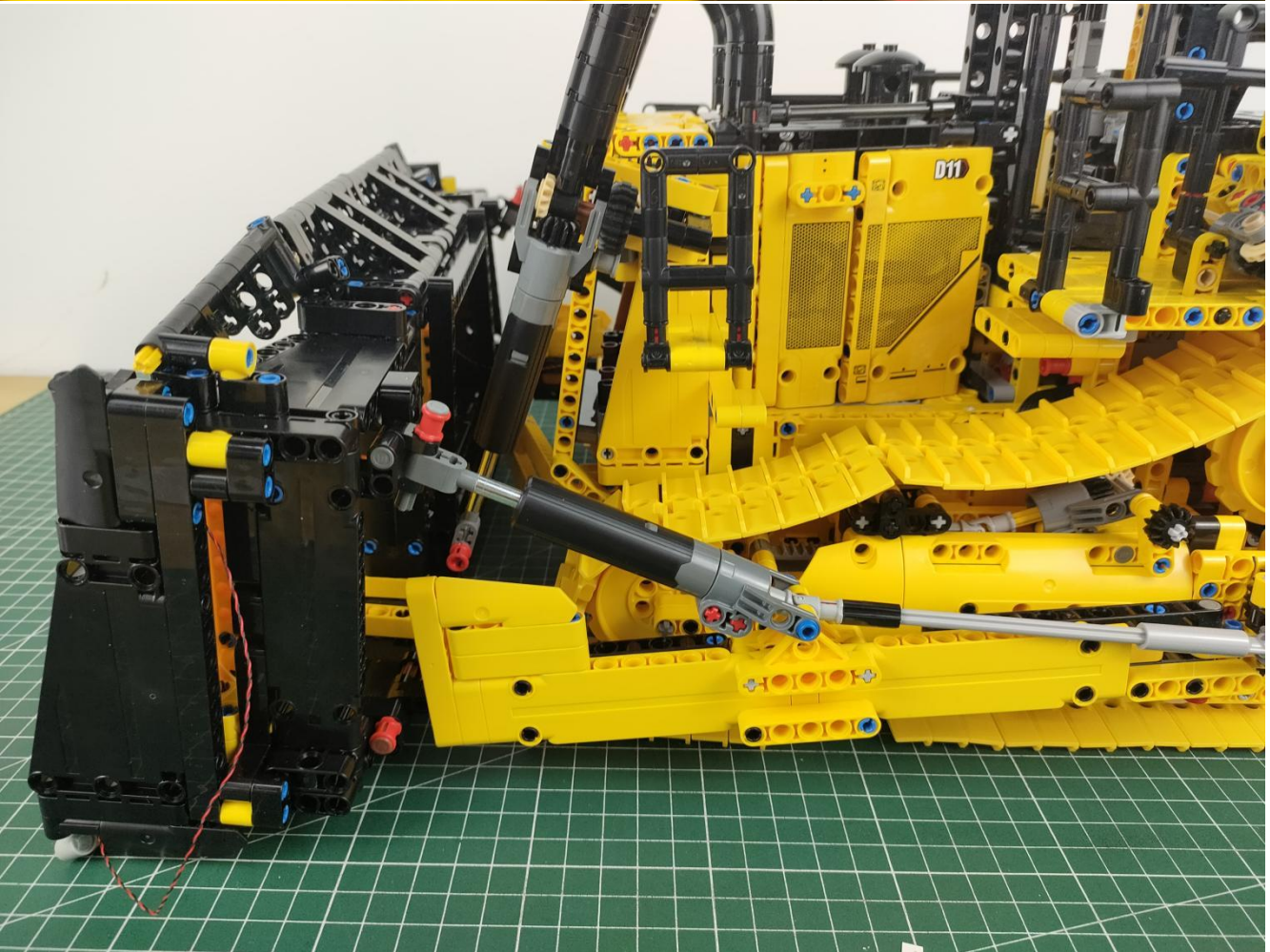
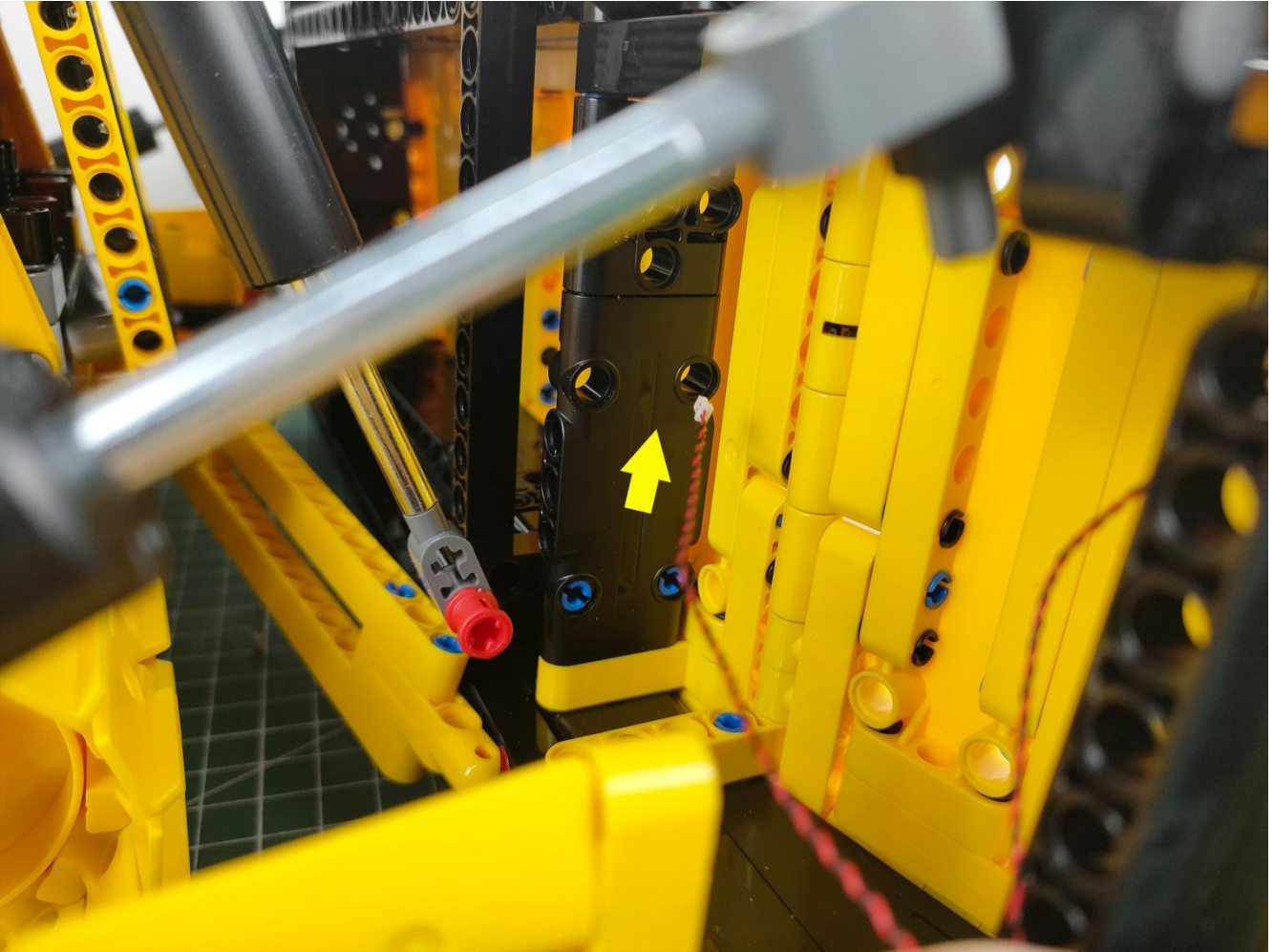




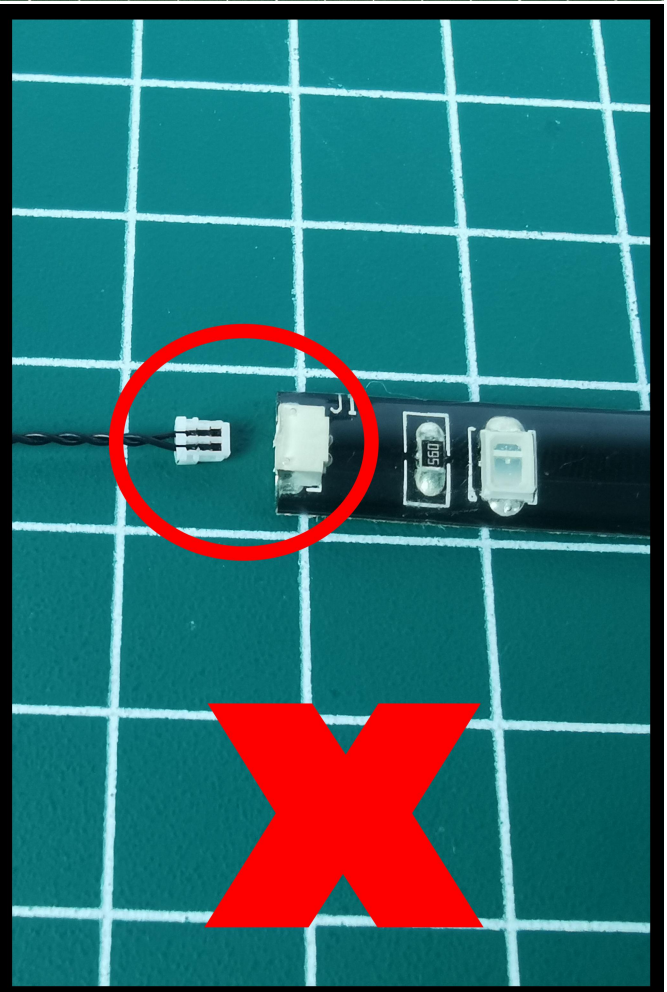
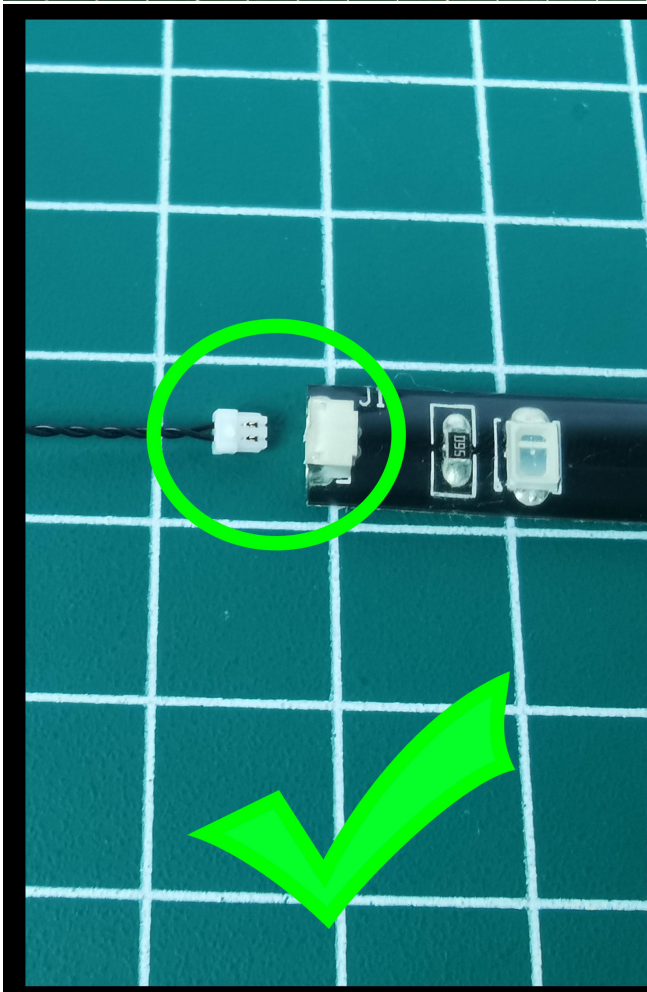


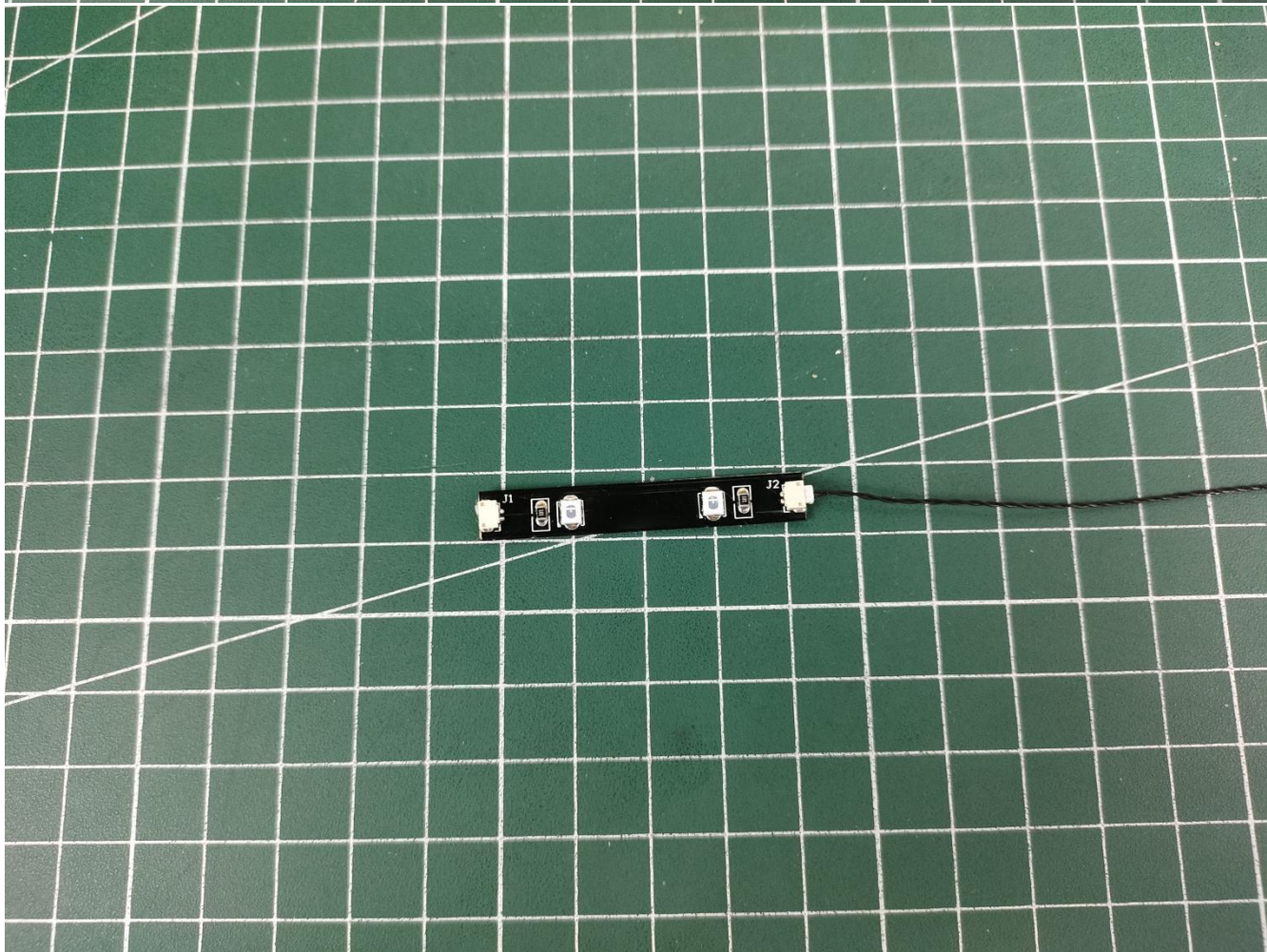
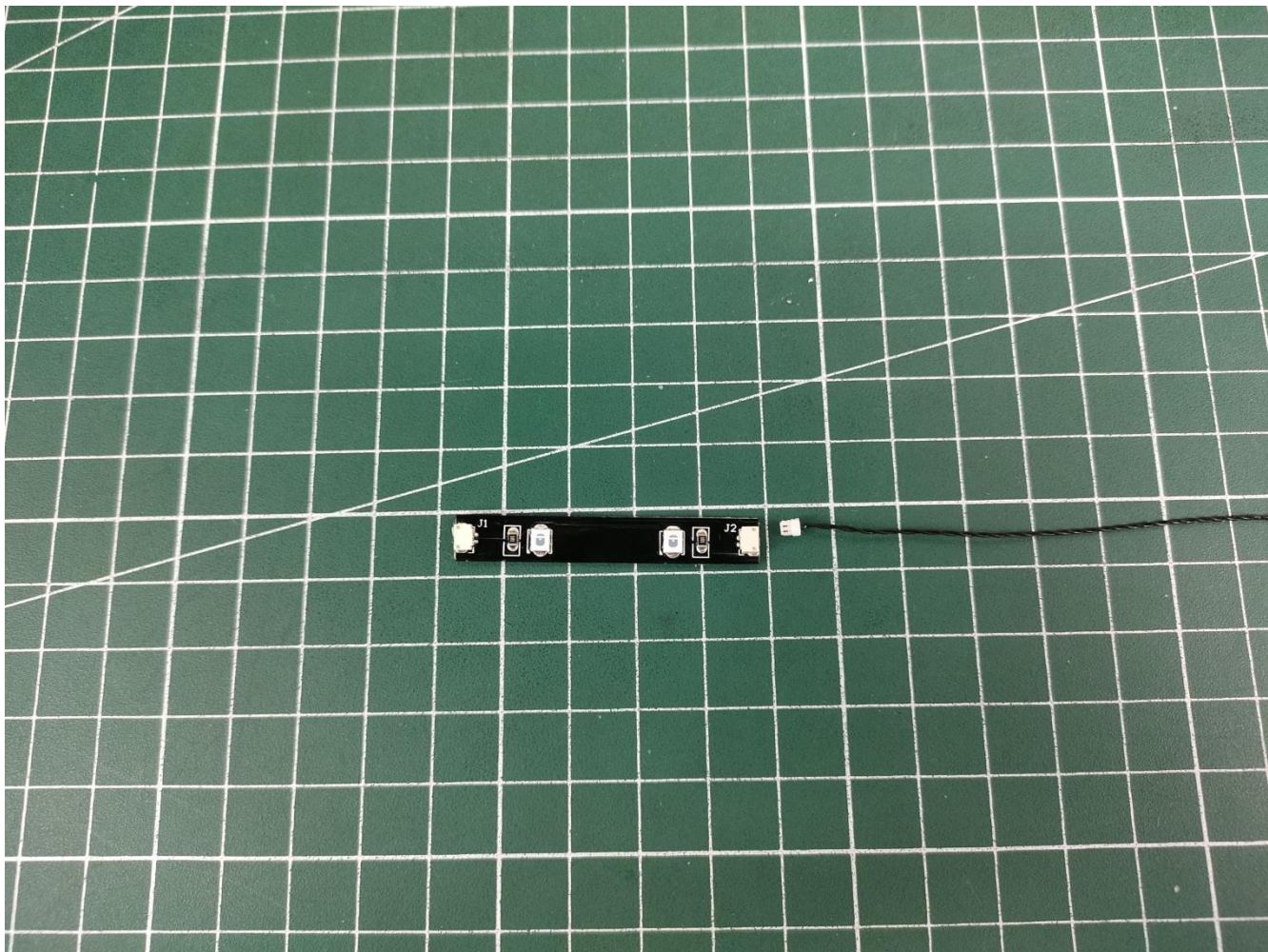


**Pull the light wire towards the back of the shovel and finally thread the light wire through the small hole in the black block assembly.**

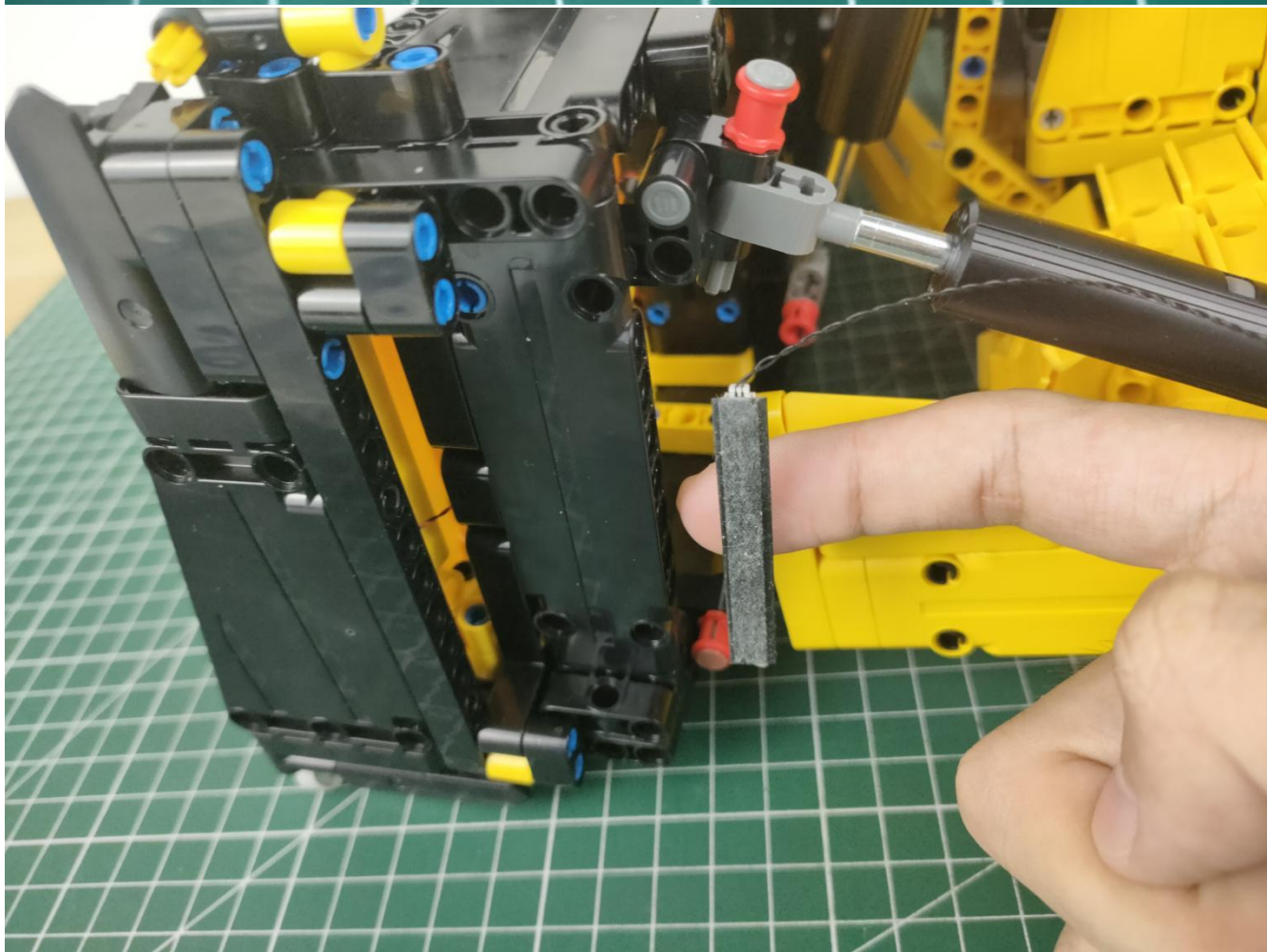
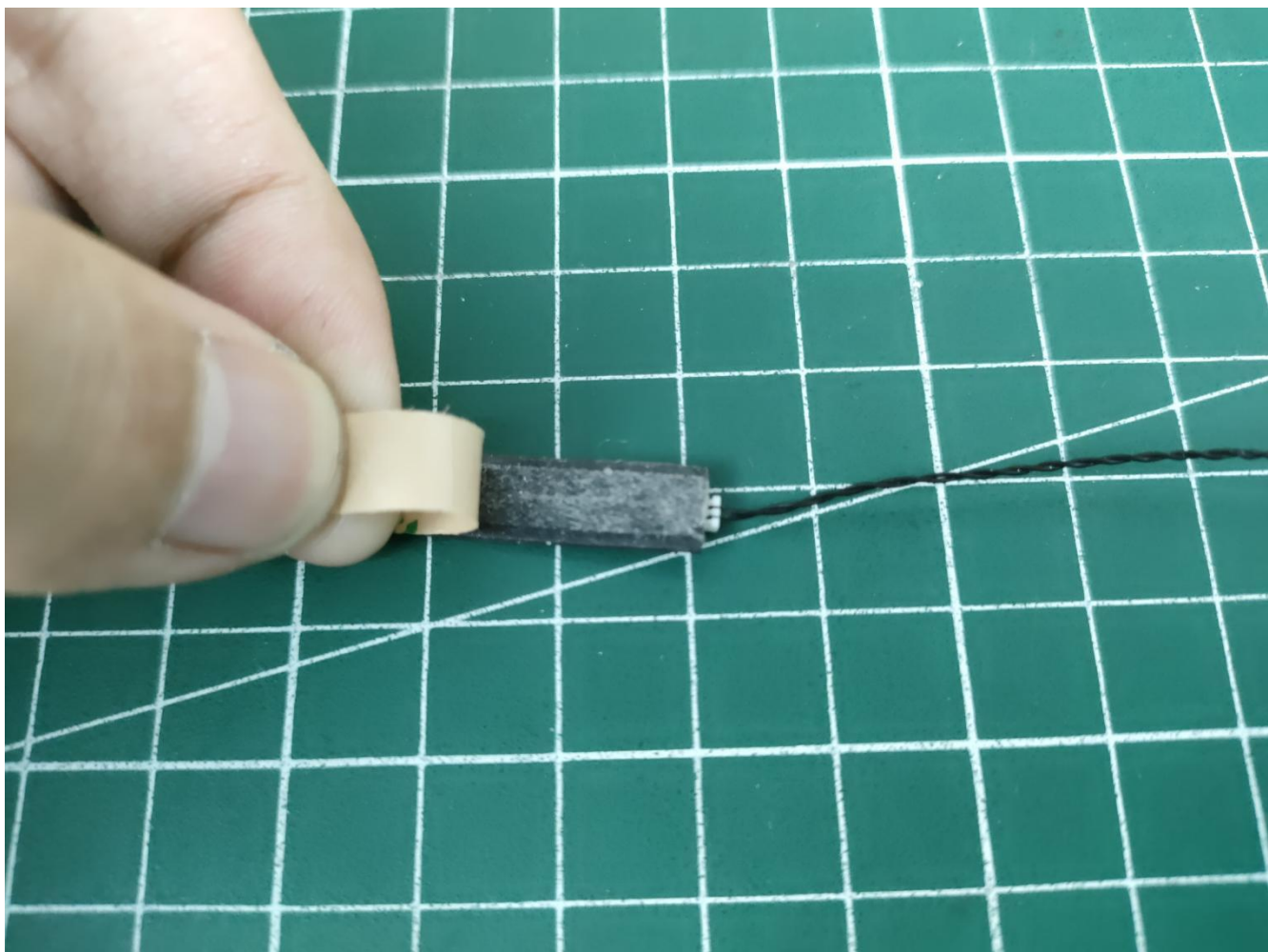


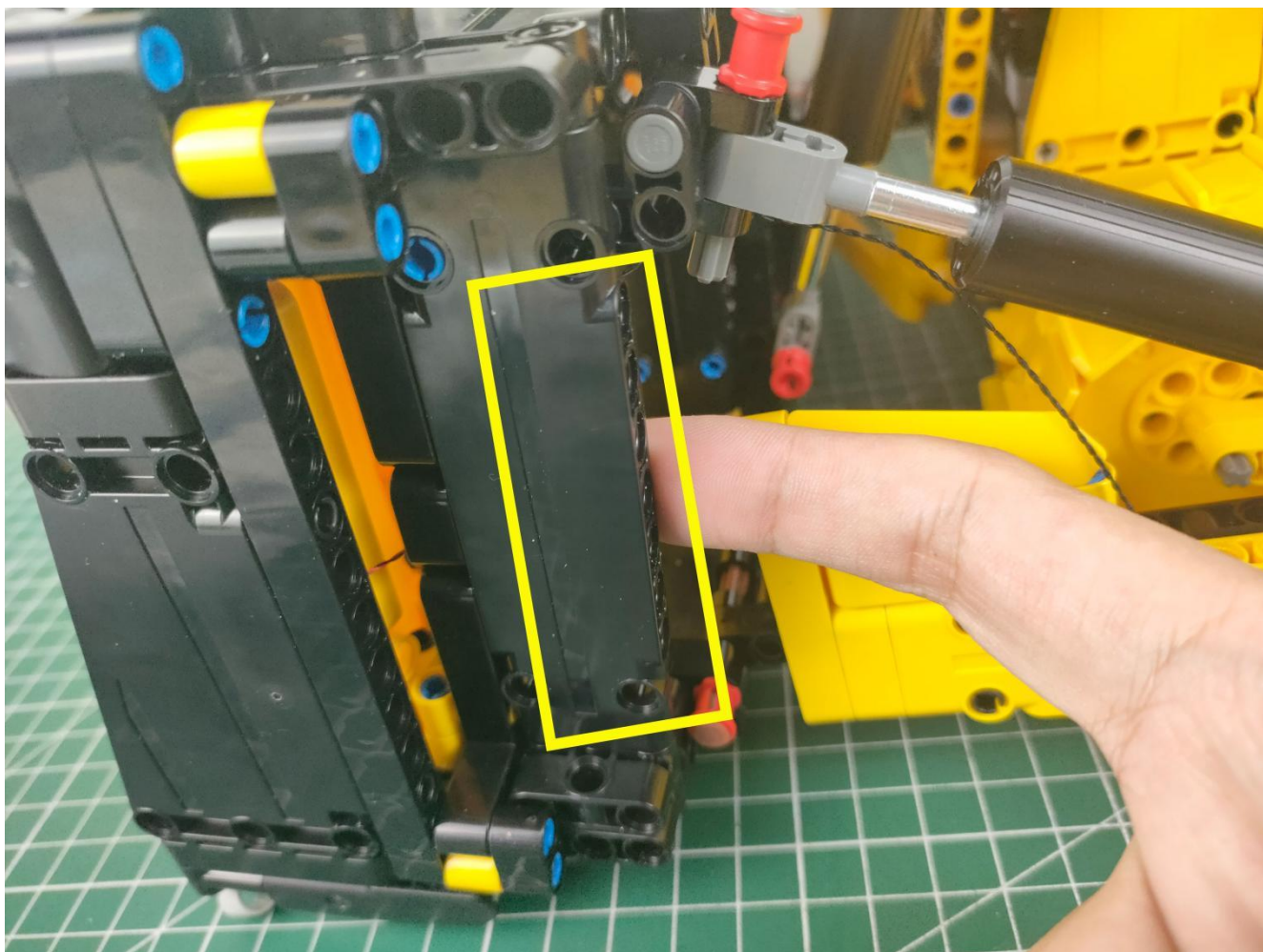




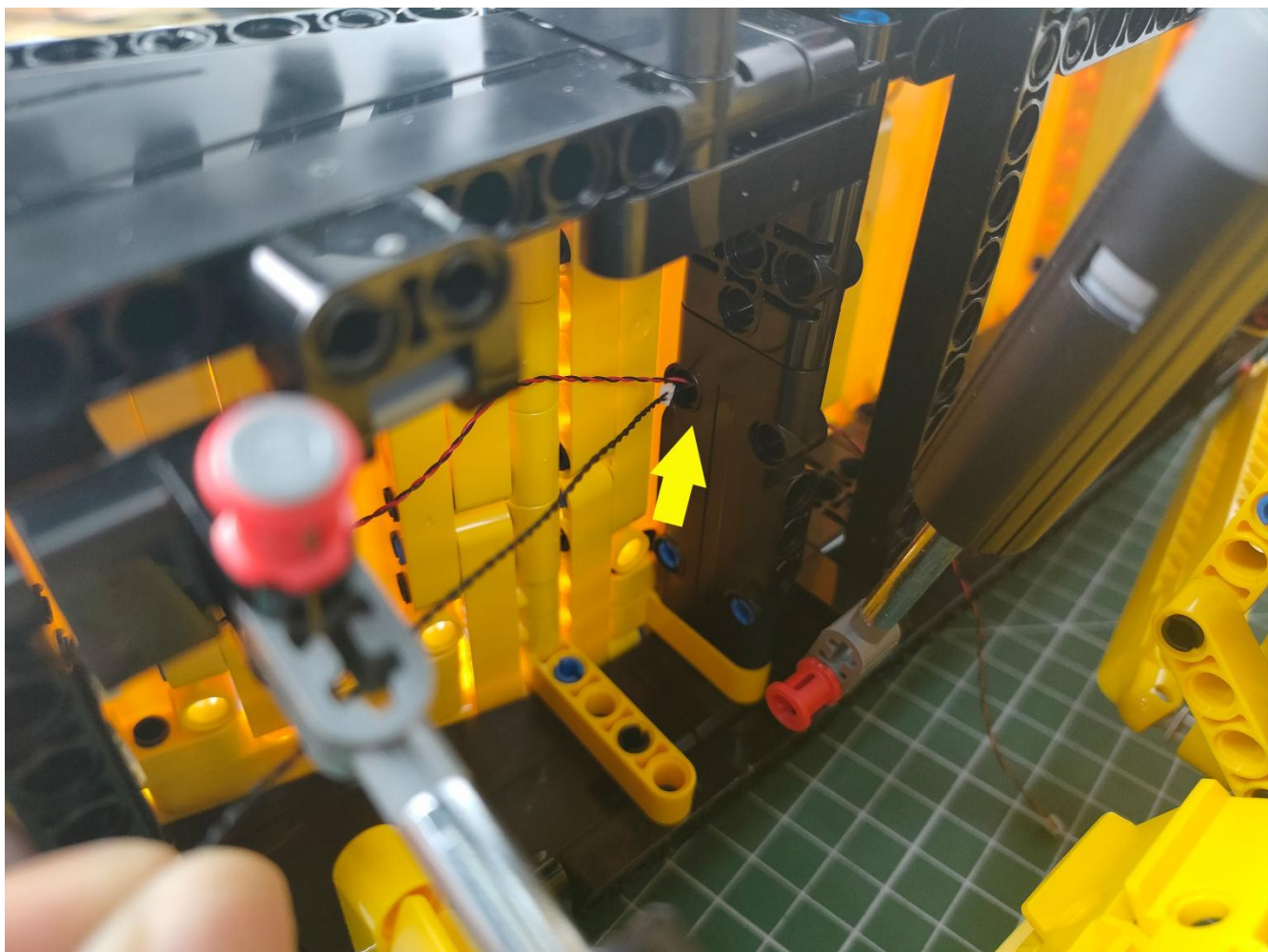




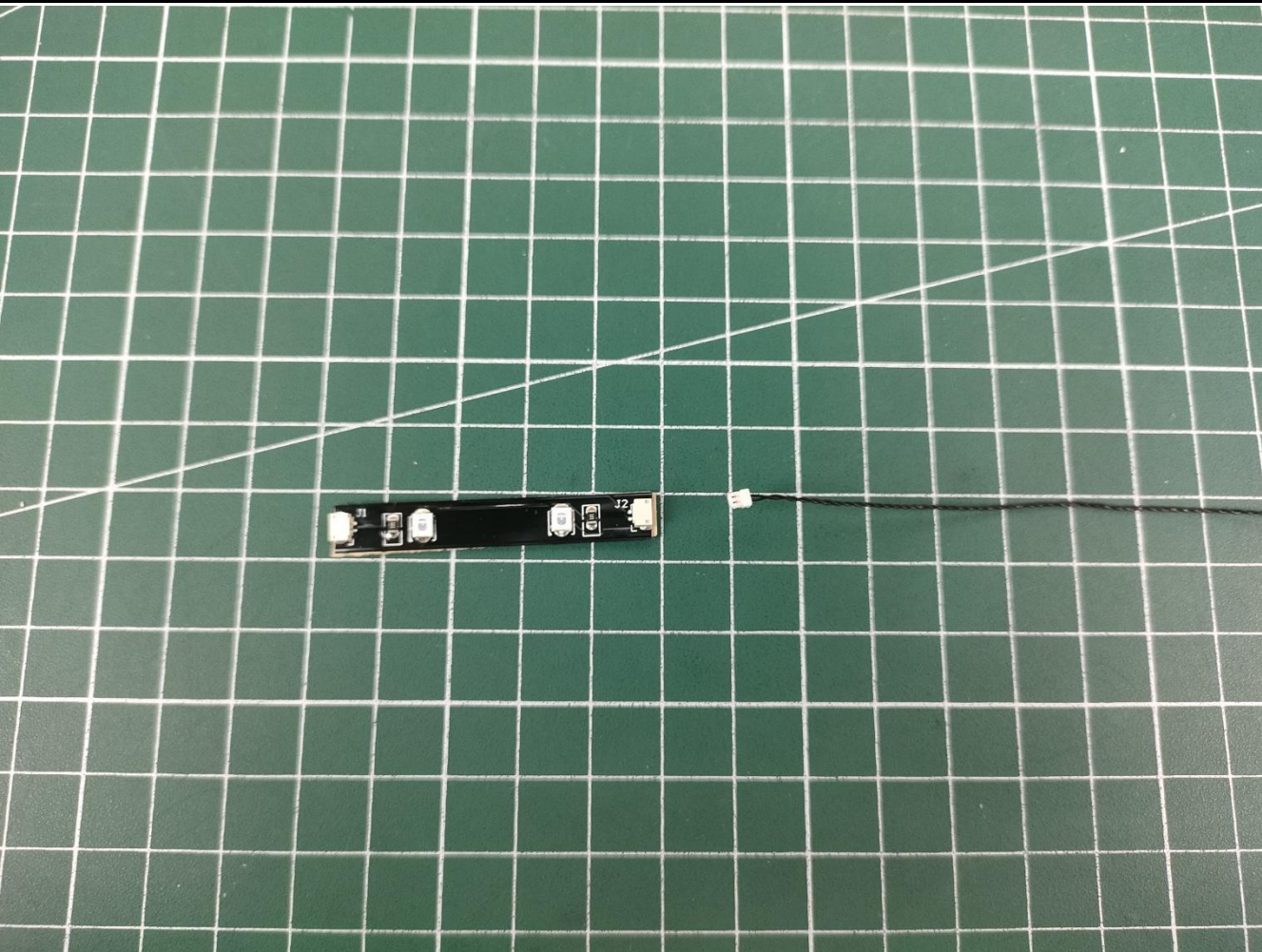
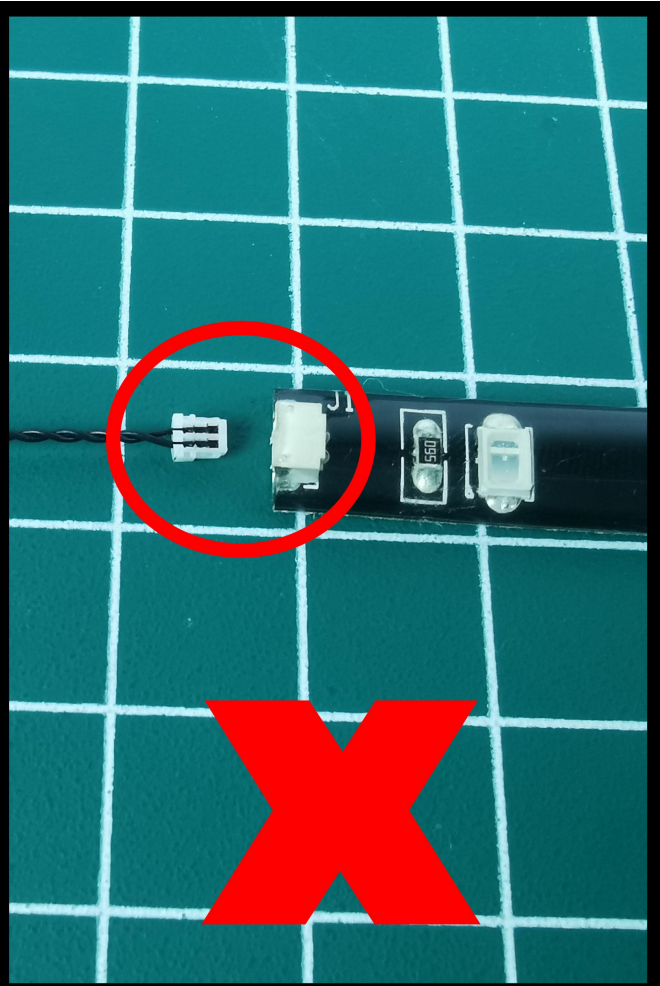


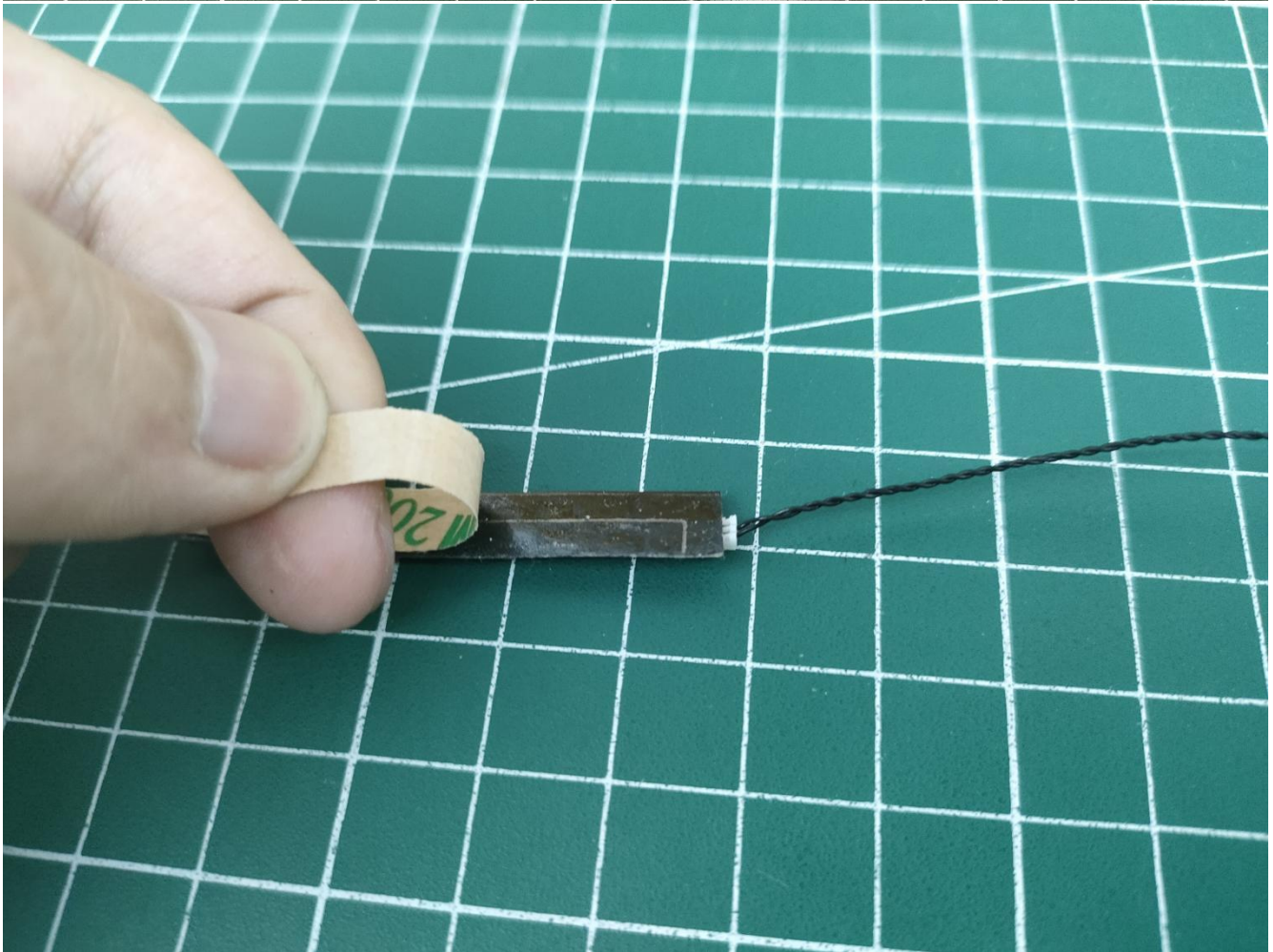
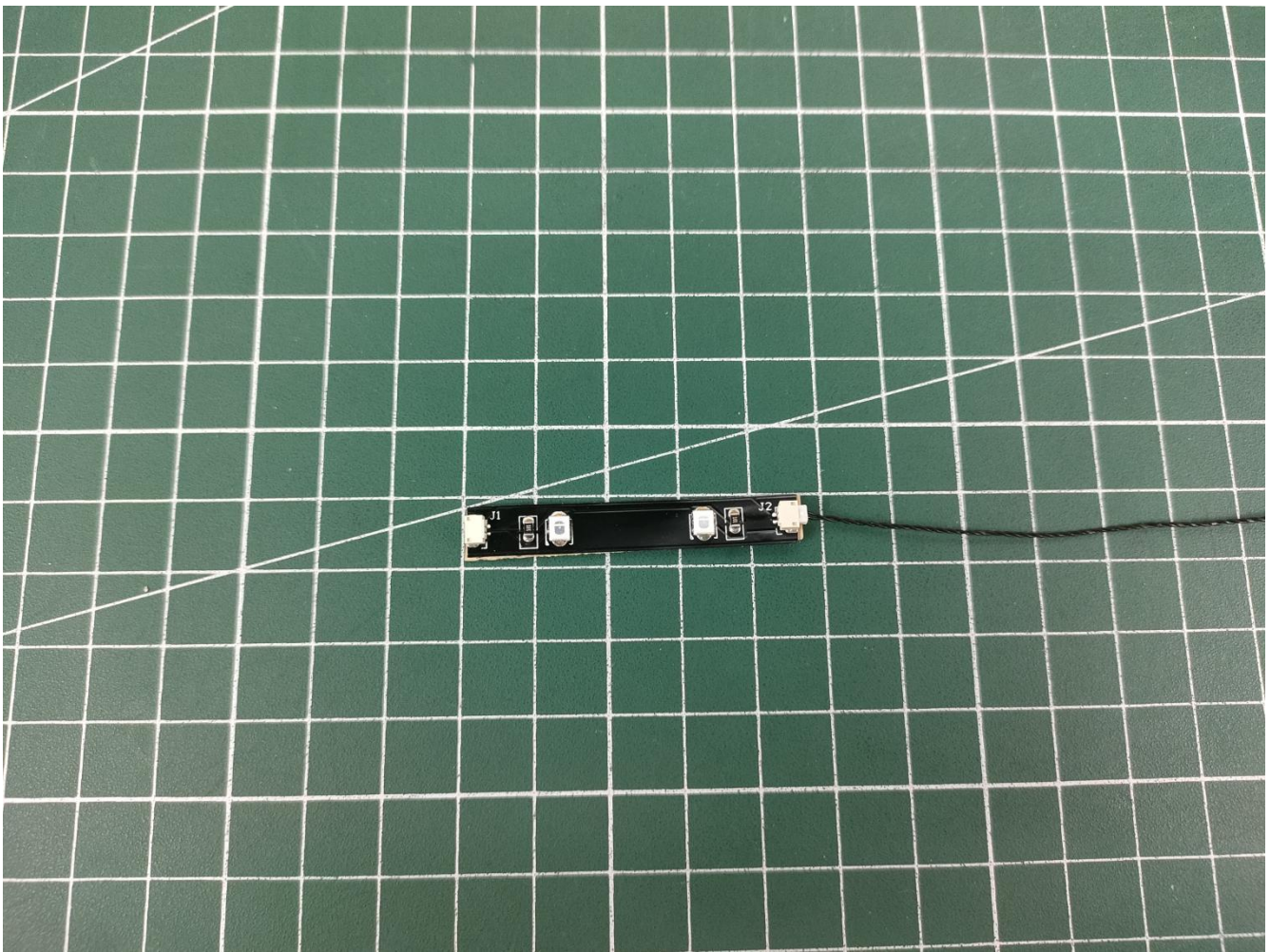


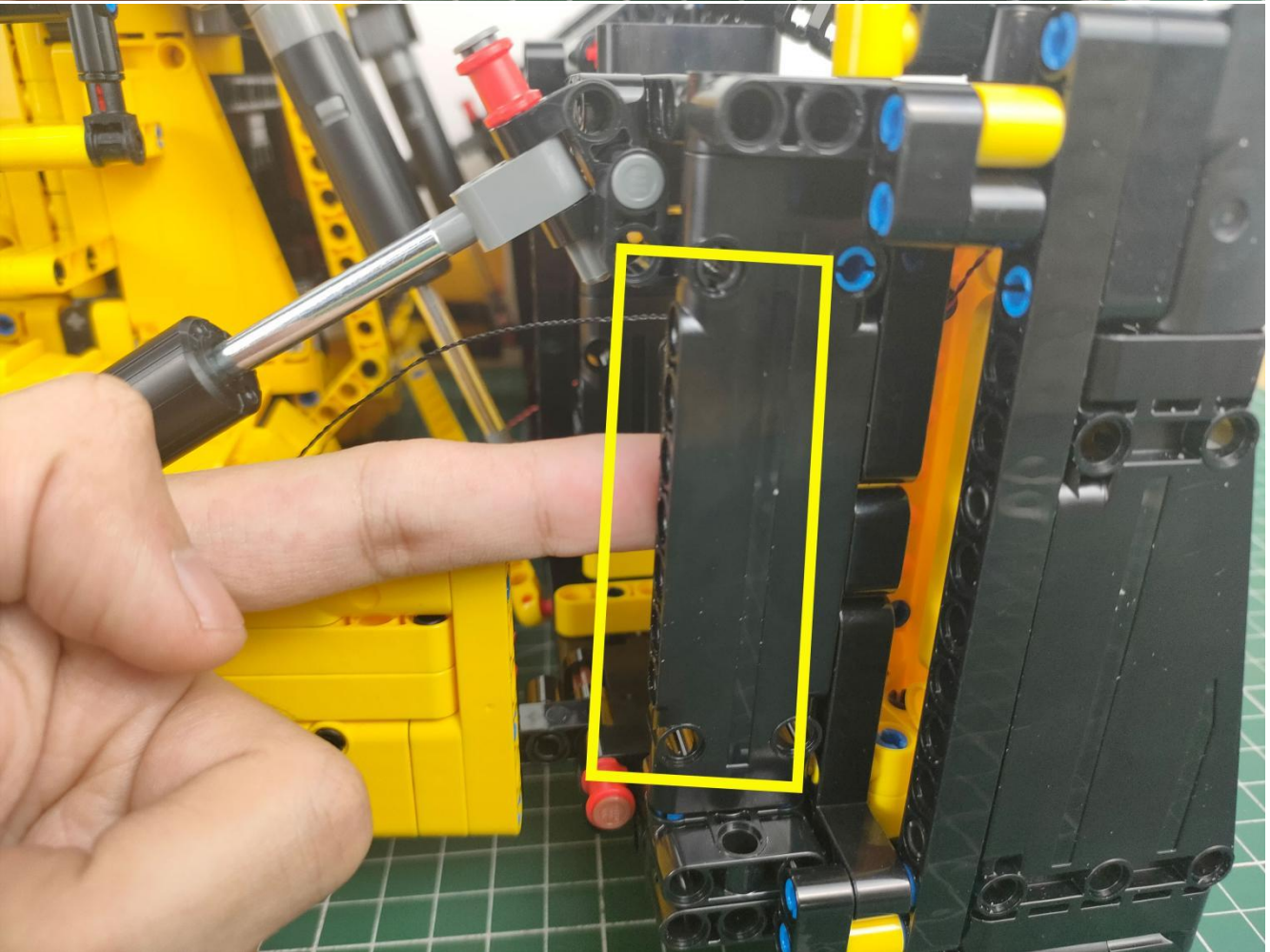
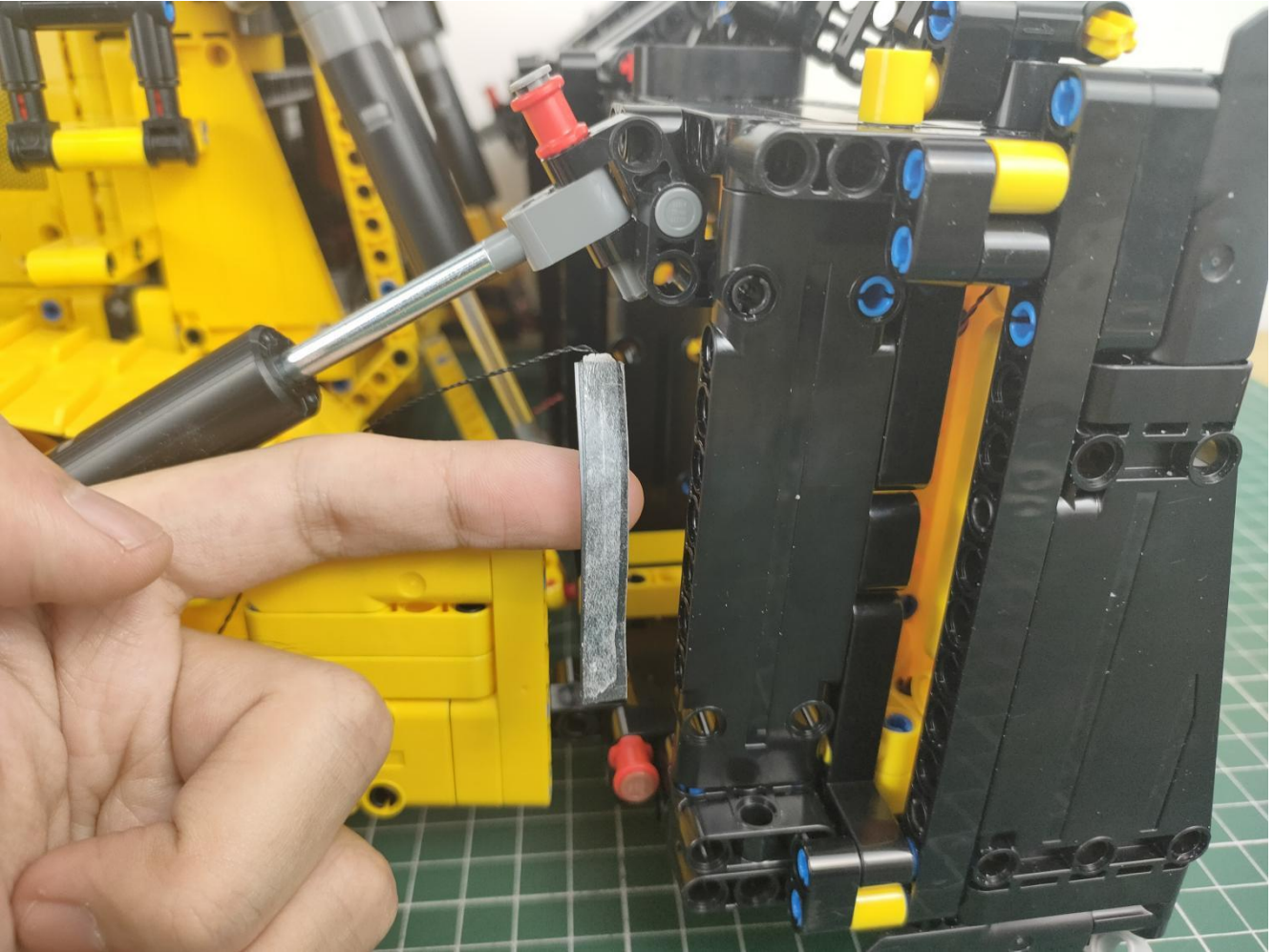
**First pull the cable towards the back of the shovel, and then pass the cable through the small hole in the black block assembly.**



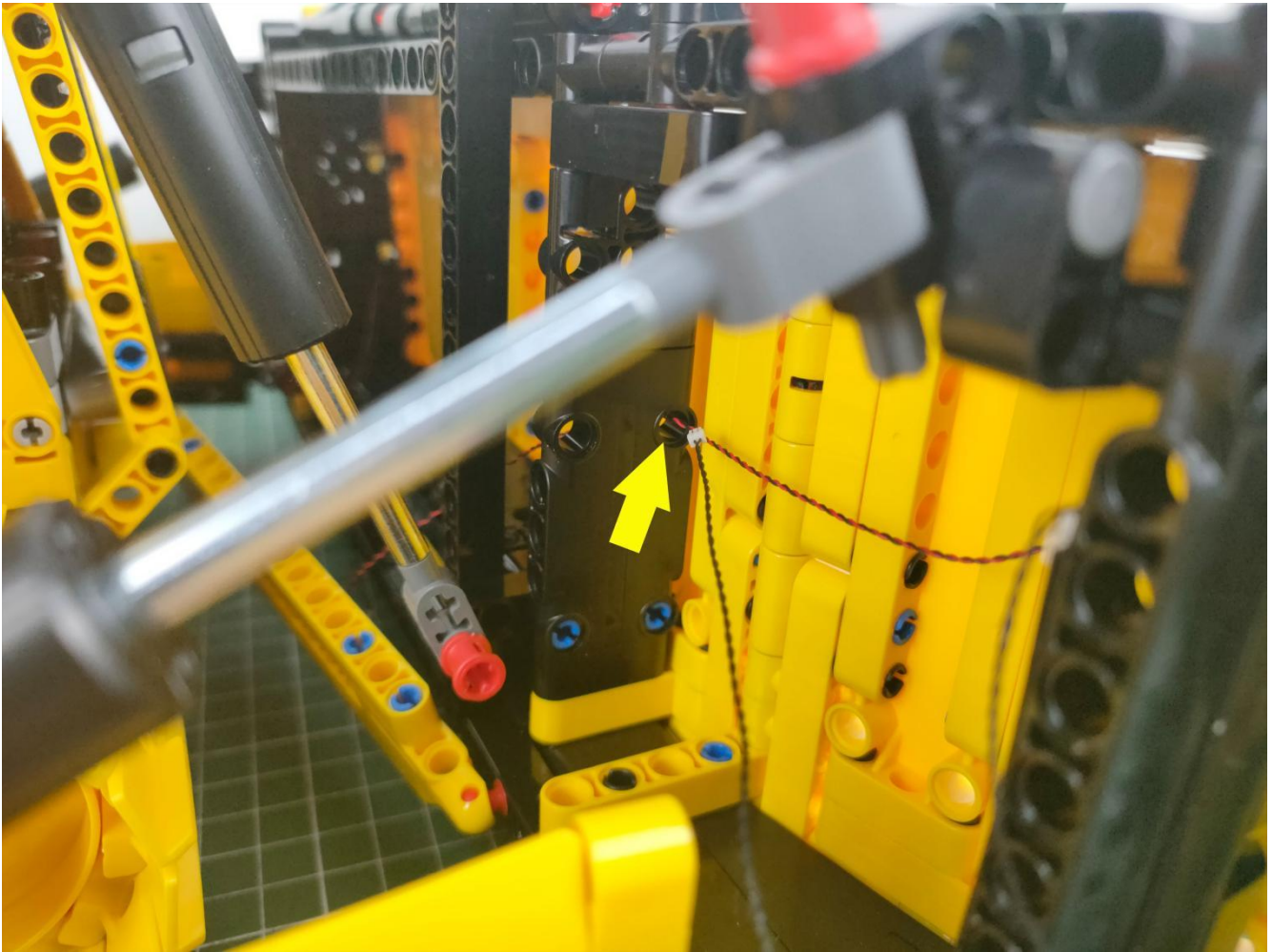






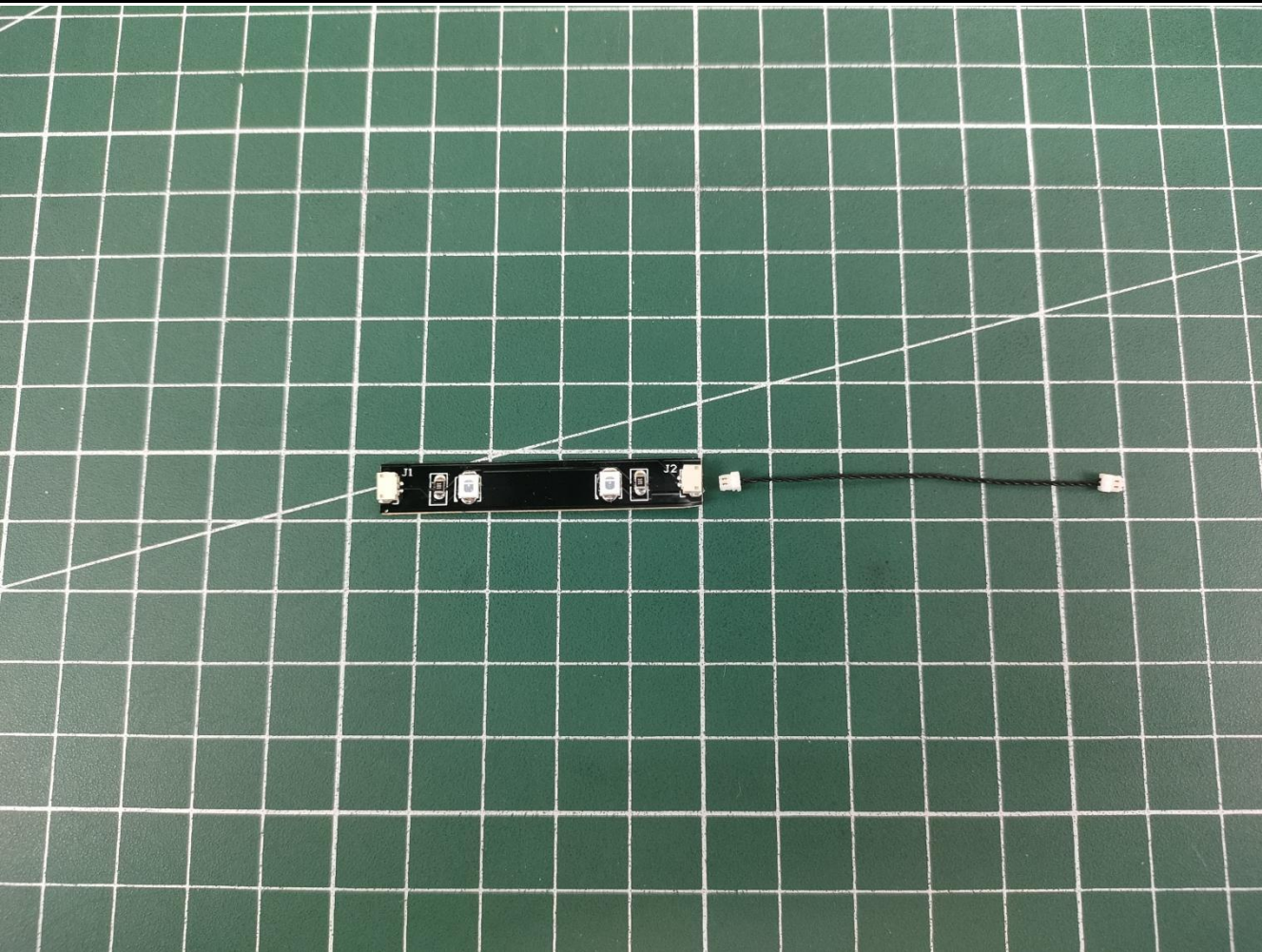
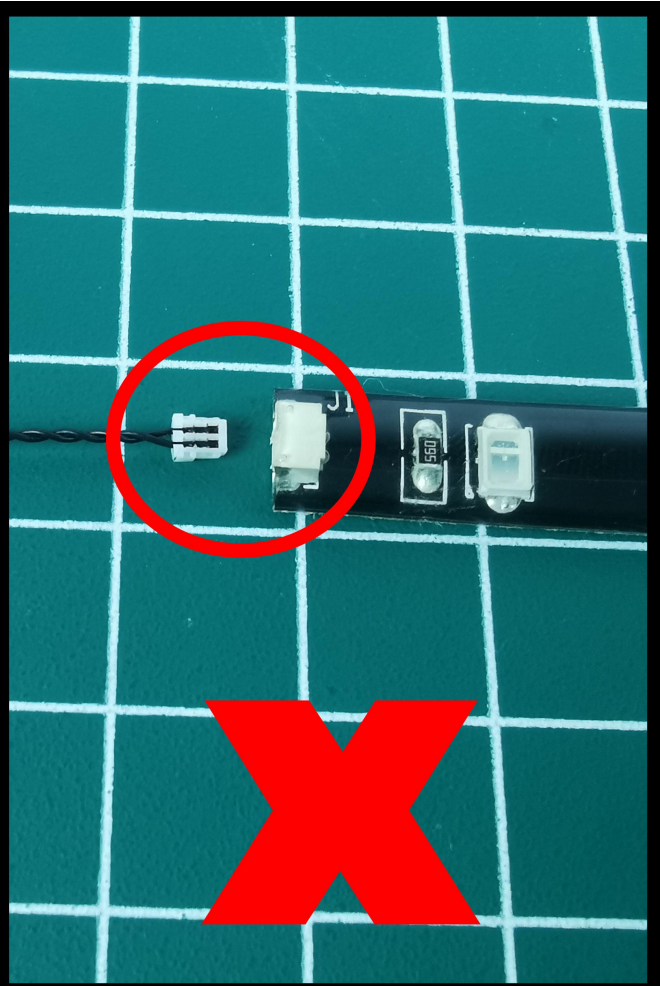


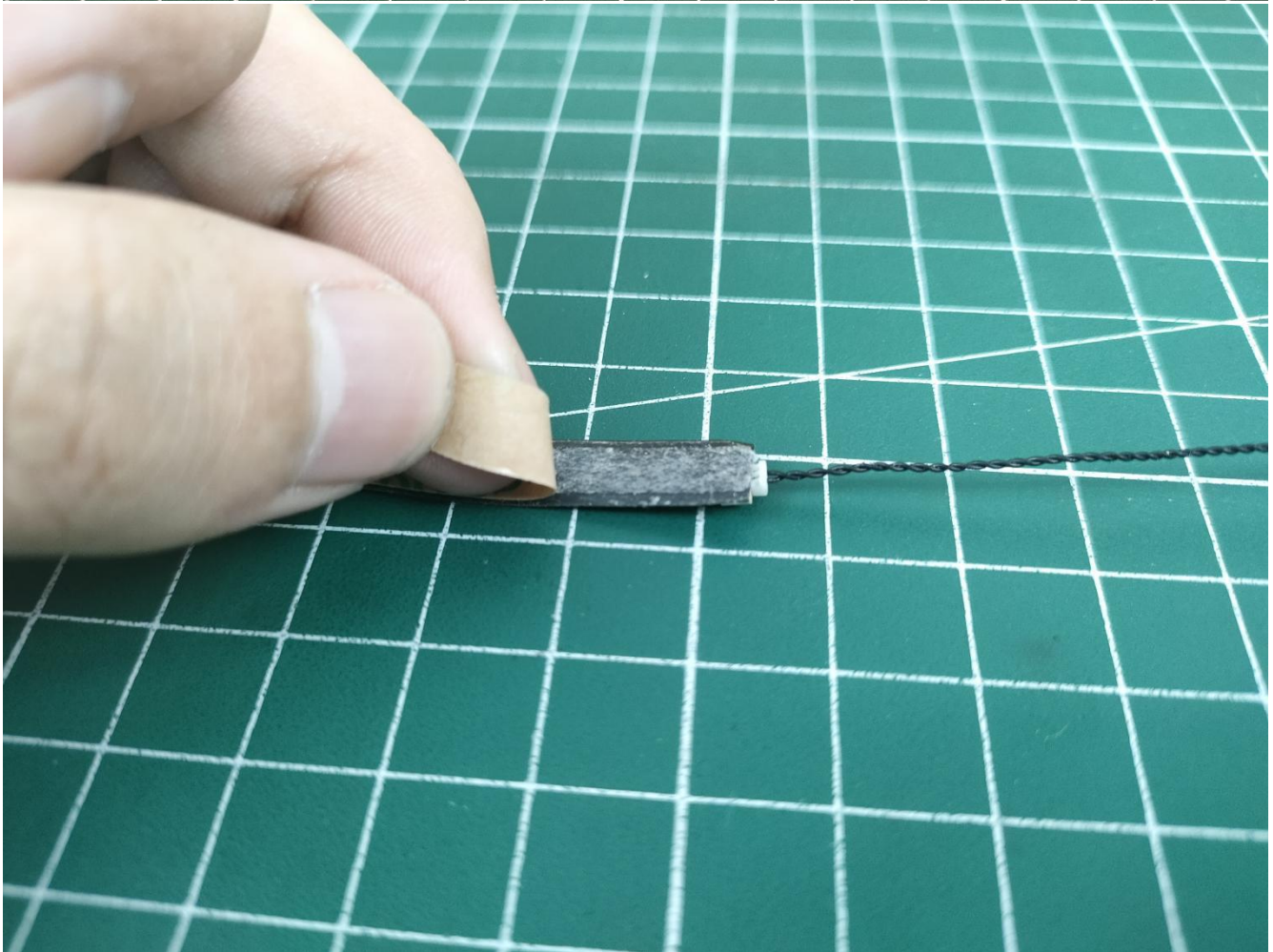
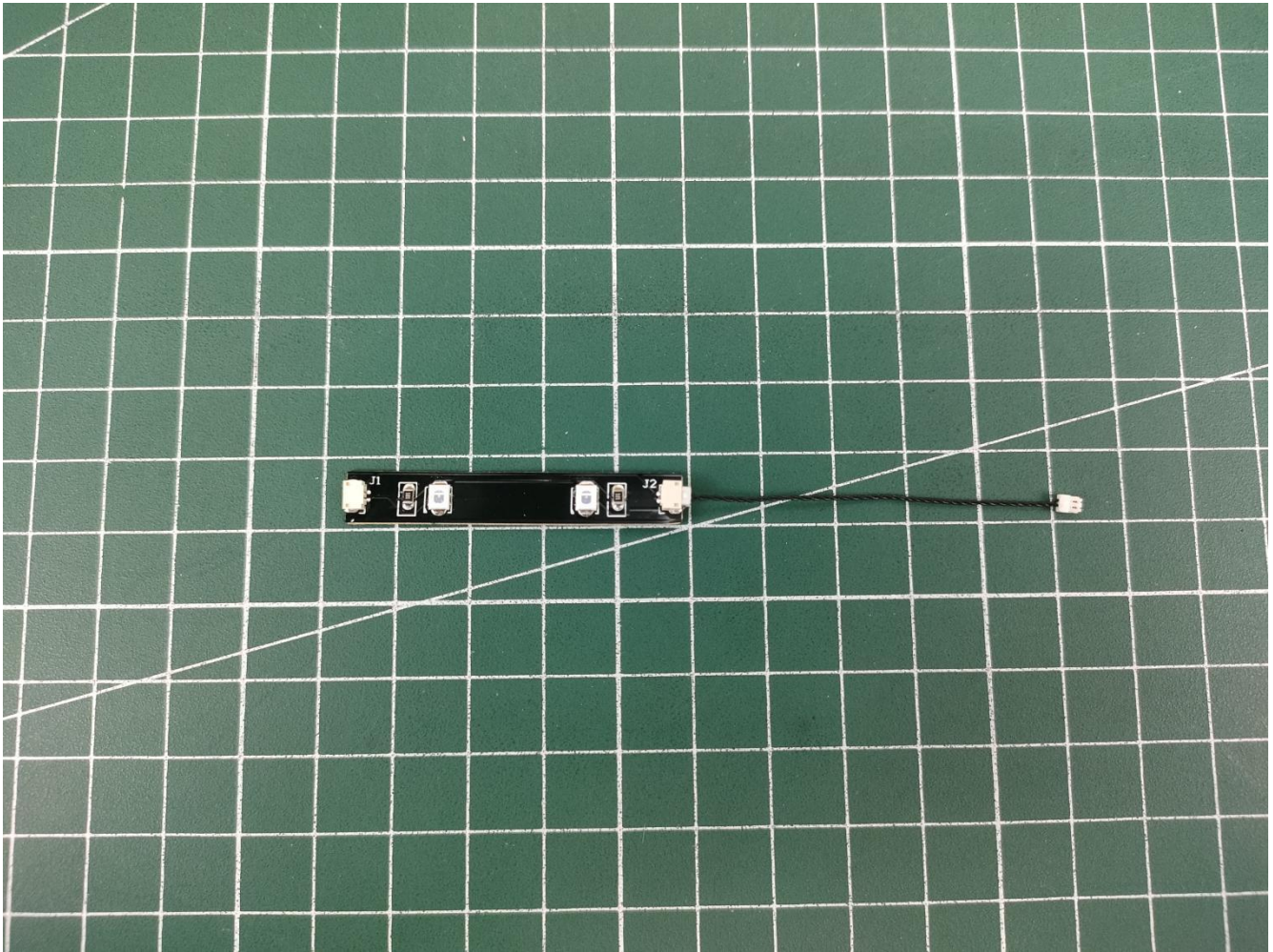
**First pull the cable towards the back of the shovel, and then pass the cable through the small hole in the black block assembly.**

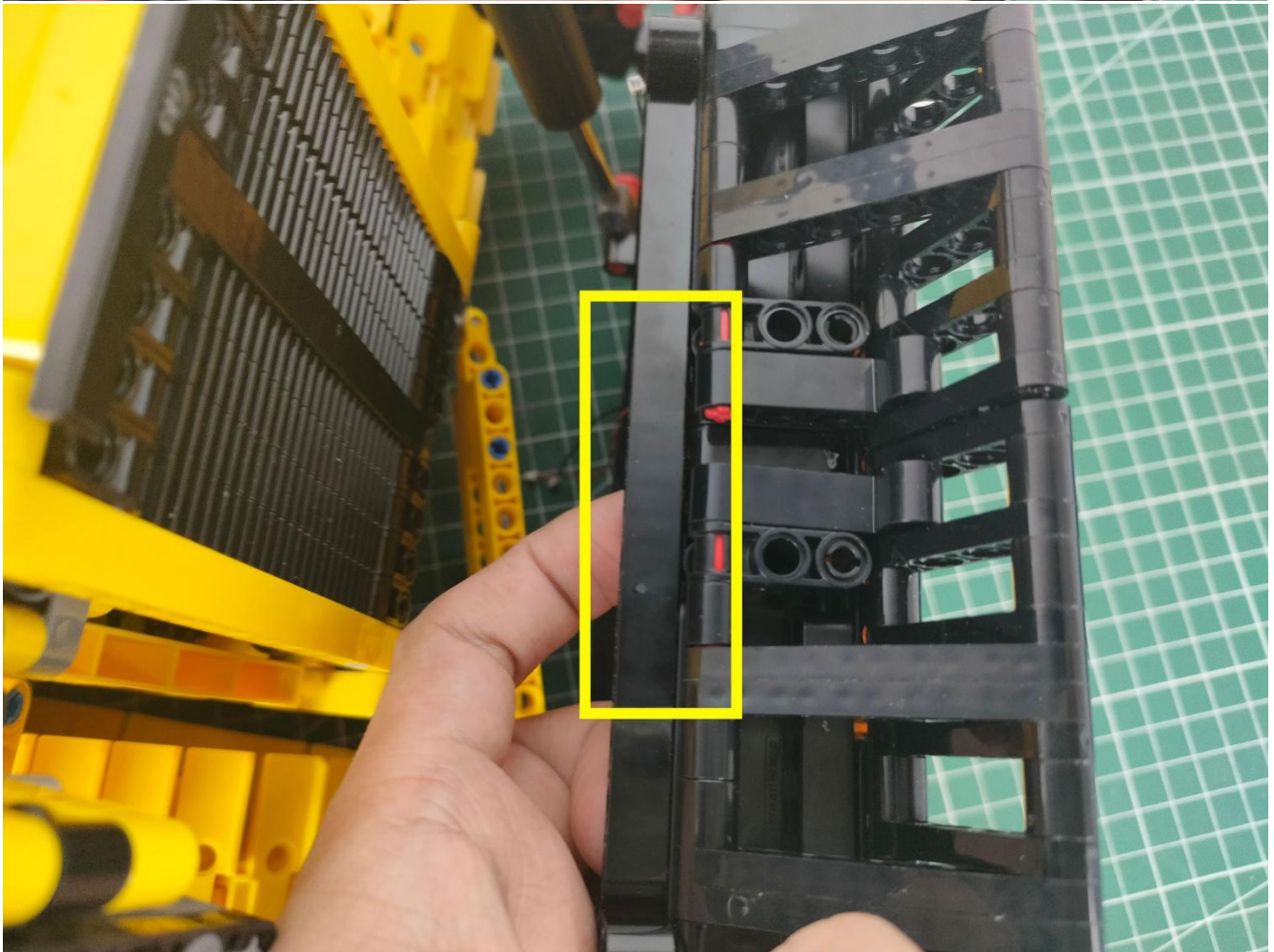
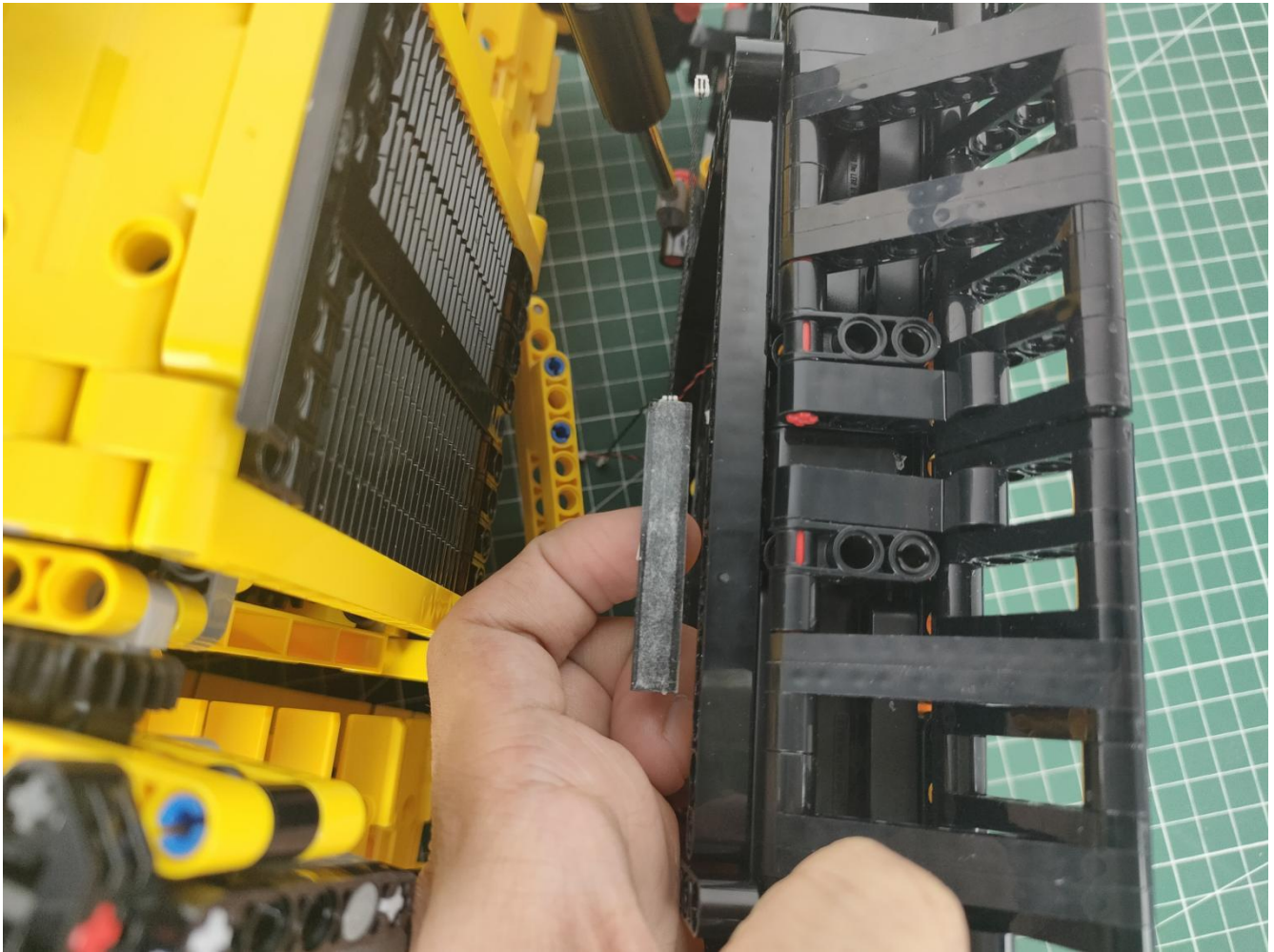




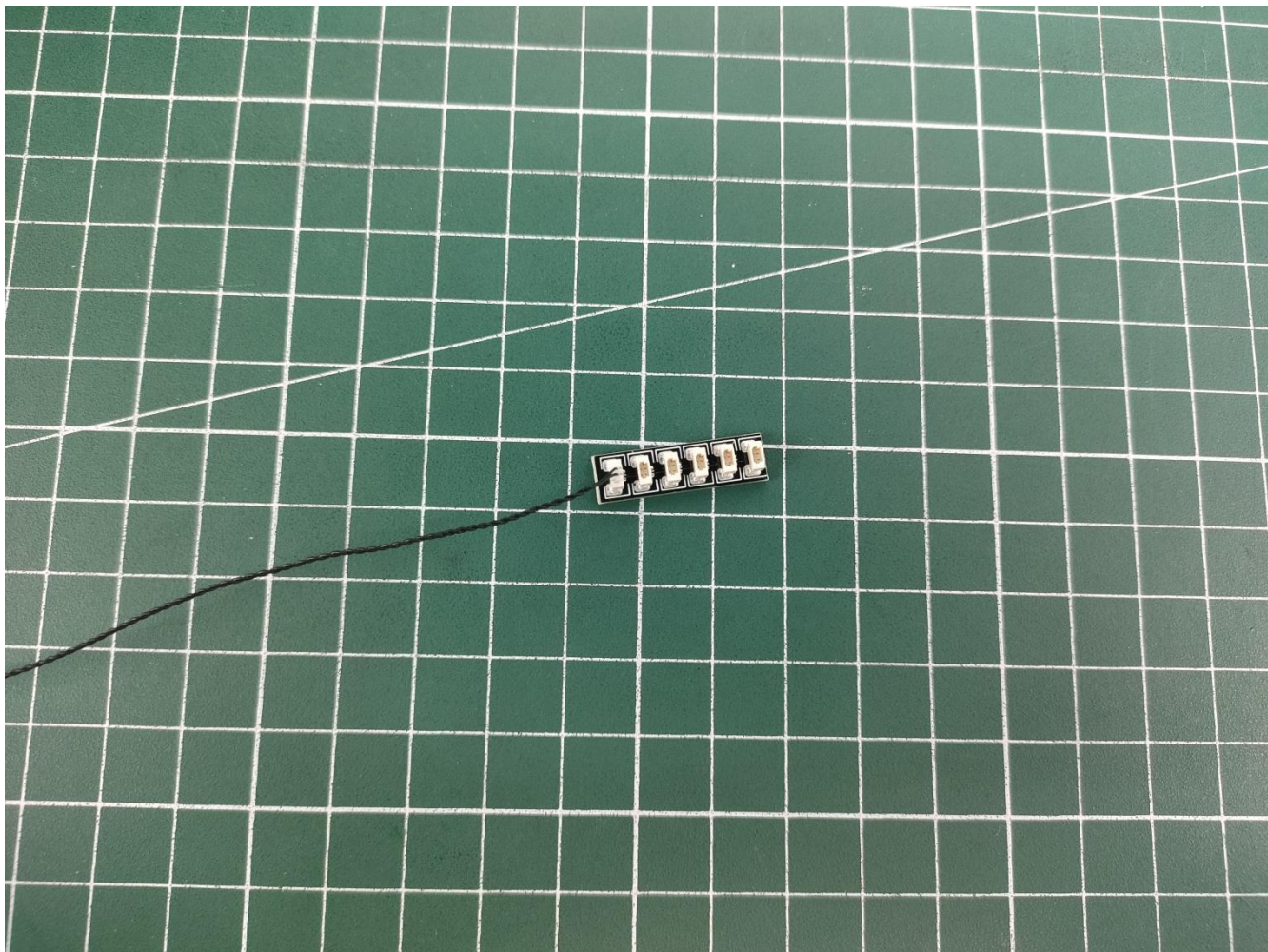


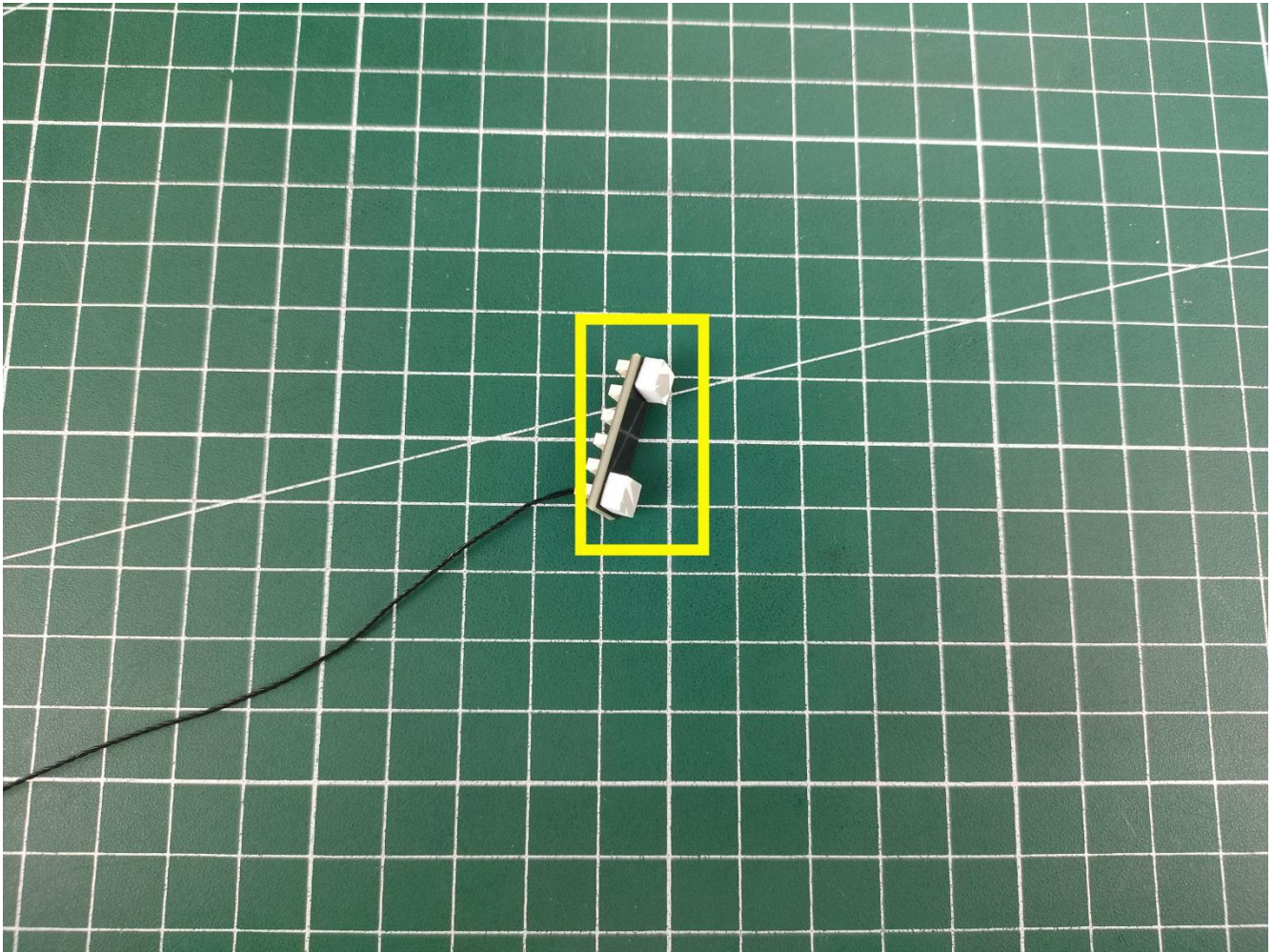




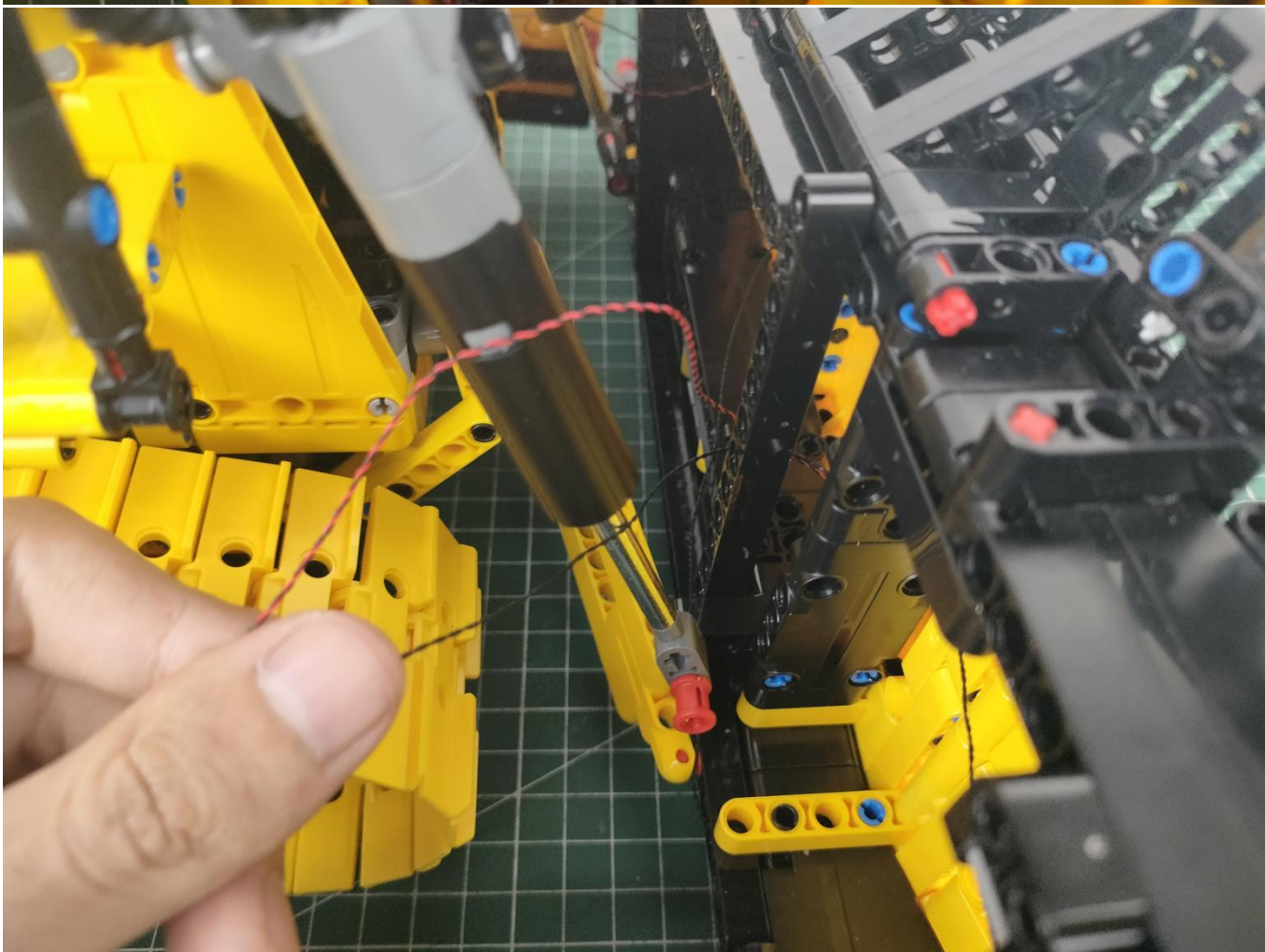
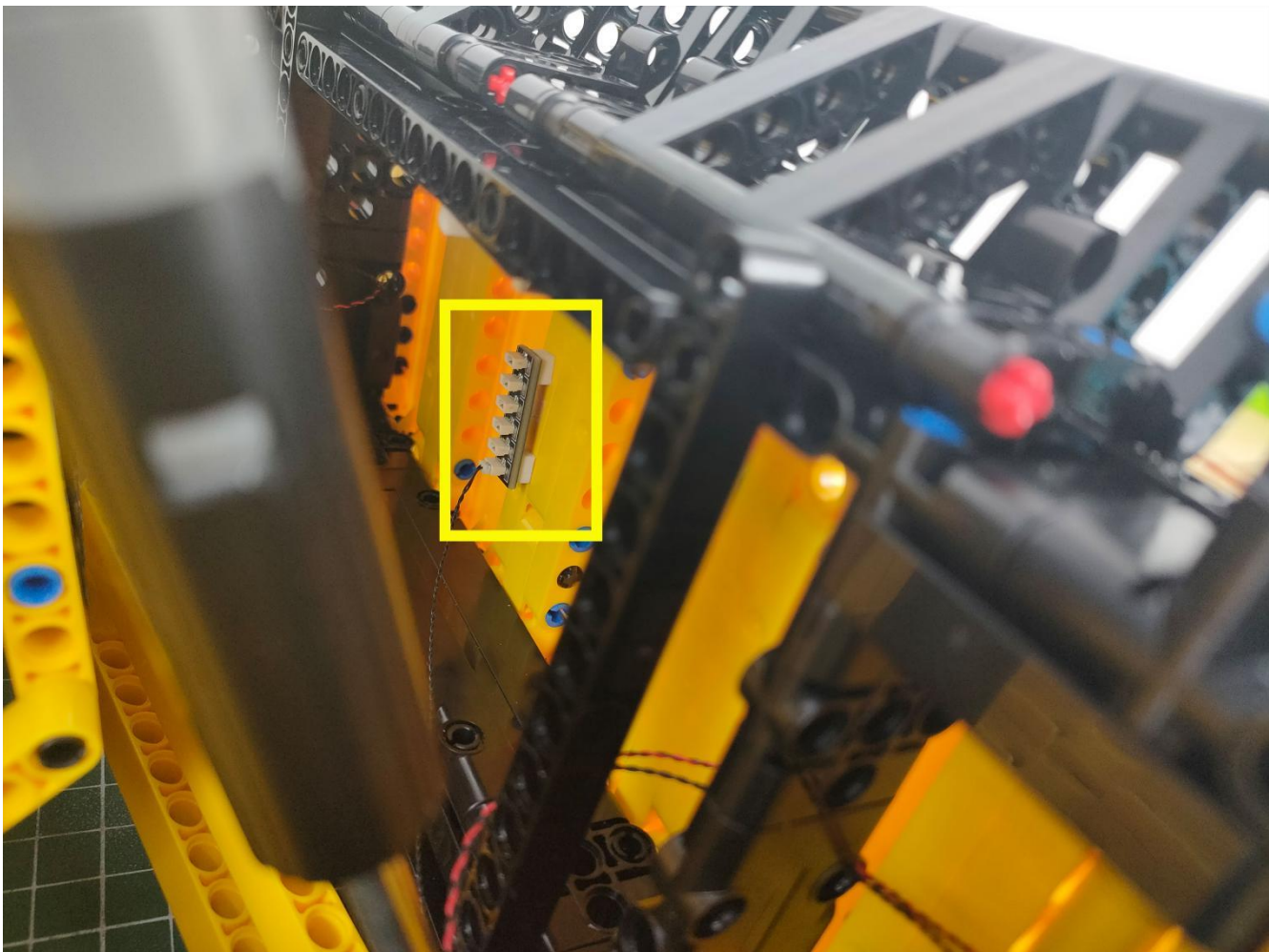






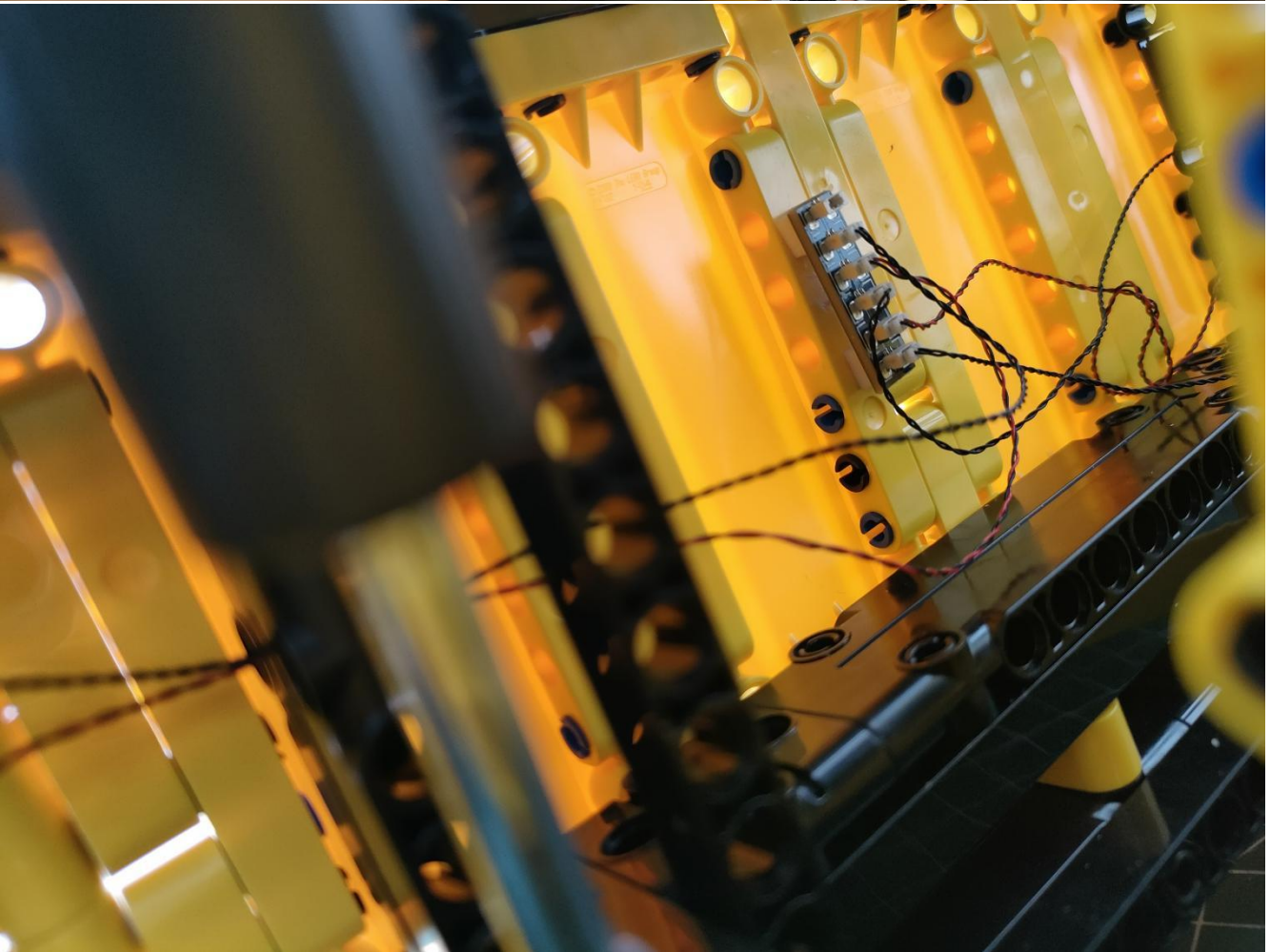
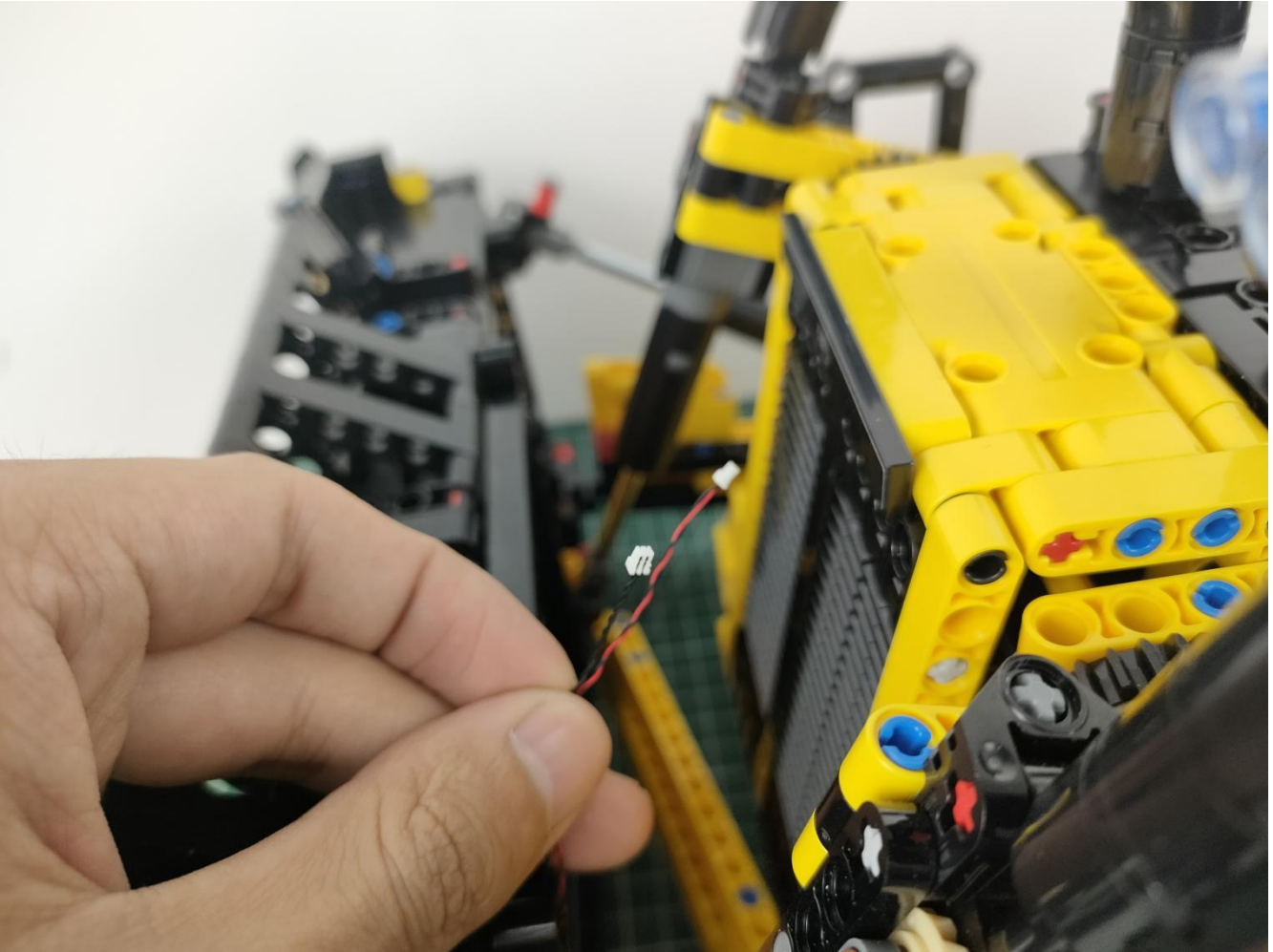


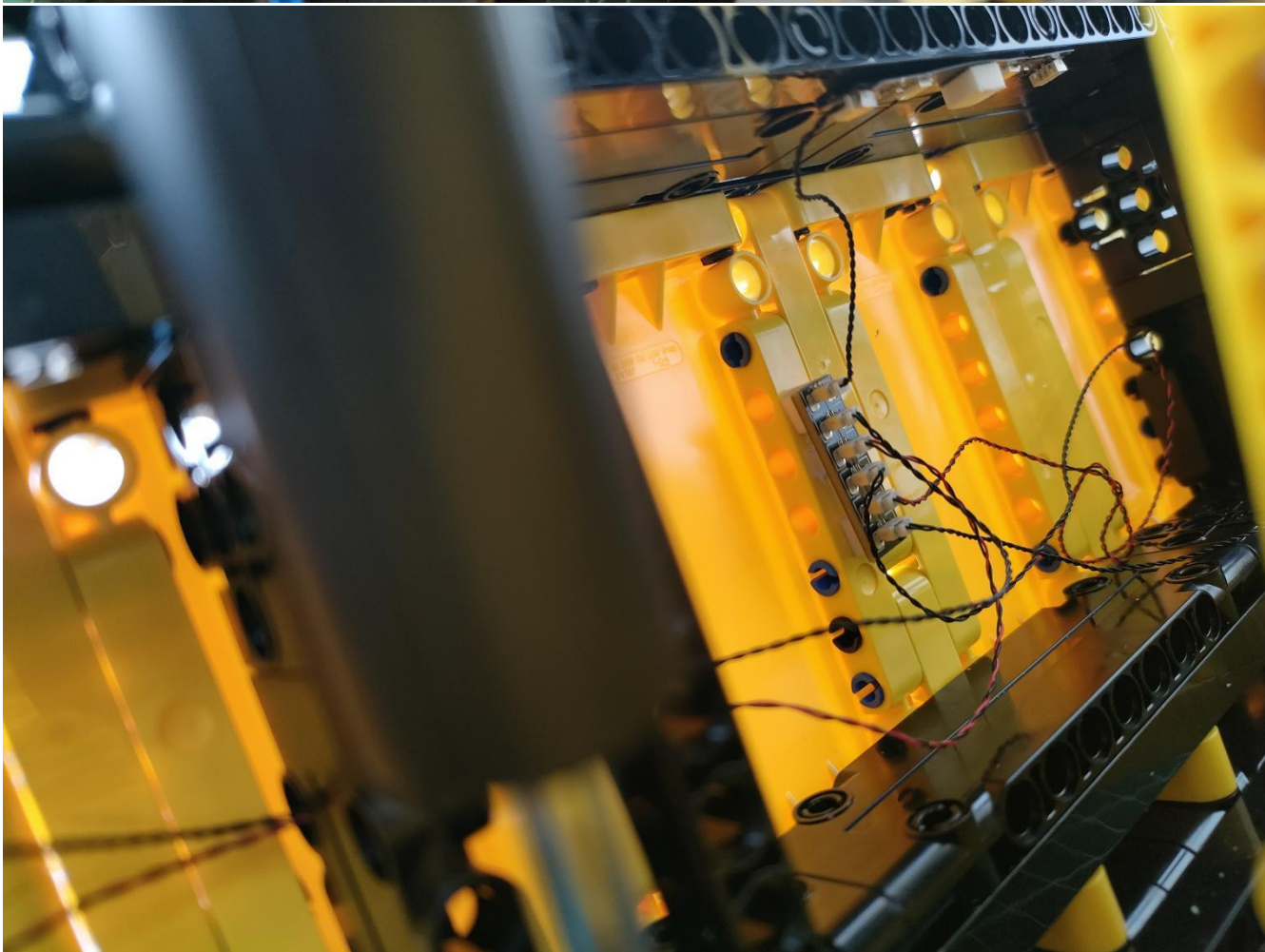
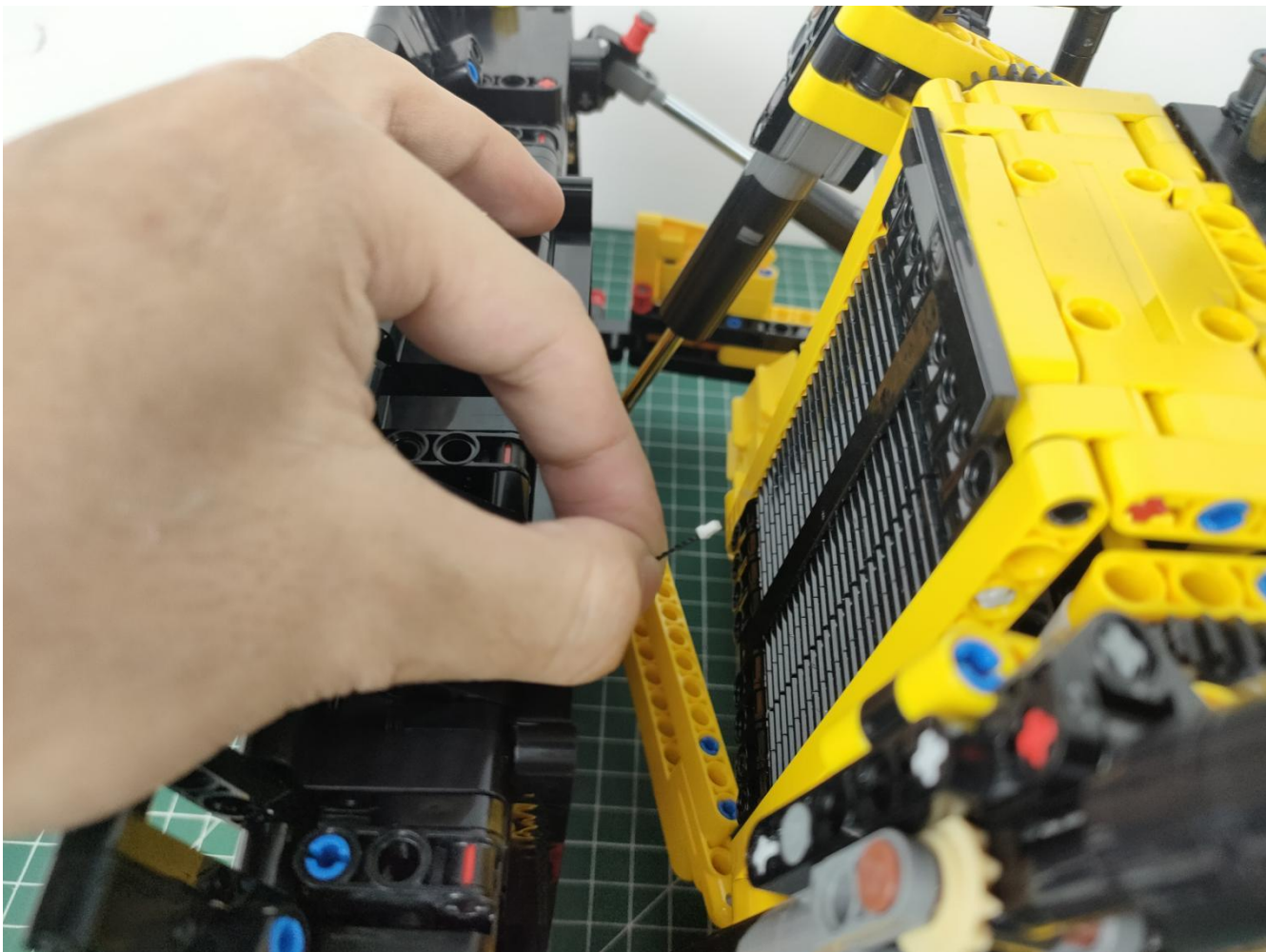
**Secure the expansion board to the back of the shovel with double-sided tape.**

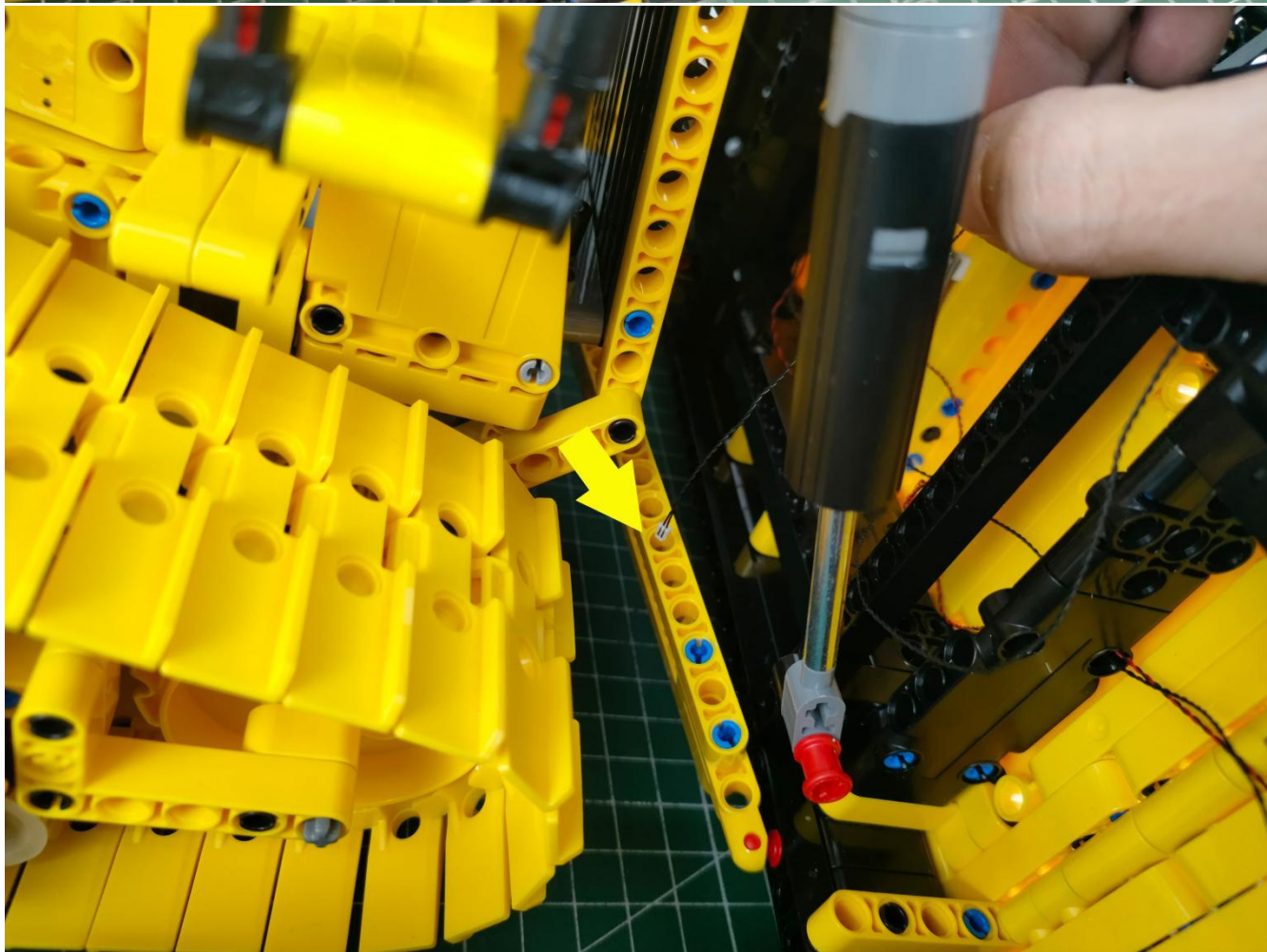
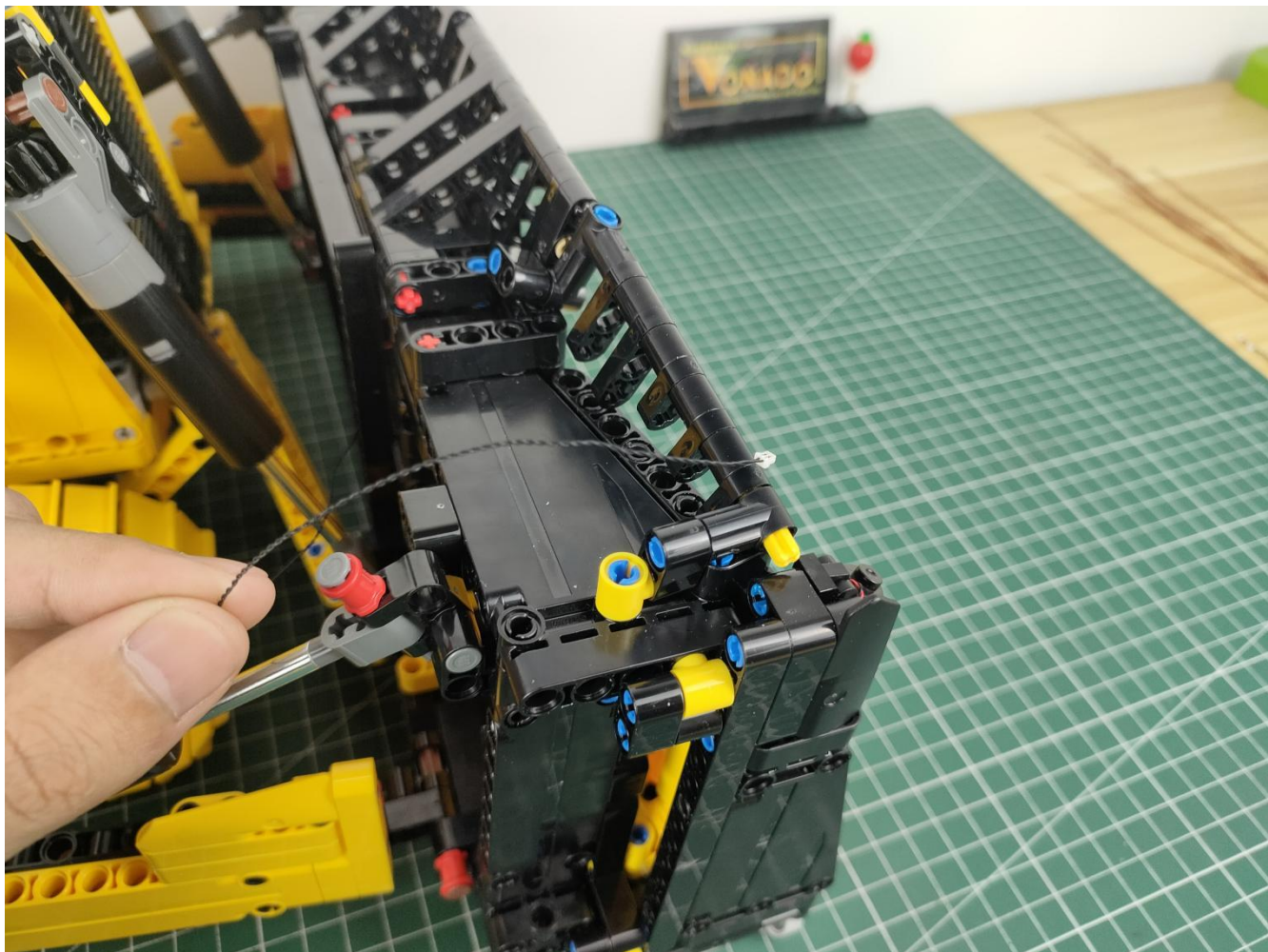


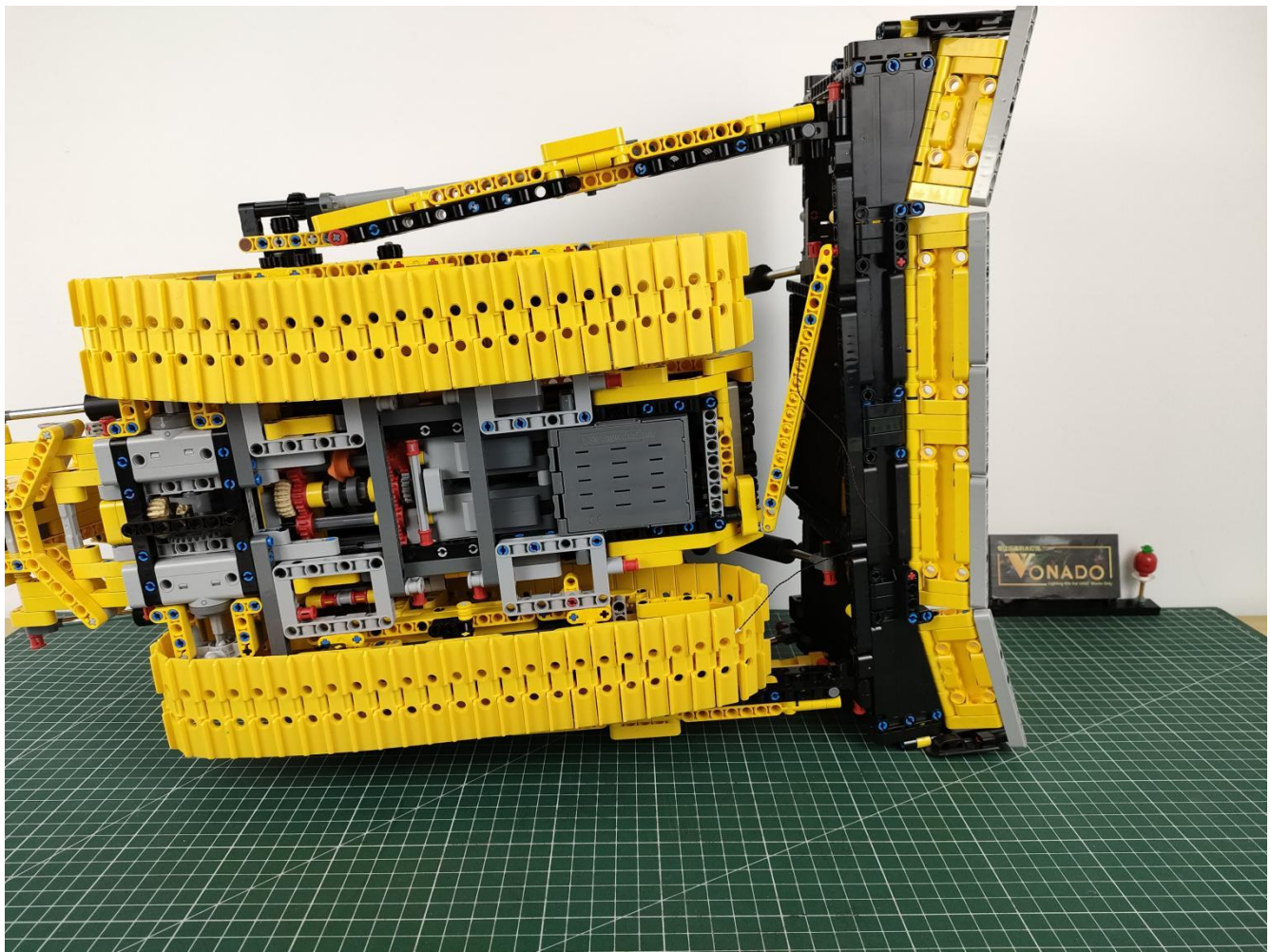














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## Remote control function description



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

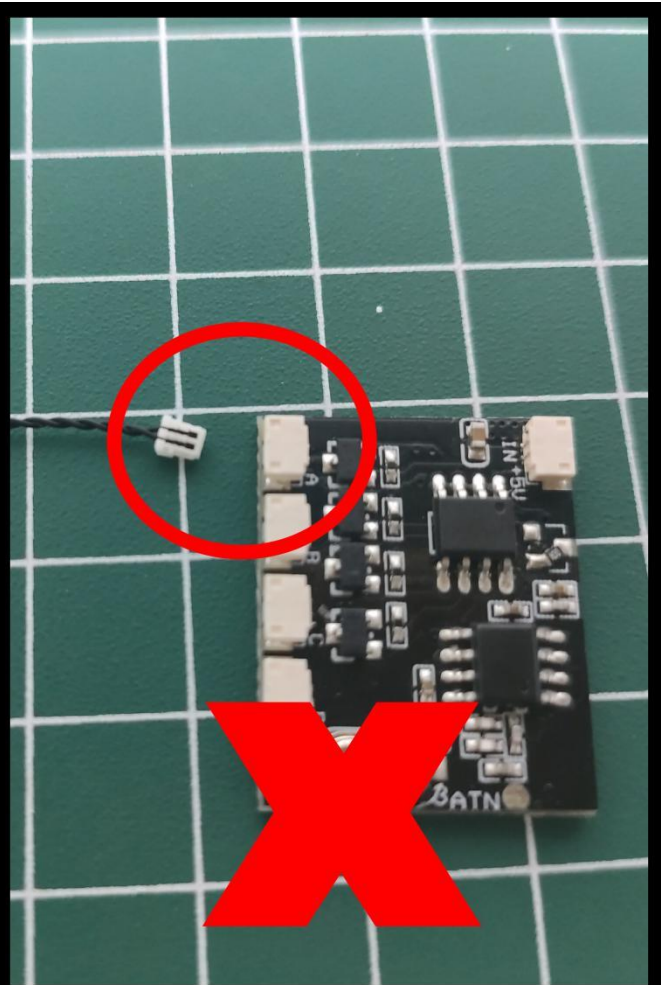
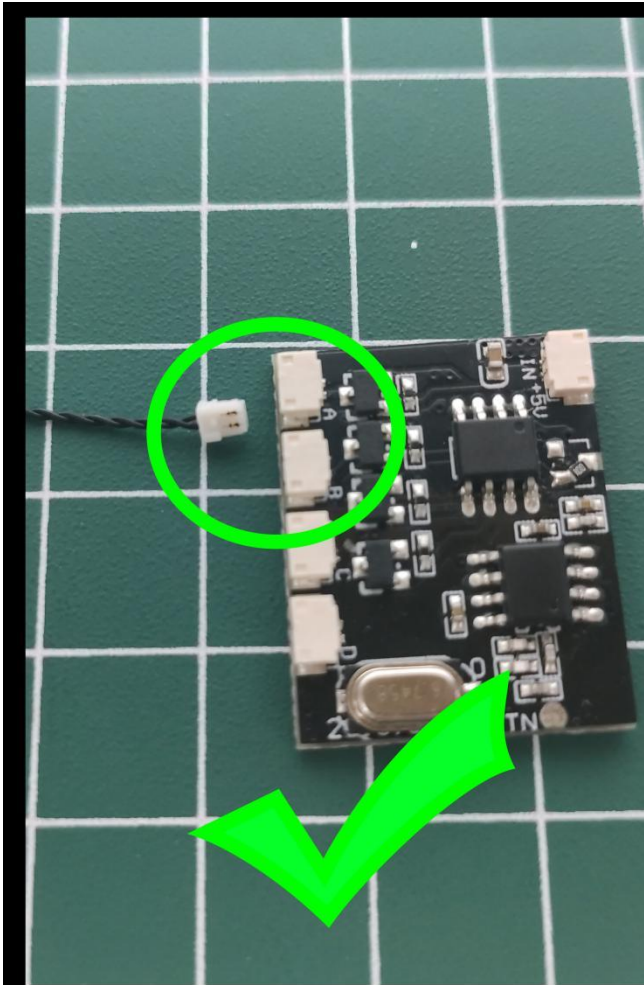
BLN: Start breathing for the last opened path

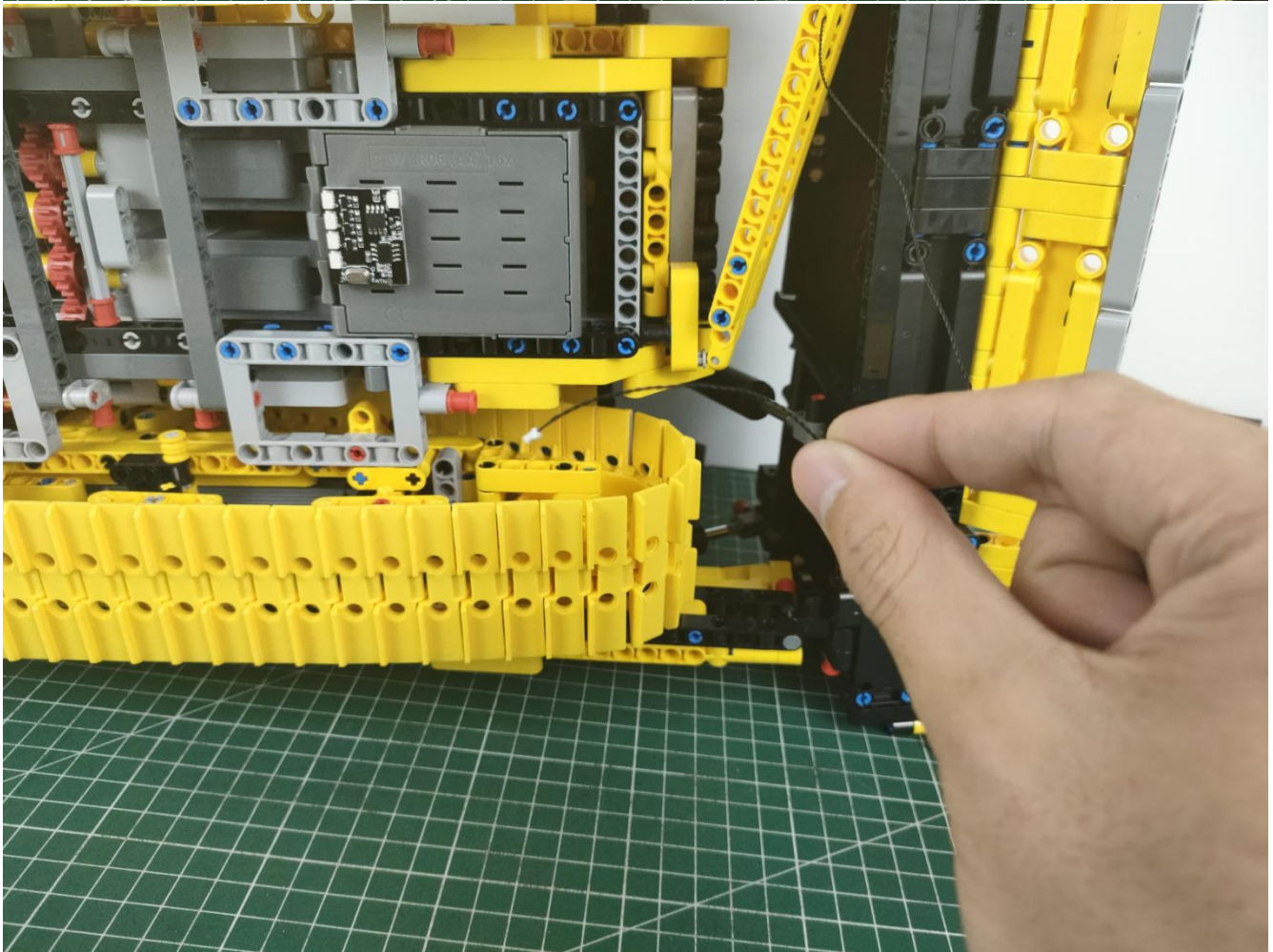
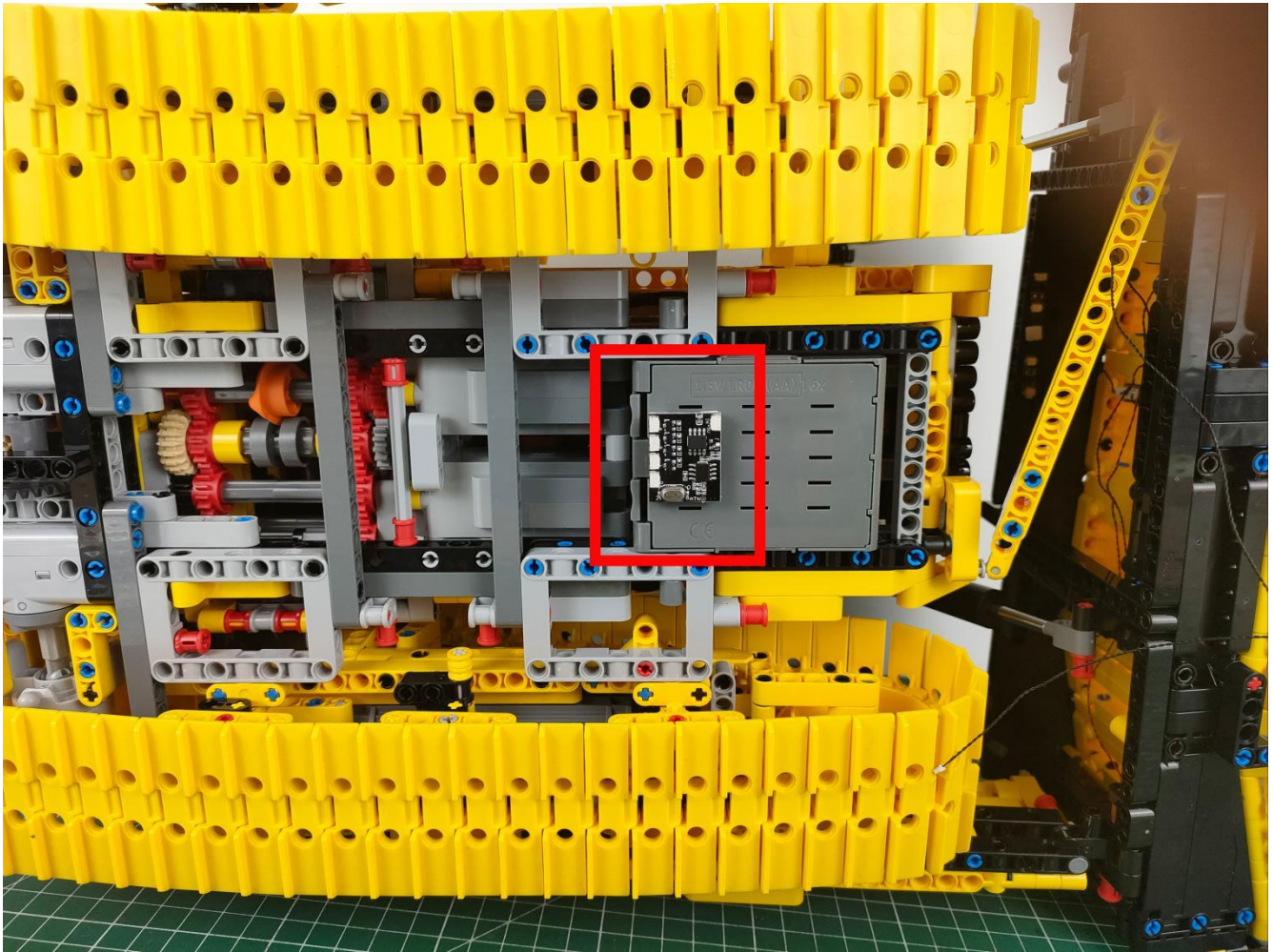
↑: Increase blinking/breathing rate

↓: Increase blinking/breathing rate

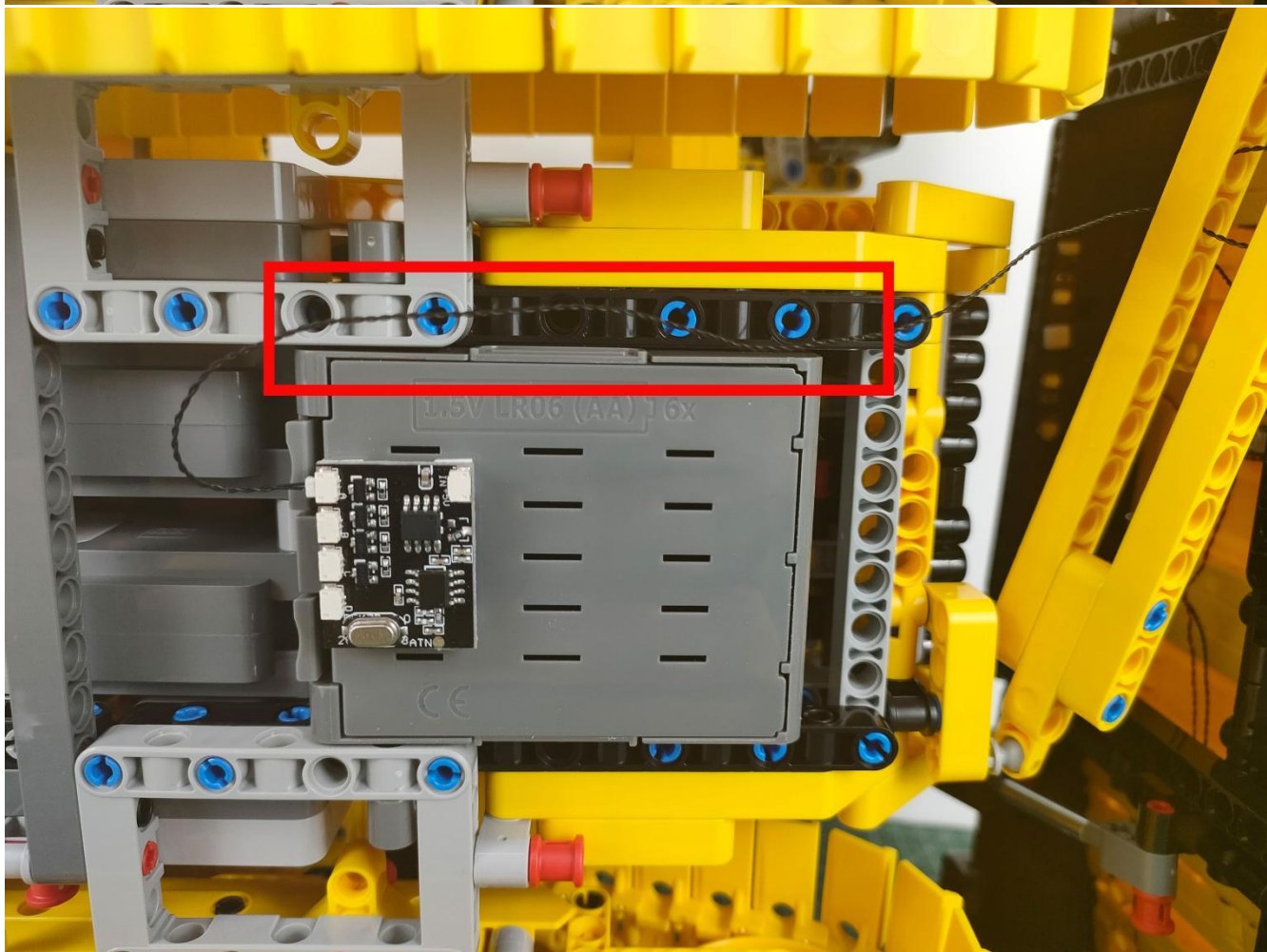
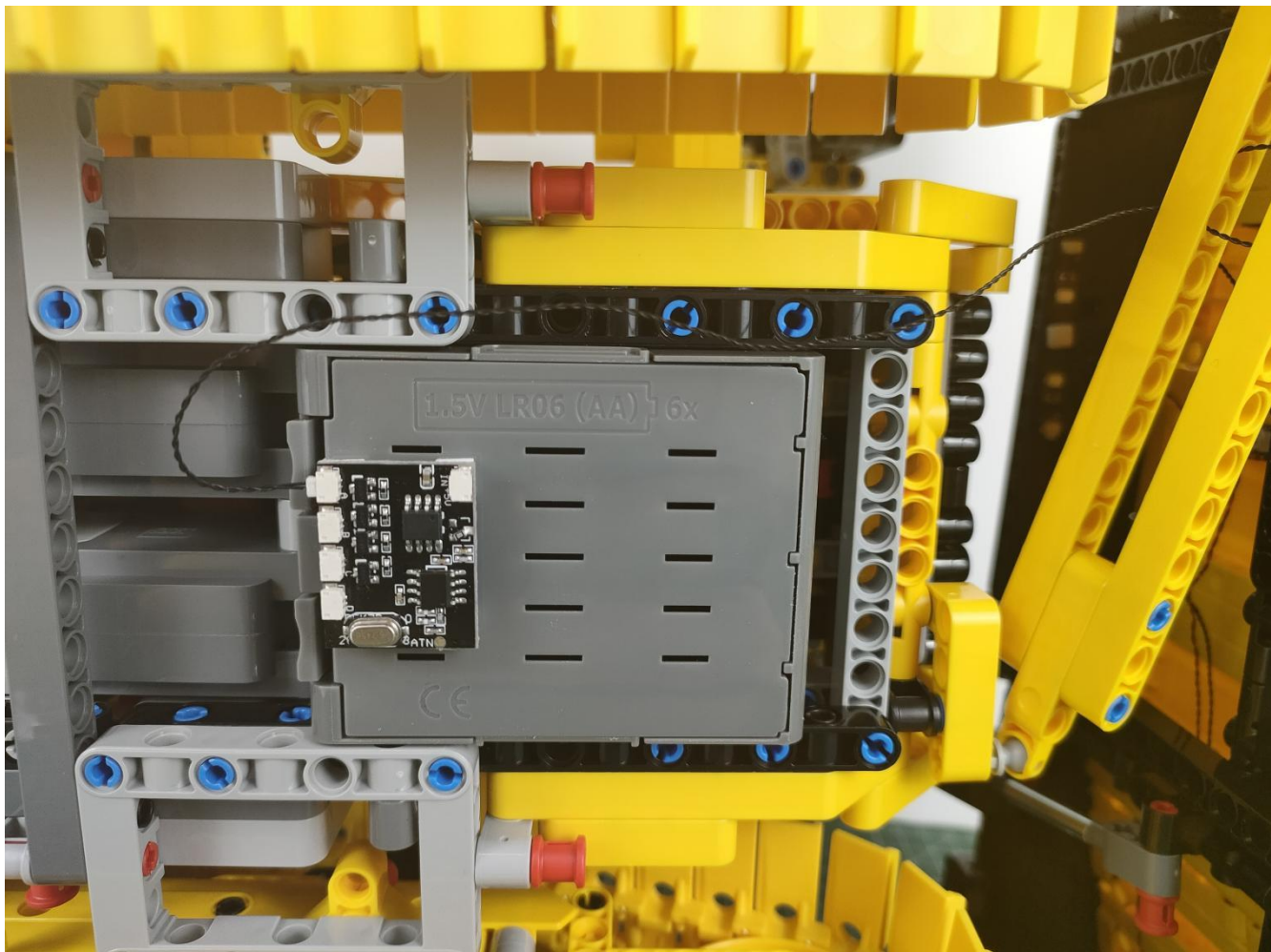
Brightness+: Increase brightness

Brightness -: Reduce brightness



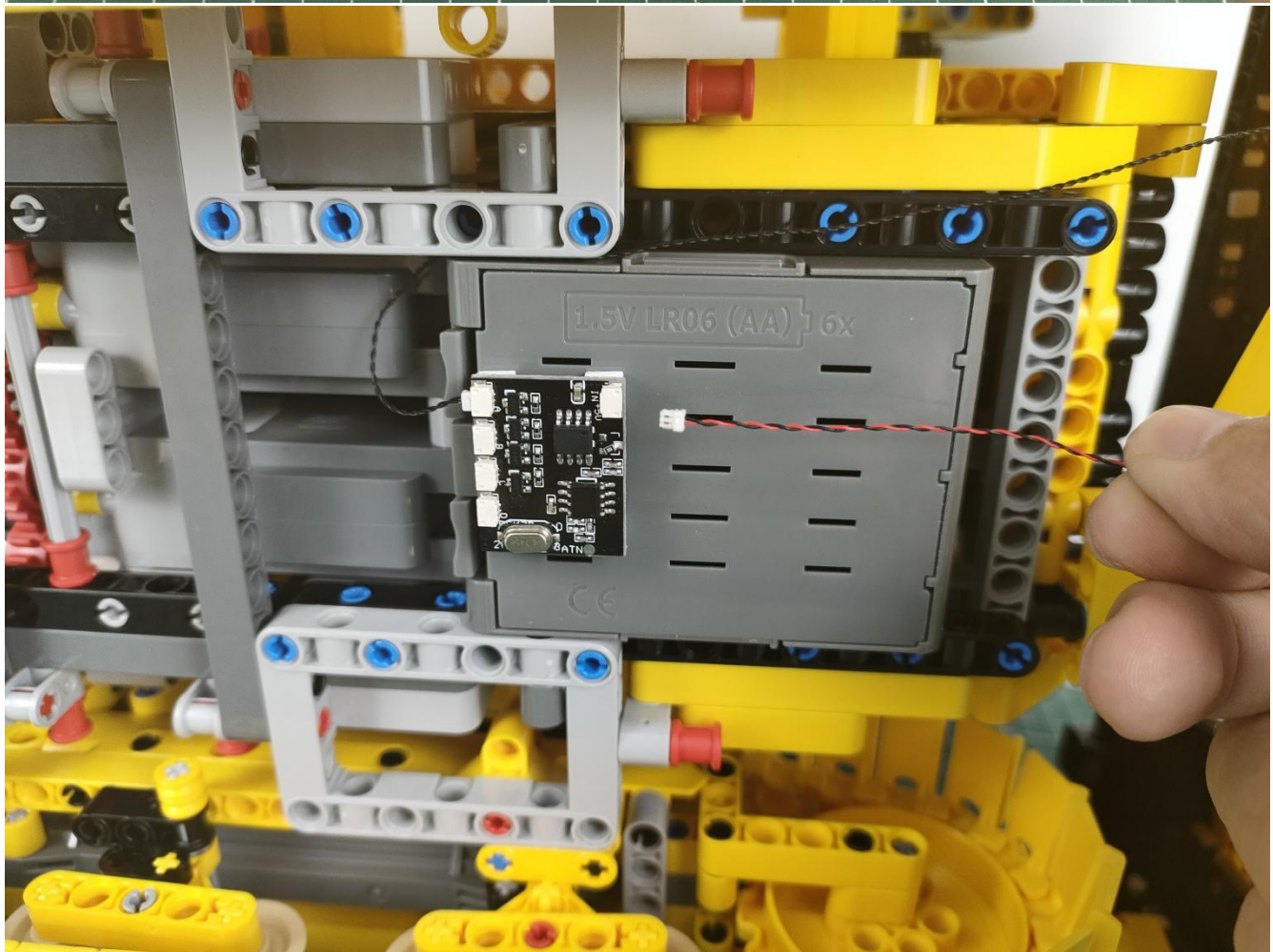


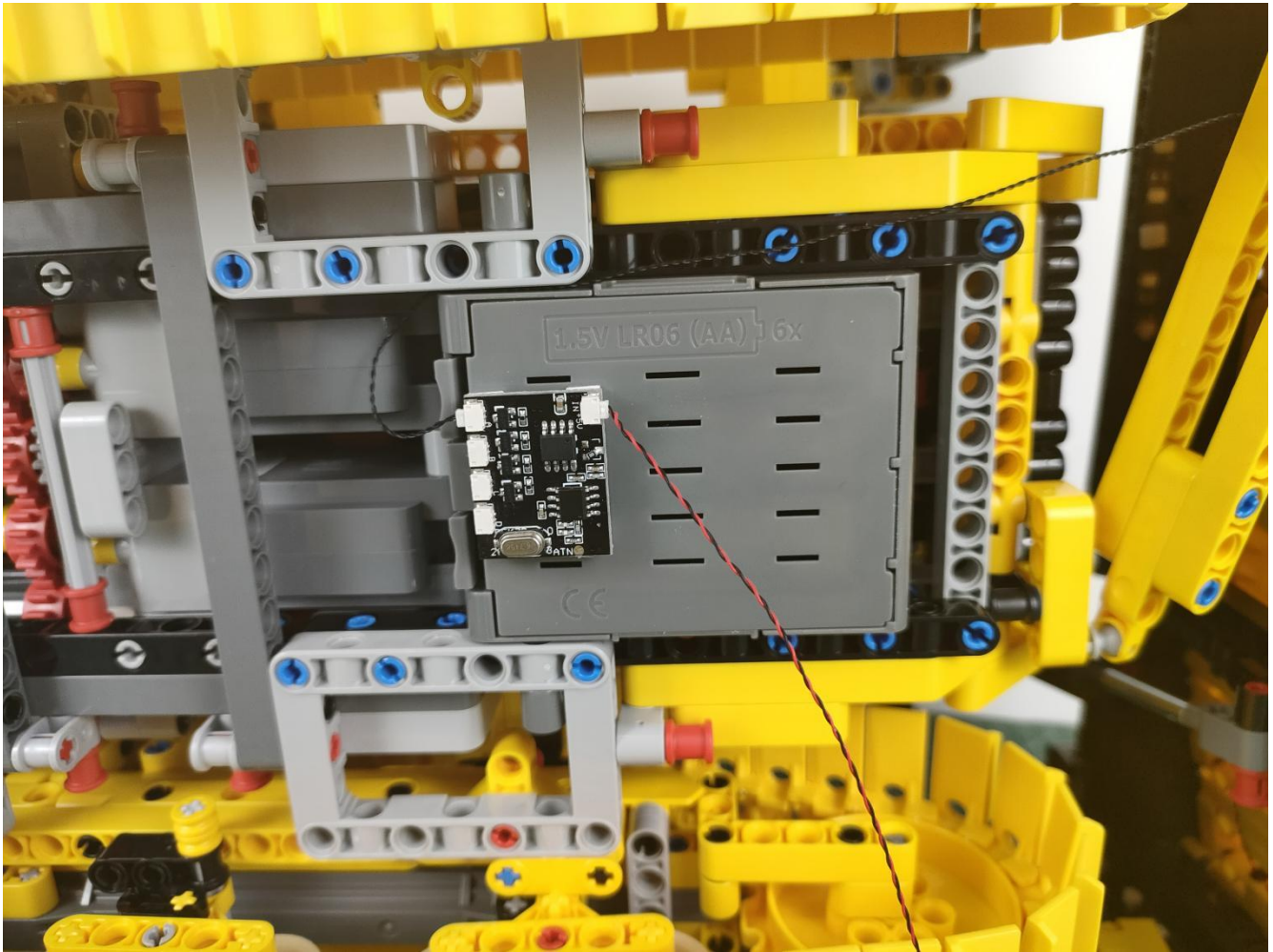


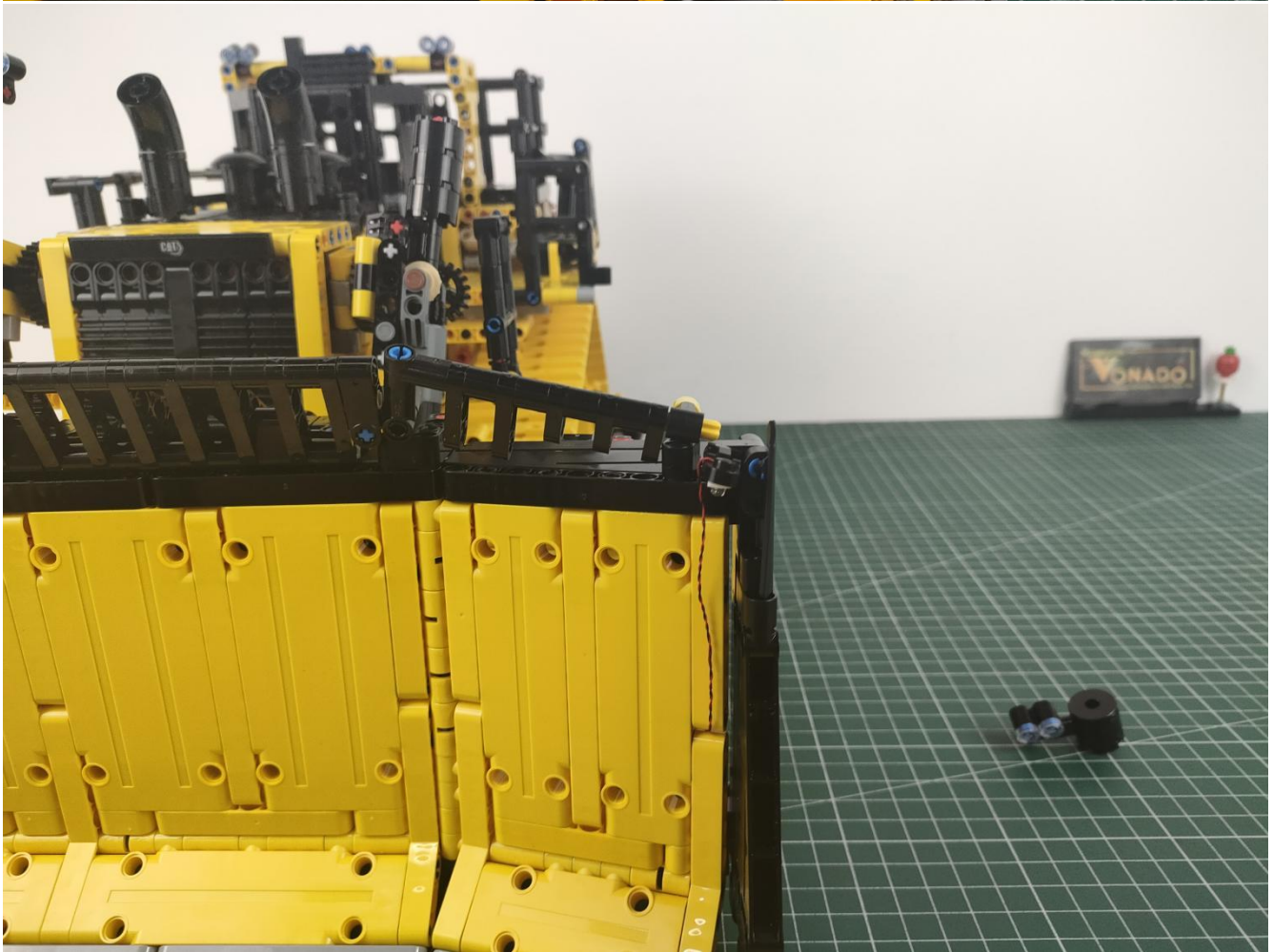


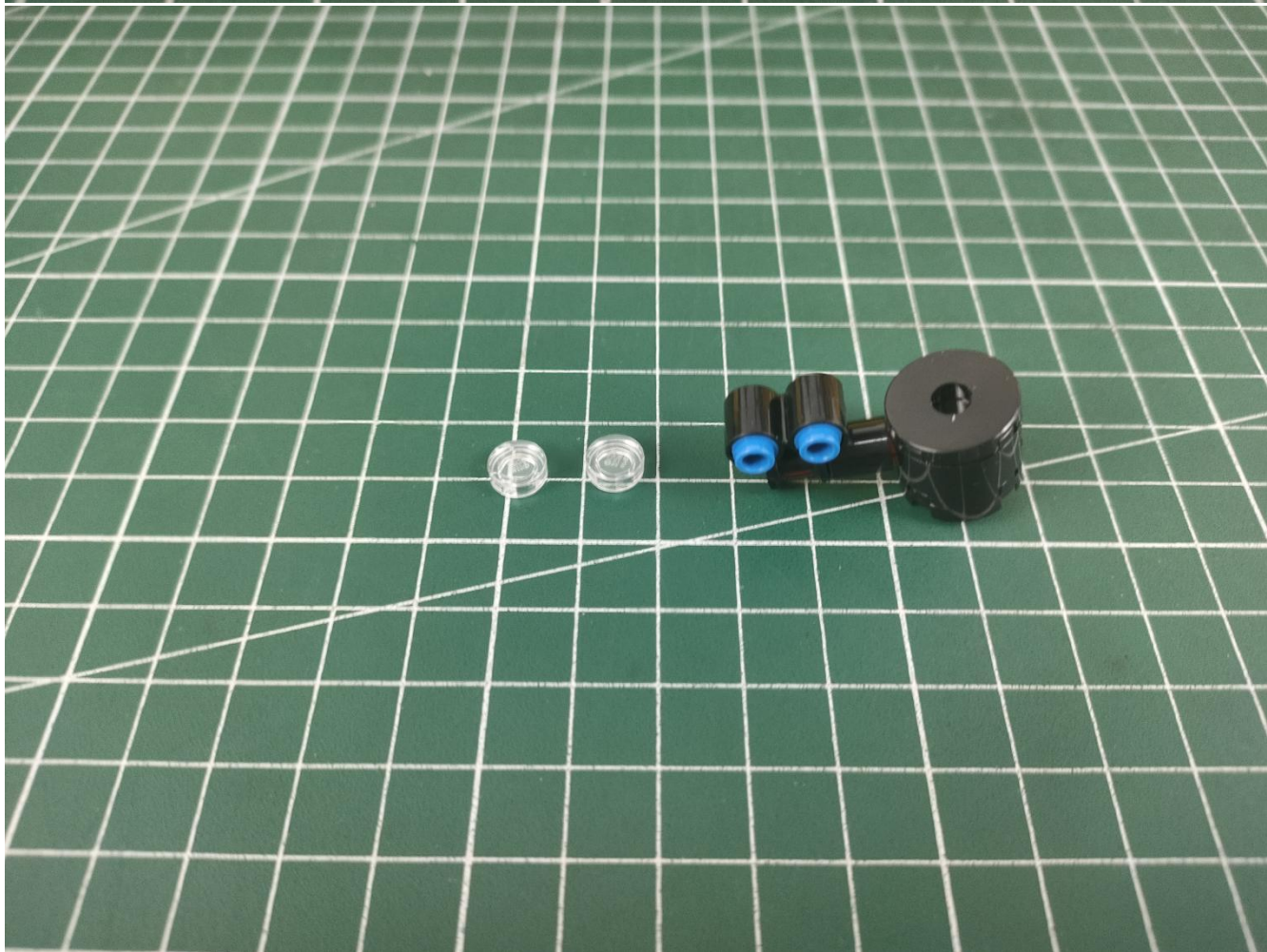
**Place the overly long connecting wires in the gaps between the grey building blocks.**

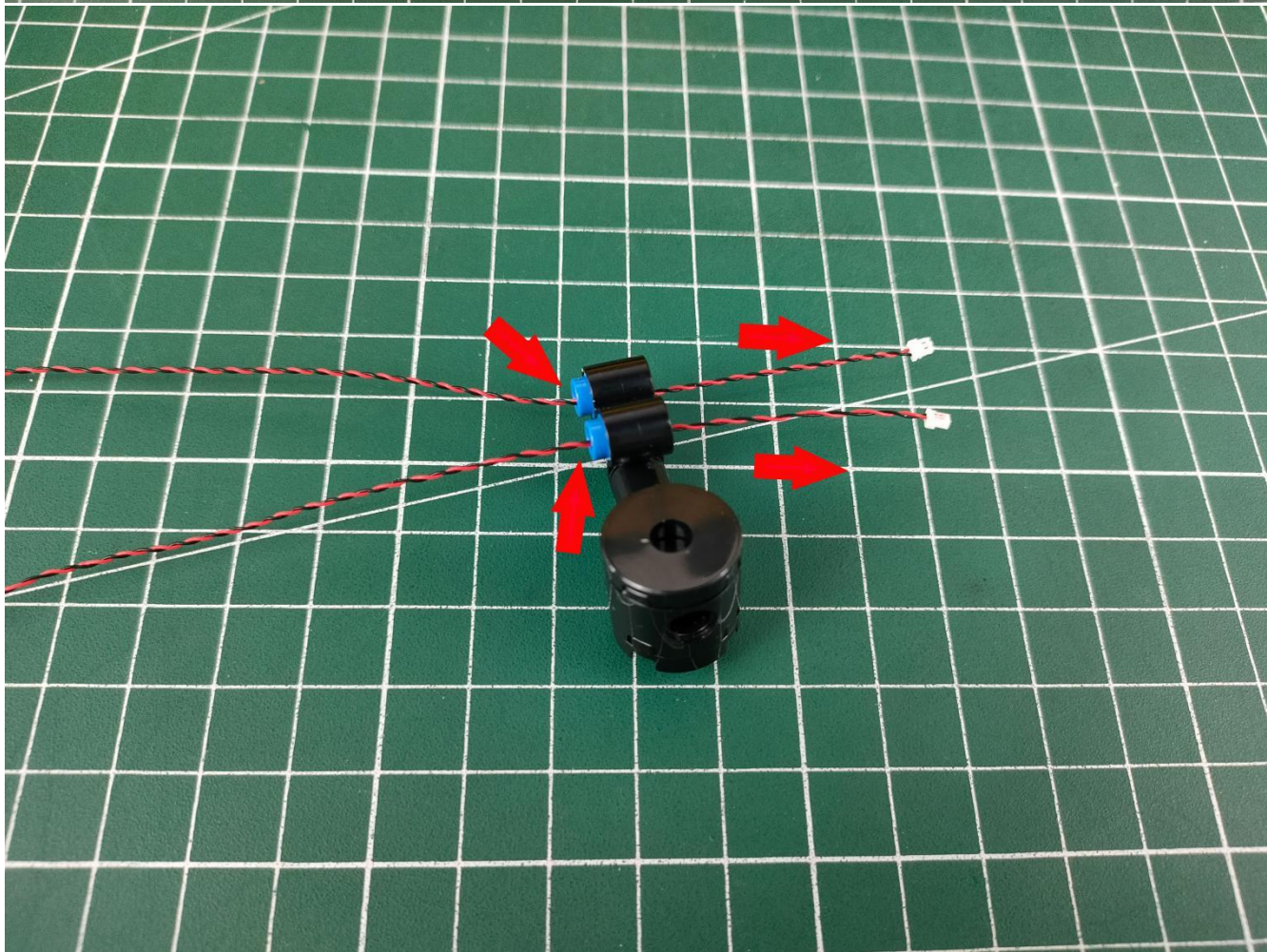


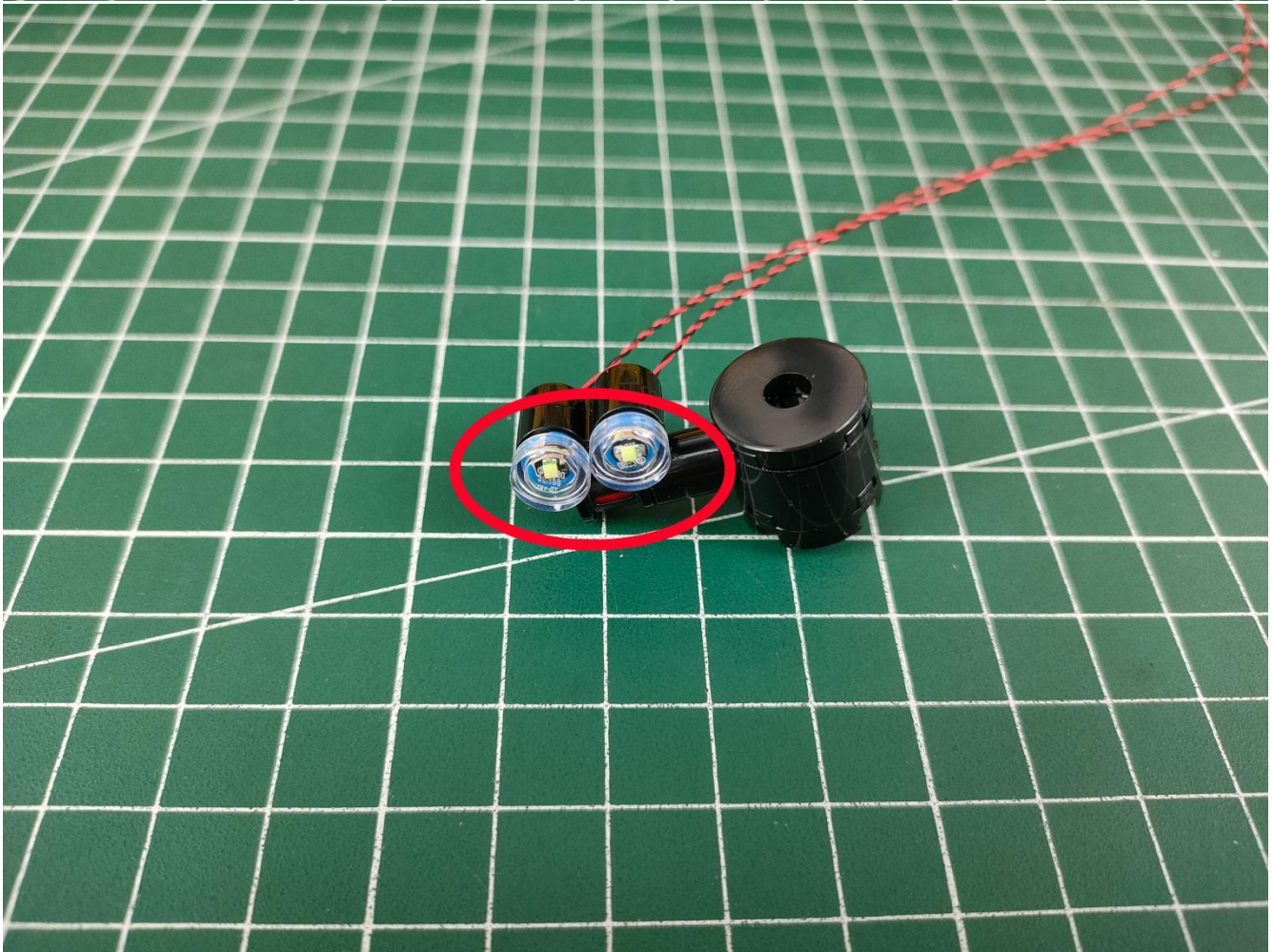
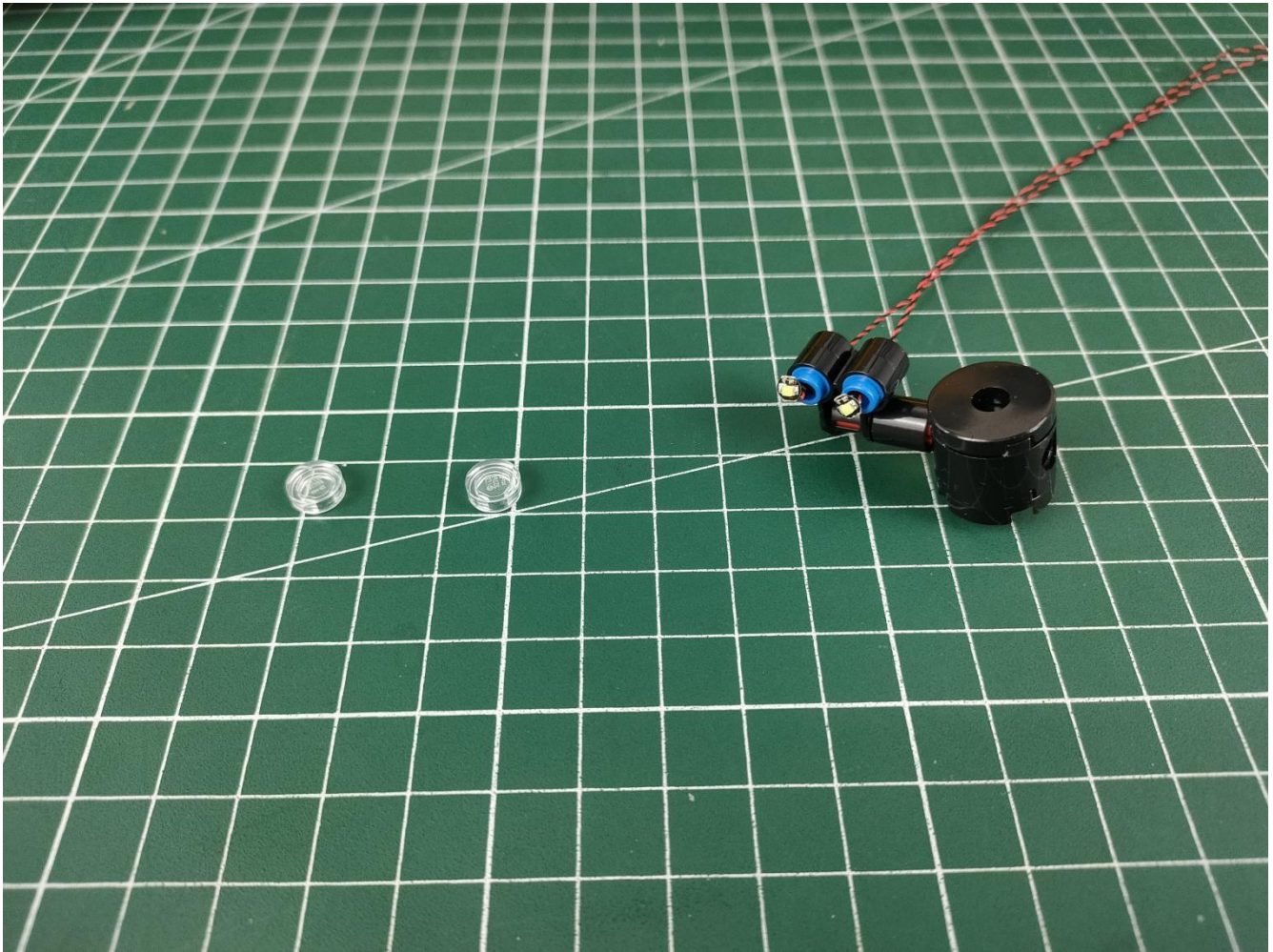




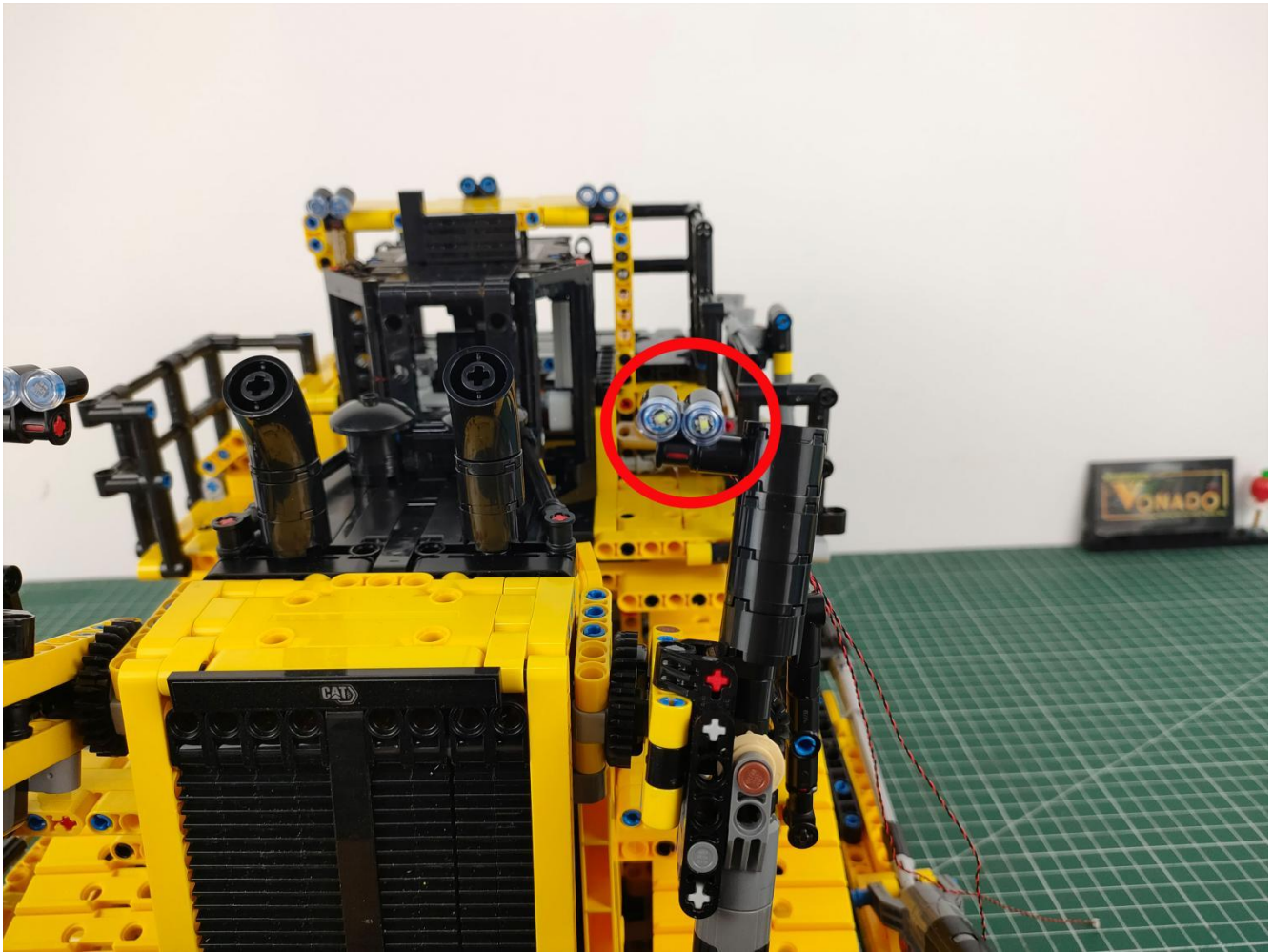


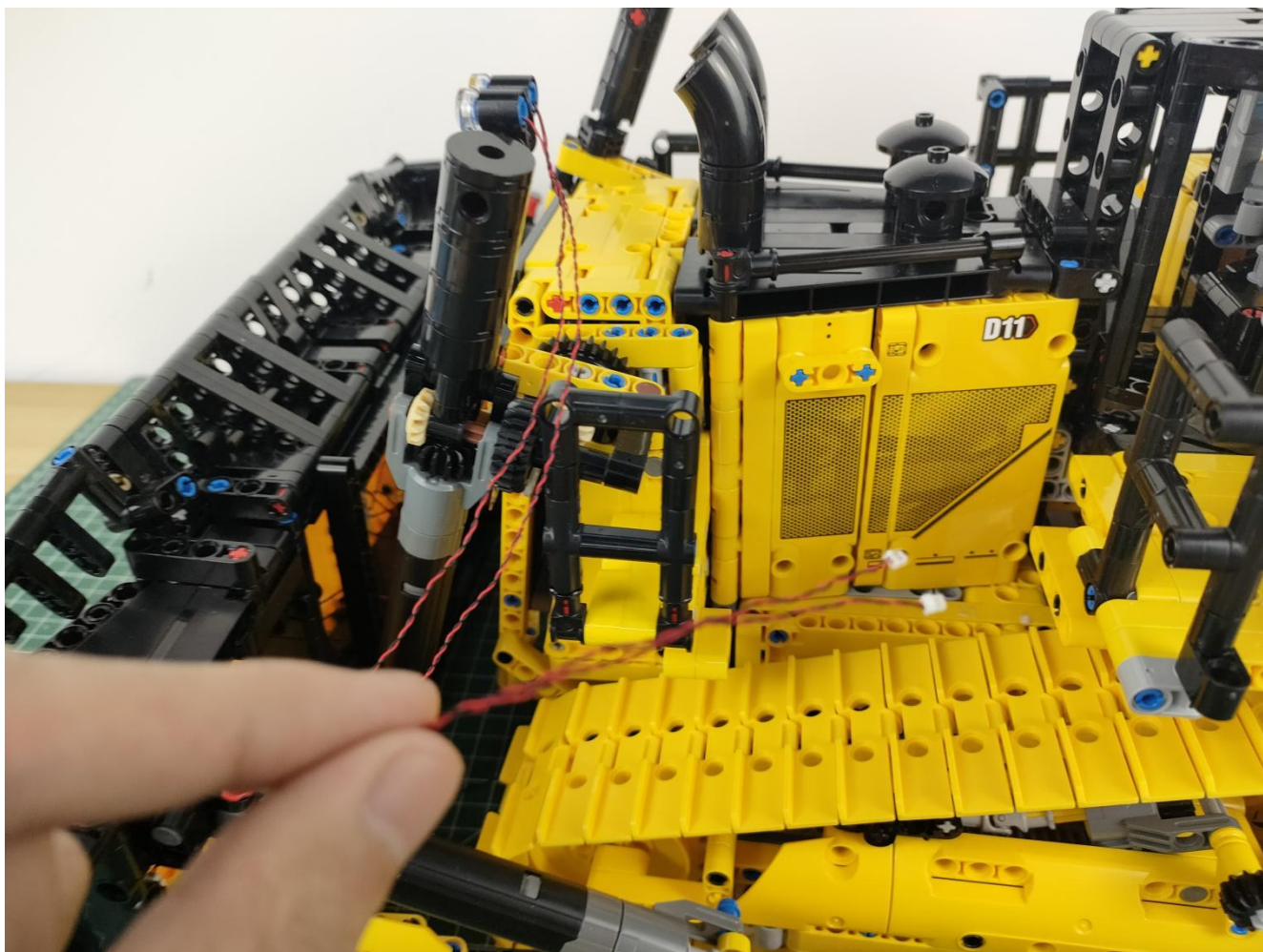




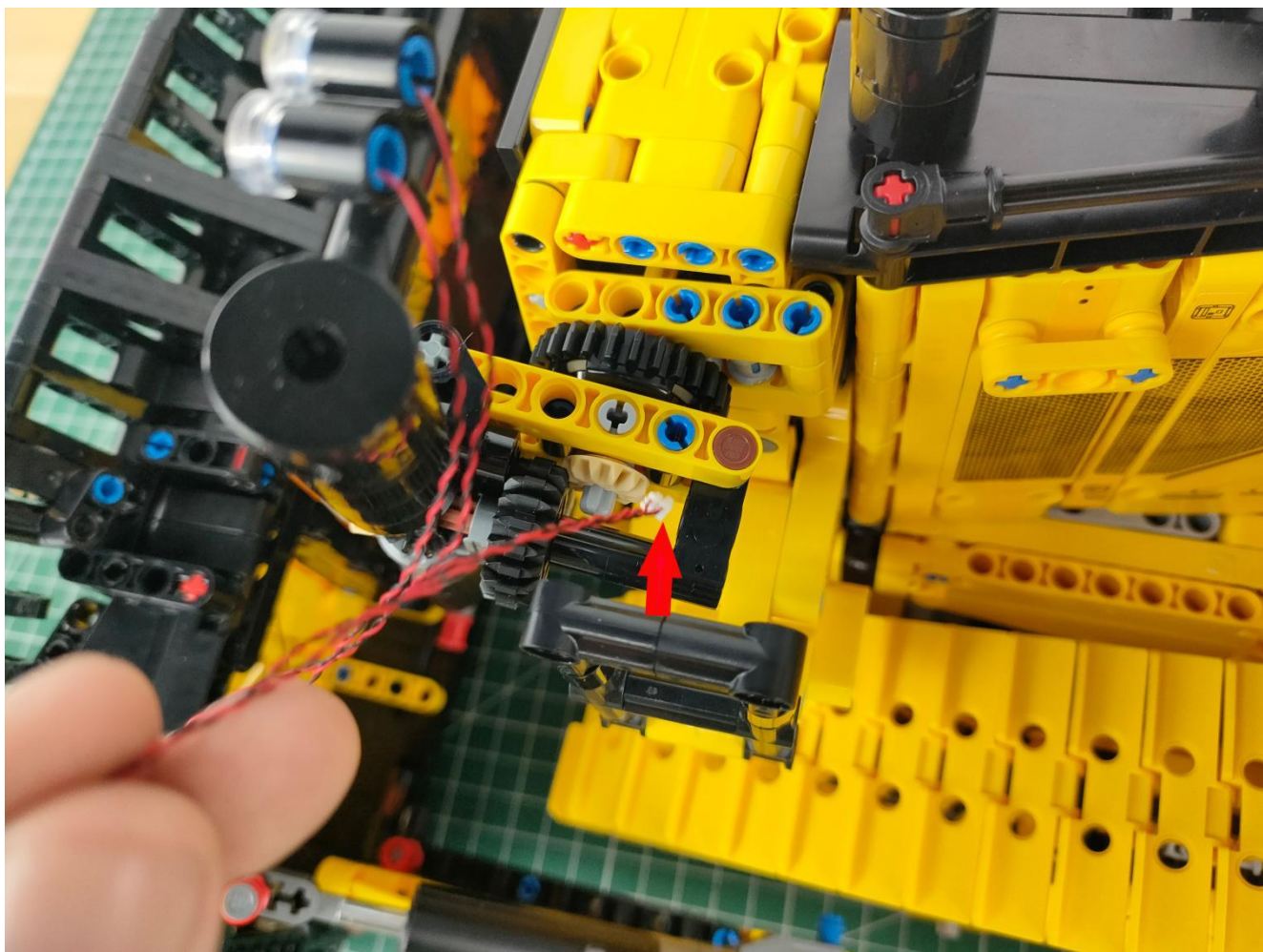




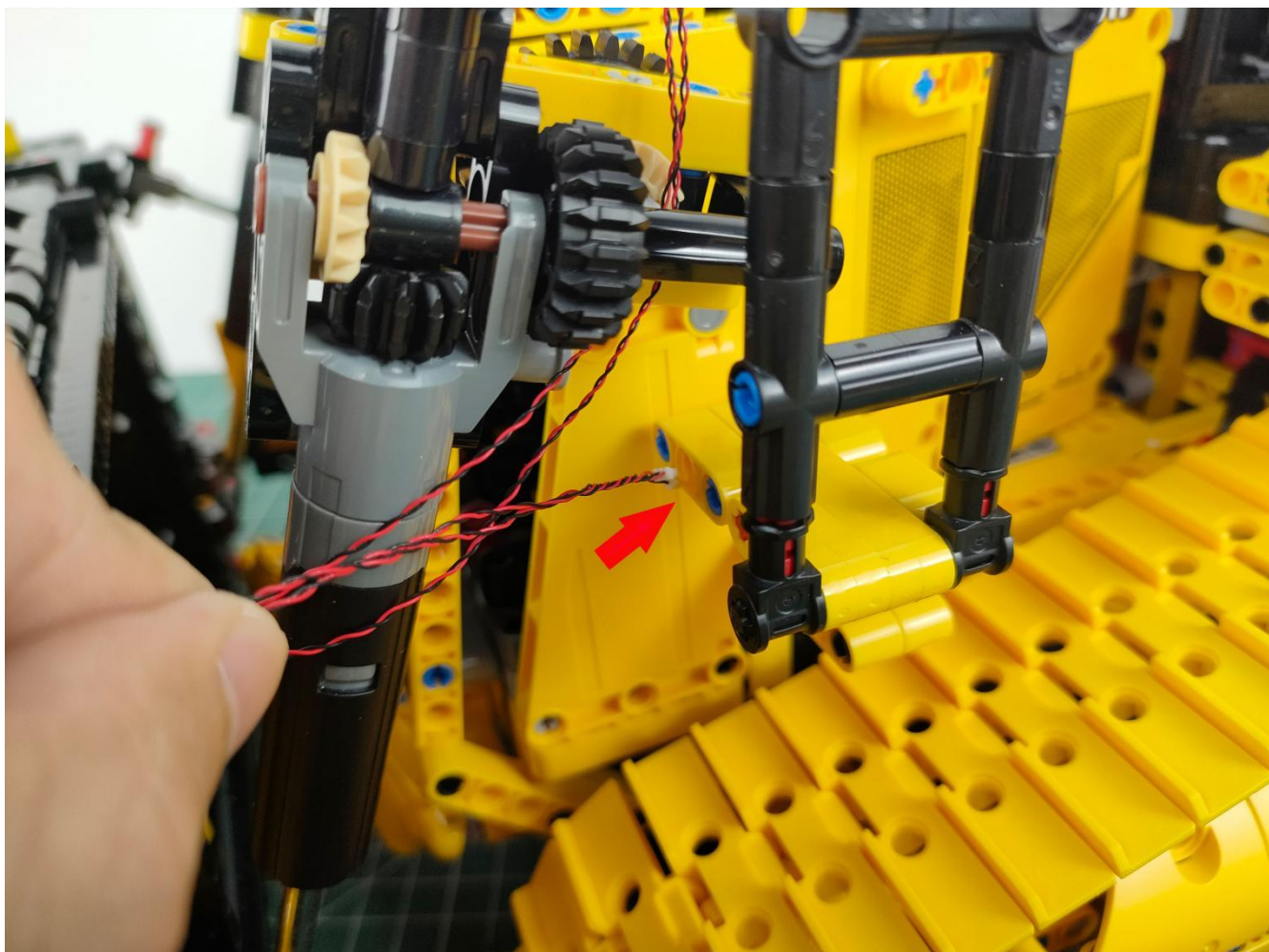


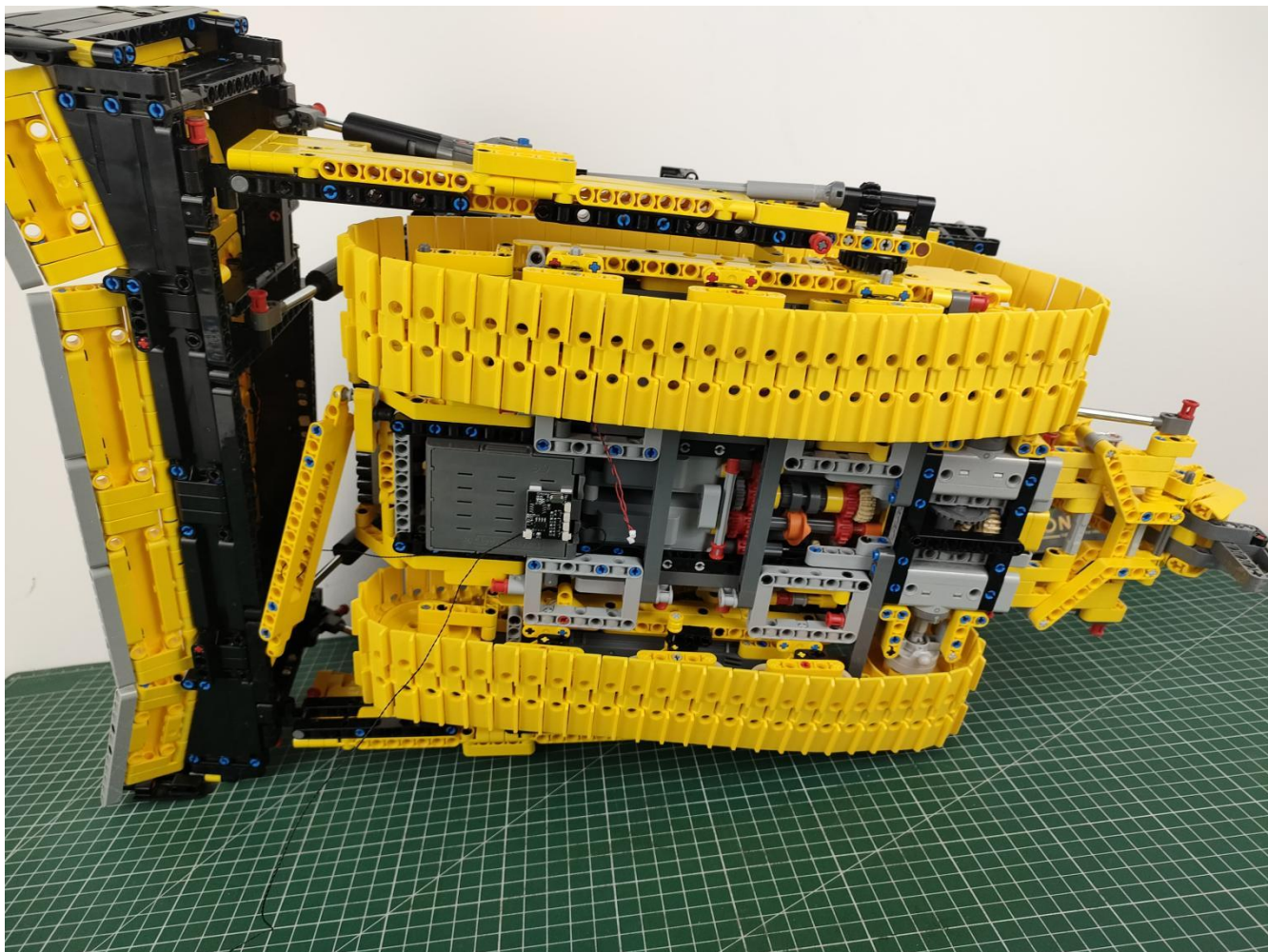


**Pass the lighting wire through the gap in the yellow block assembly in the picture.**

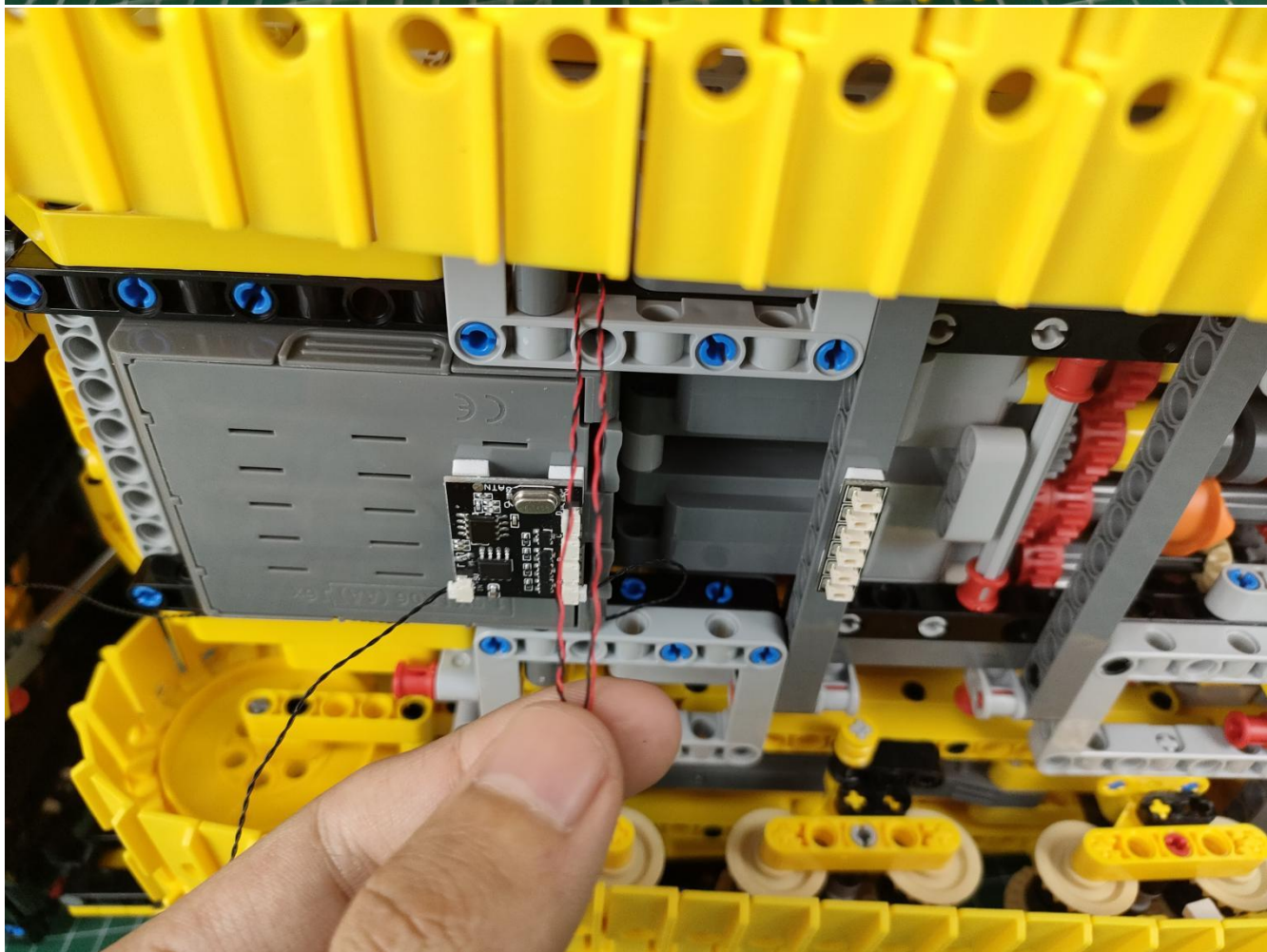
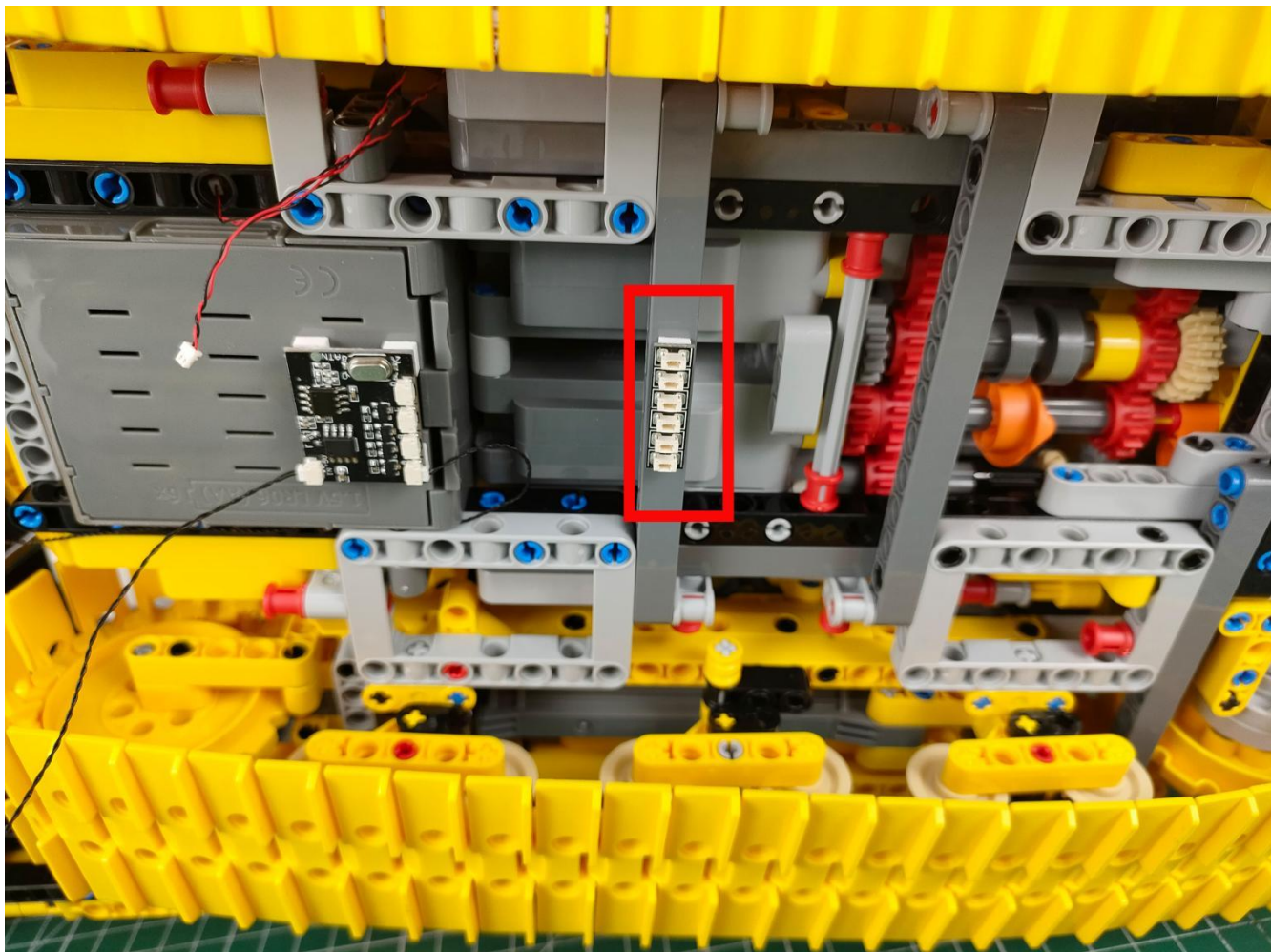


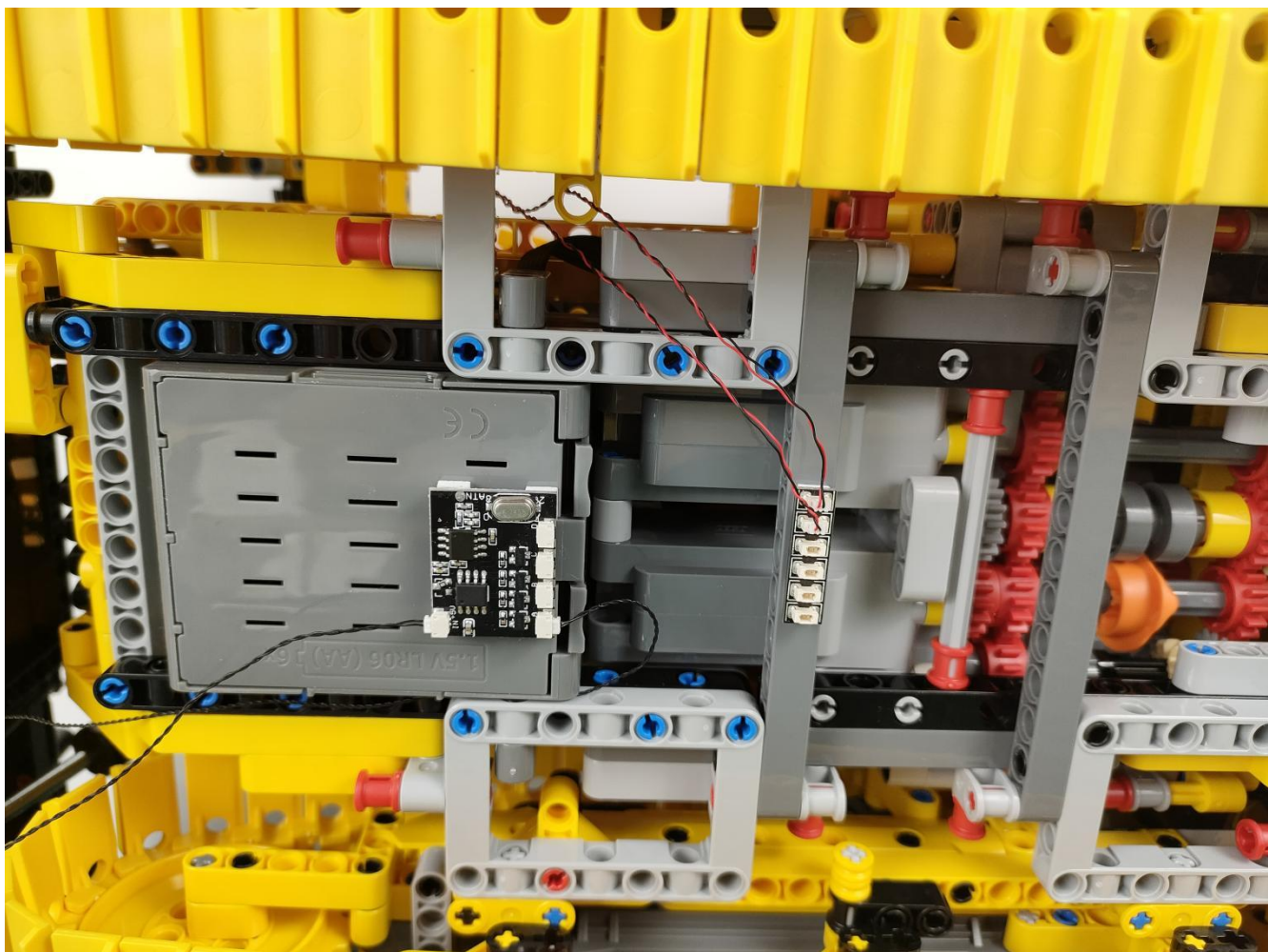
**Continue to thread the light wire through the small hole in the yellow block assembly and pull the light wire towards the bottom.**



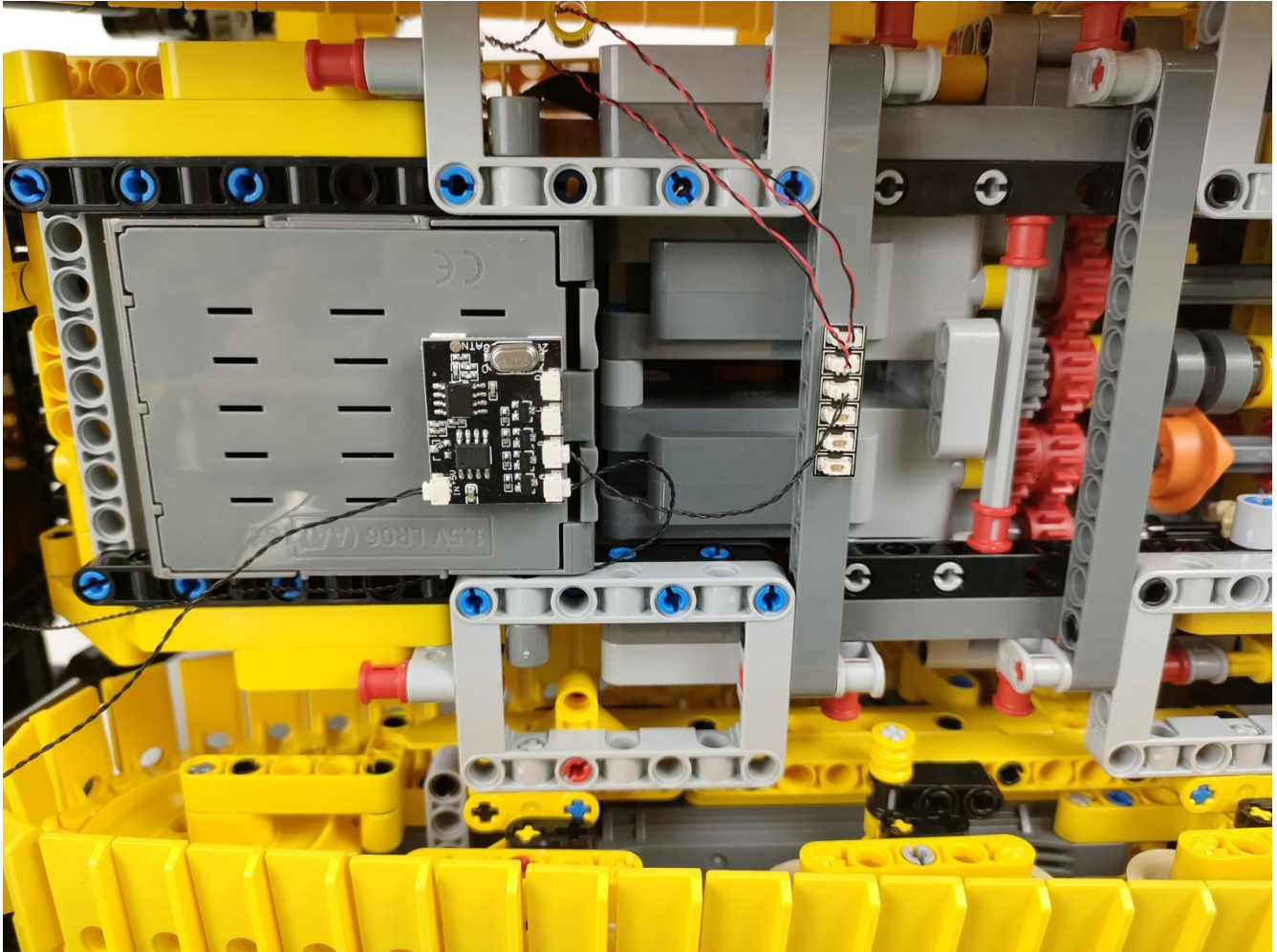
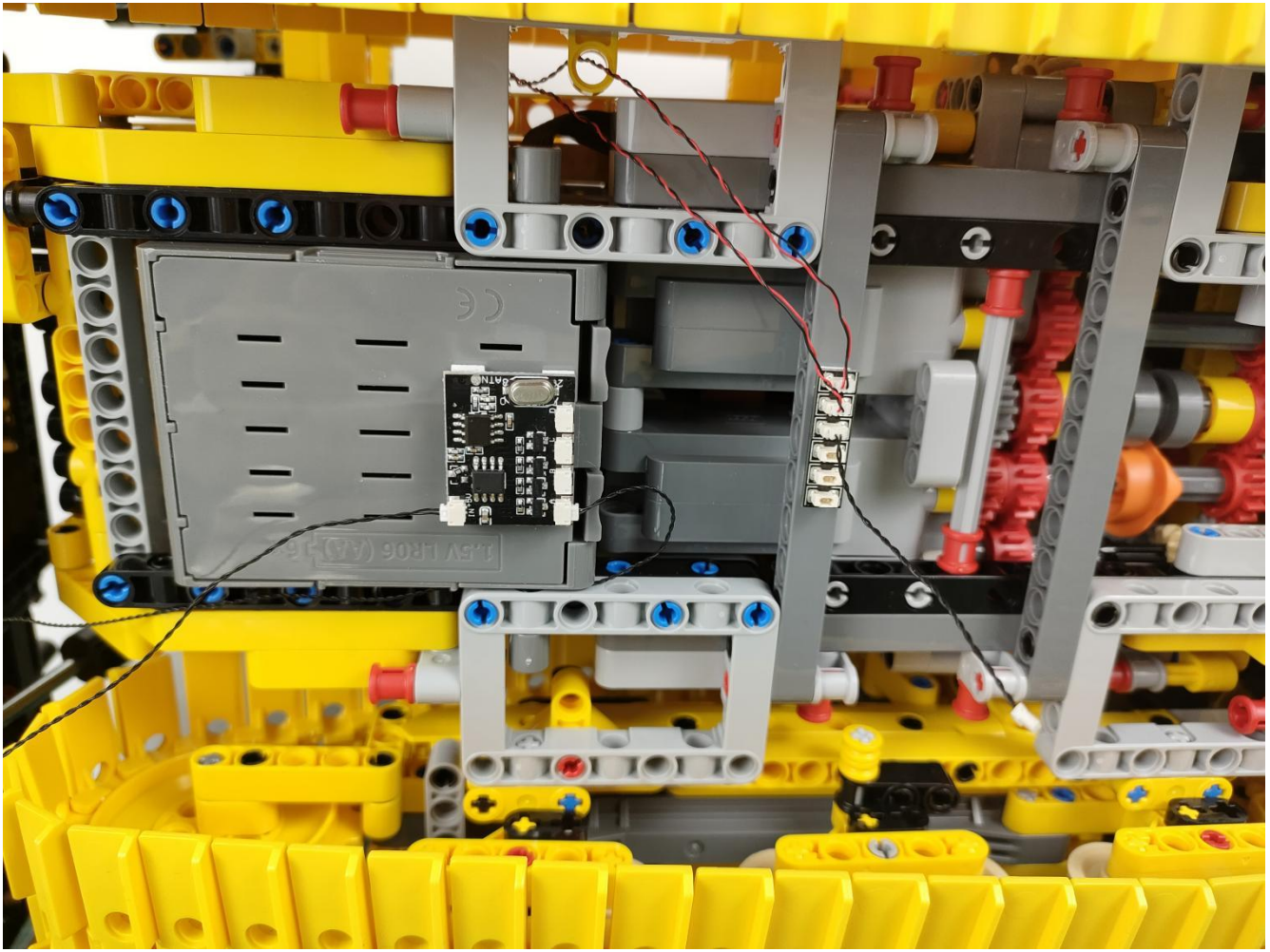


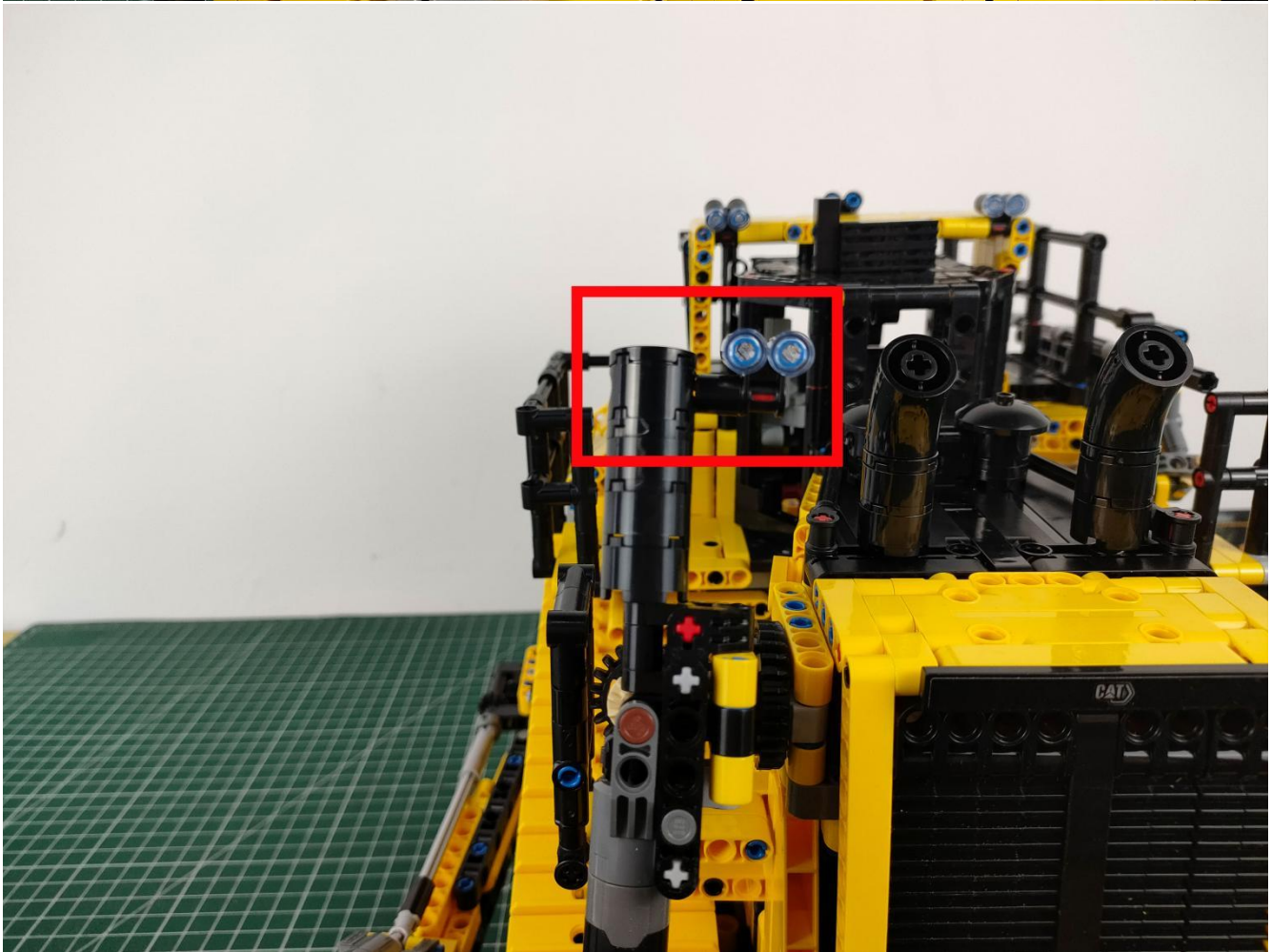
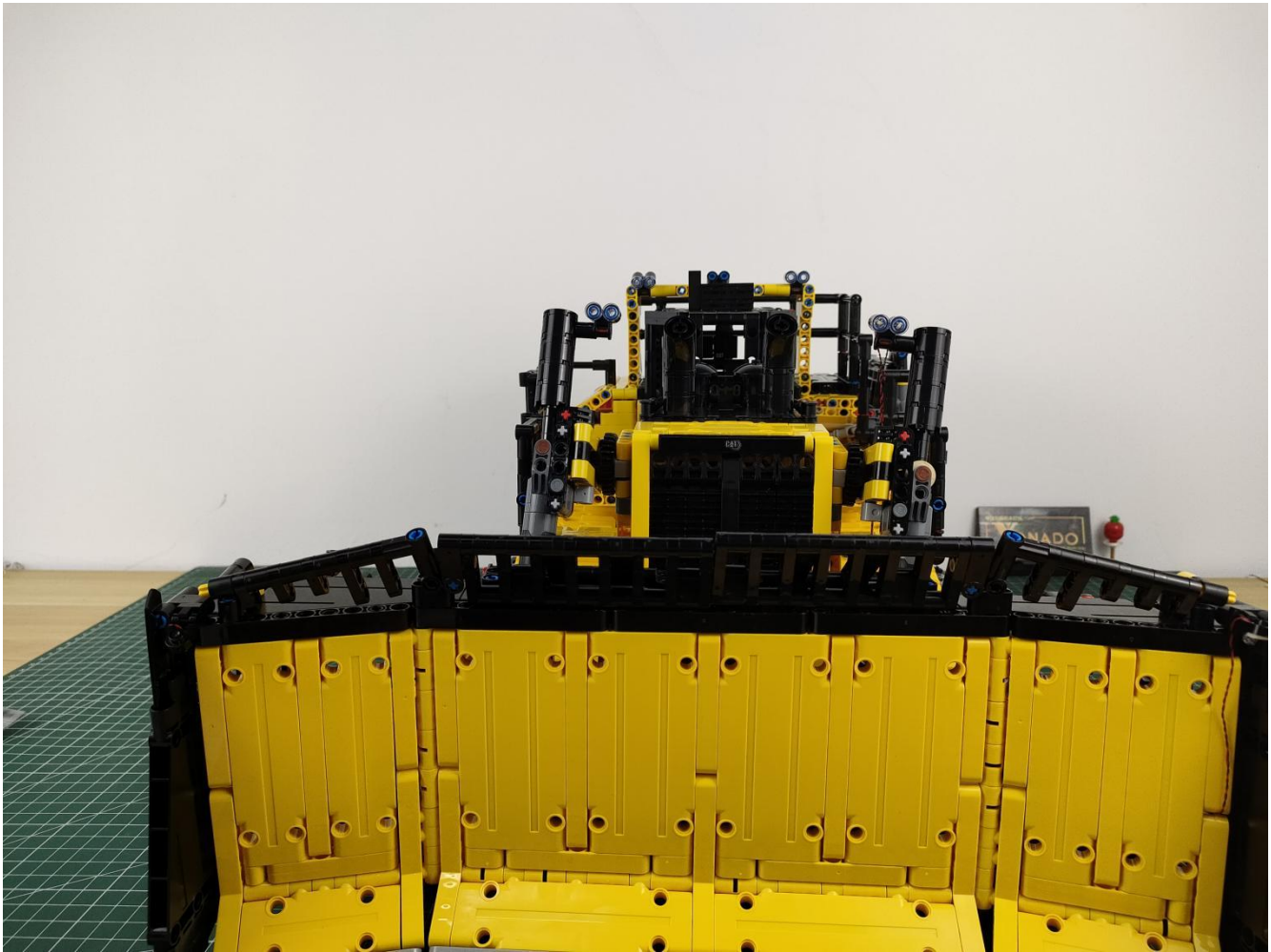


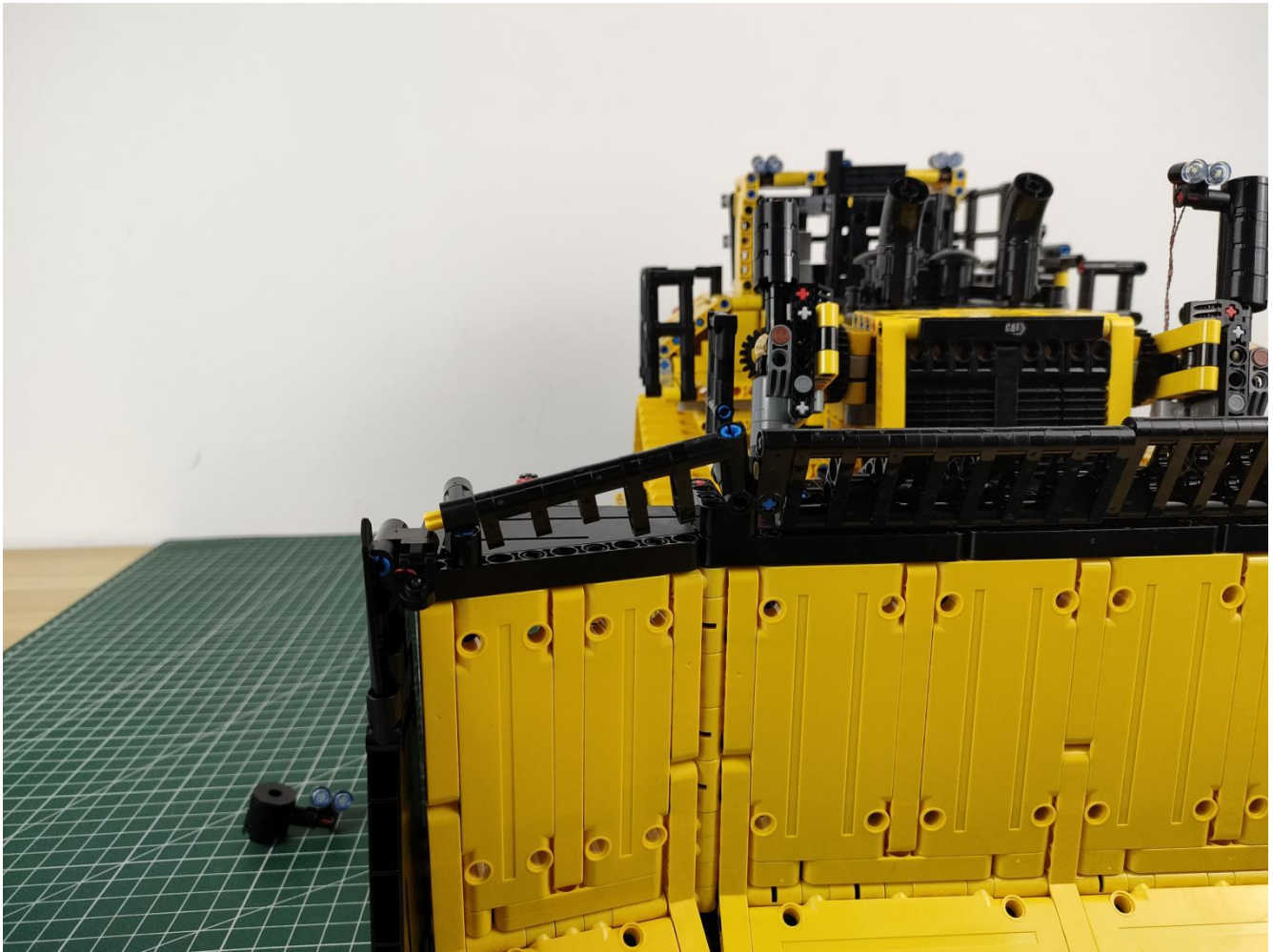


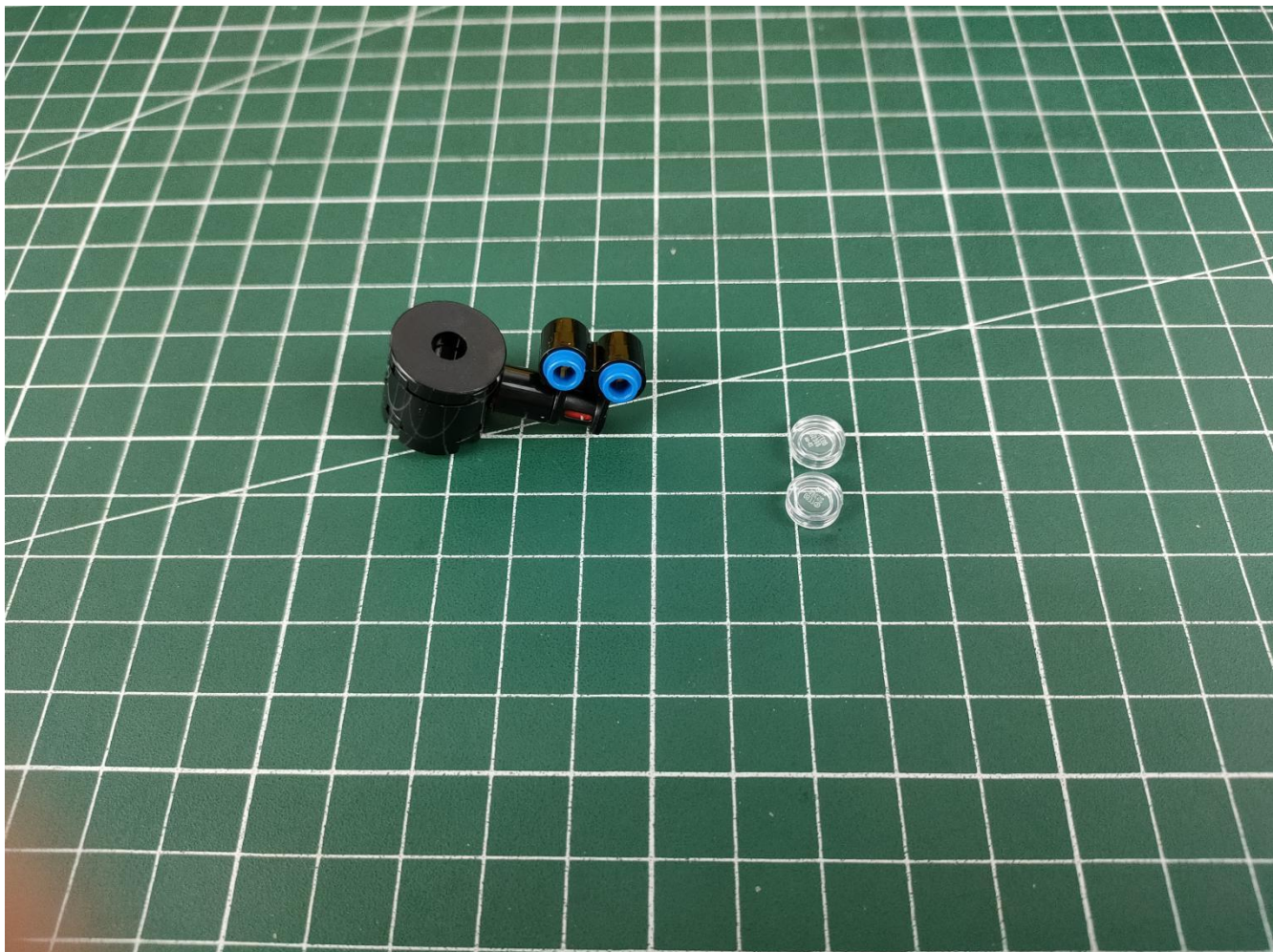


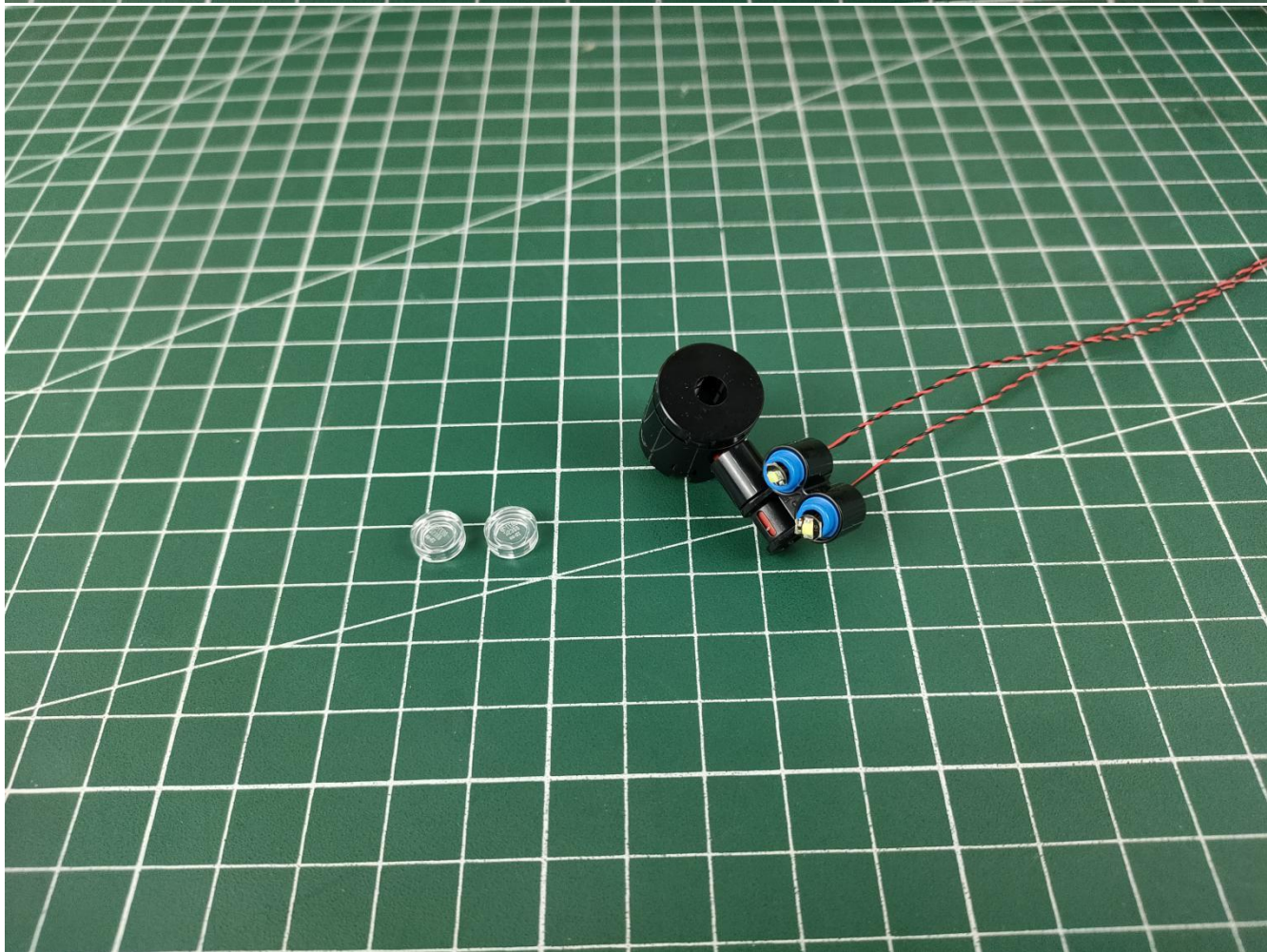
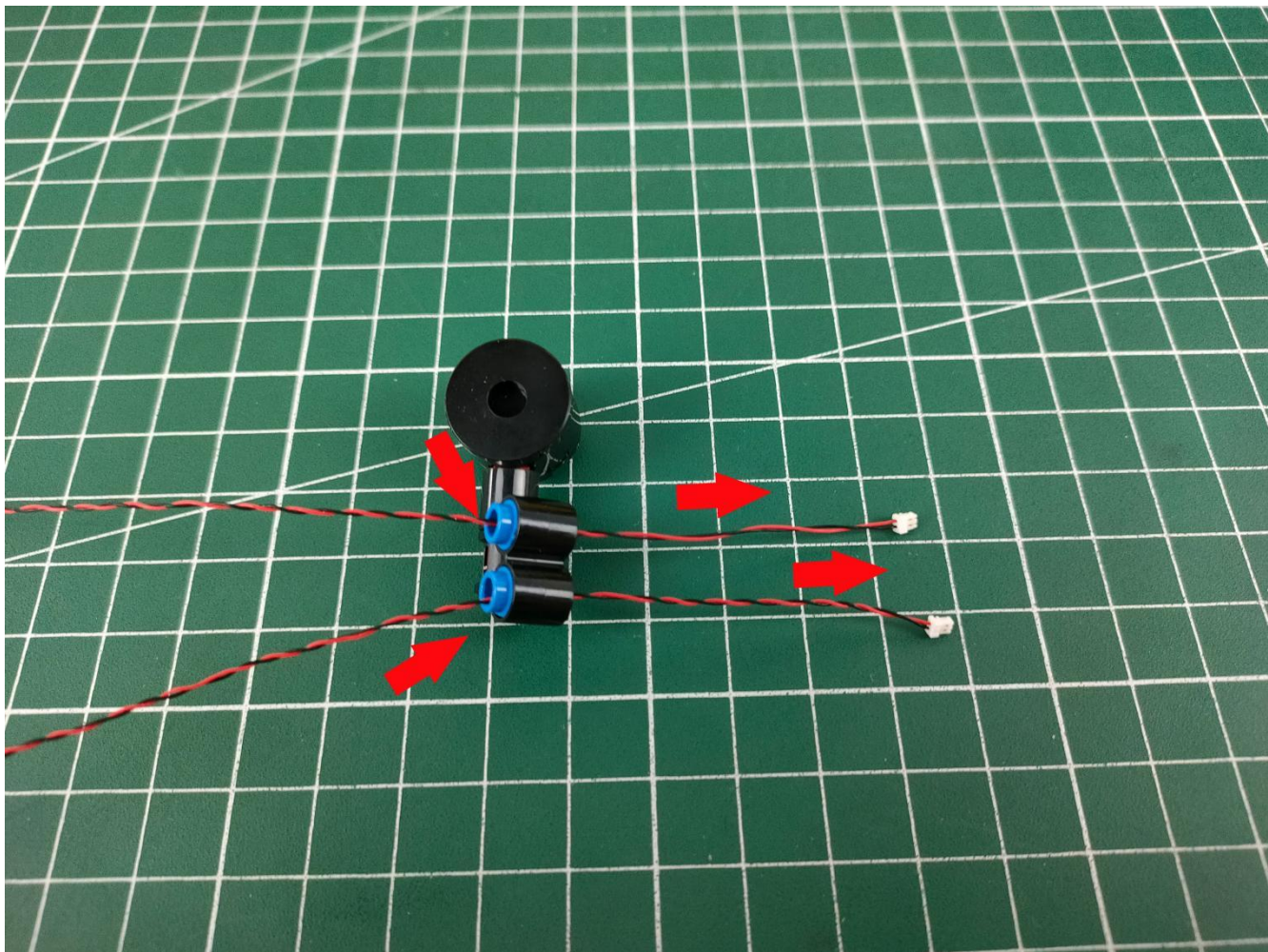


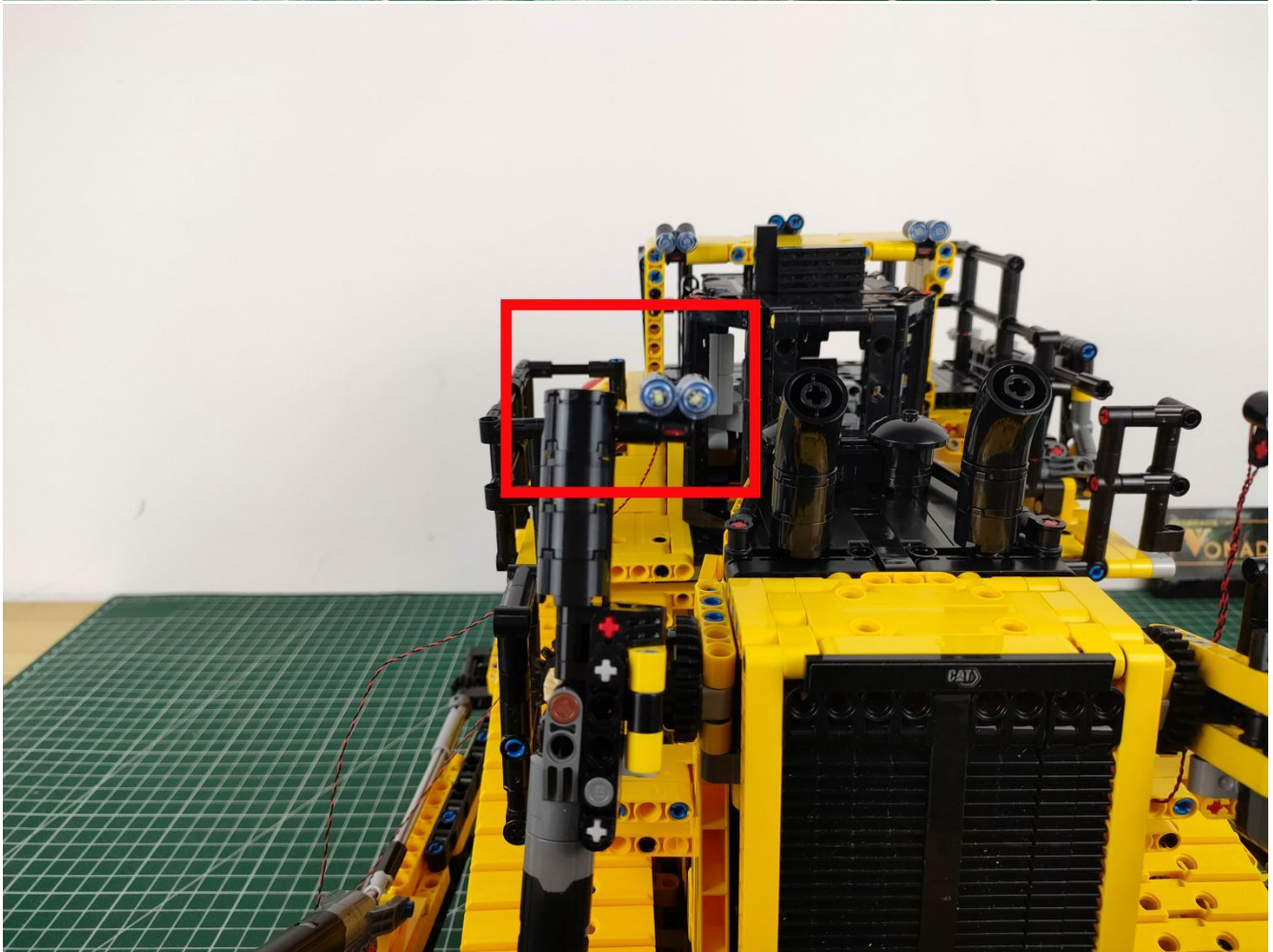
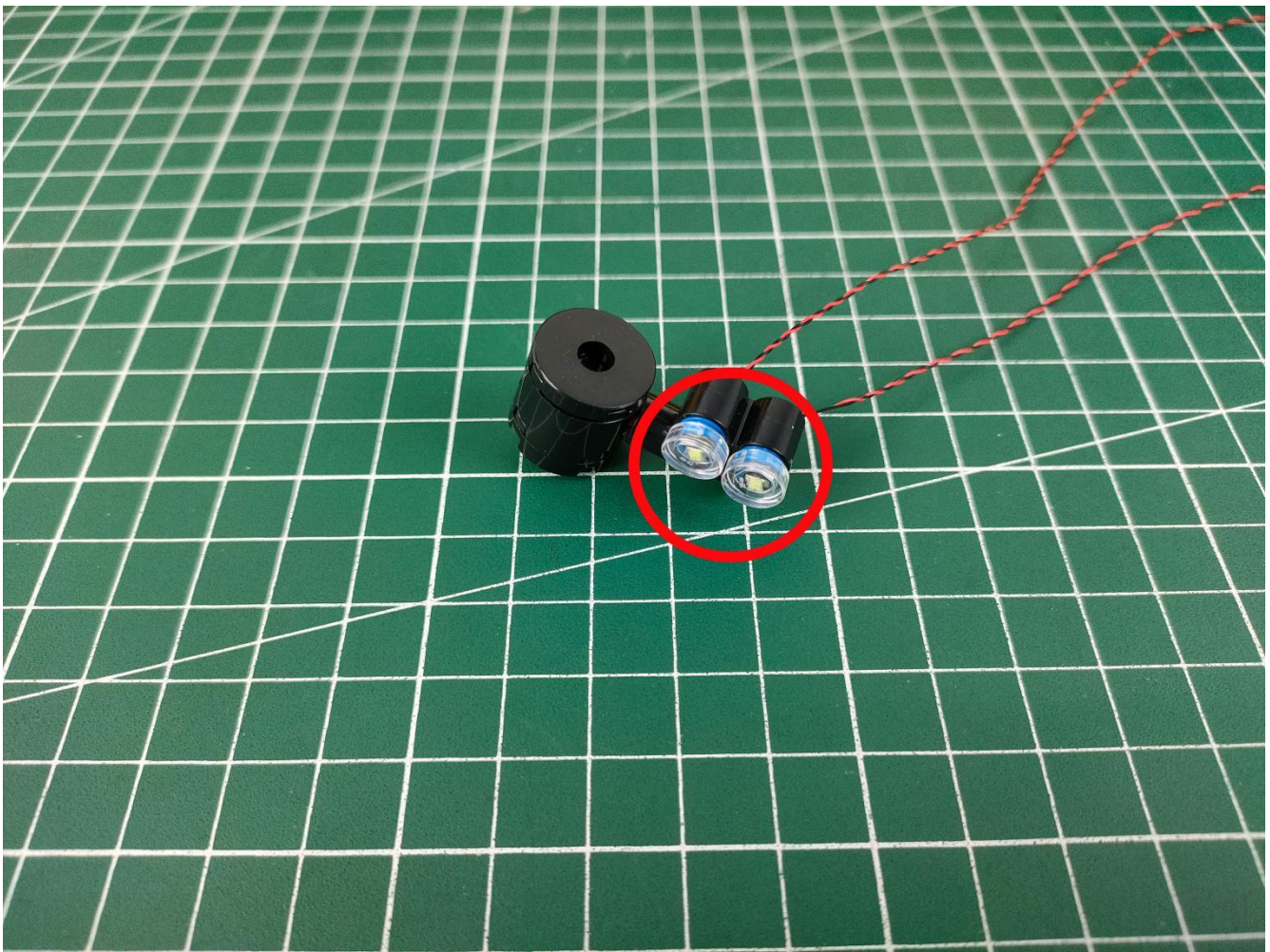


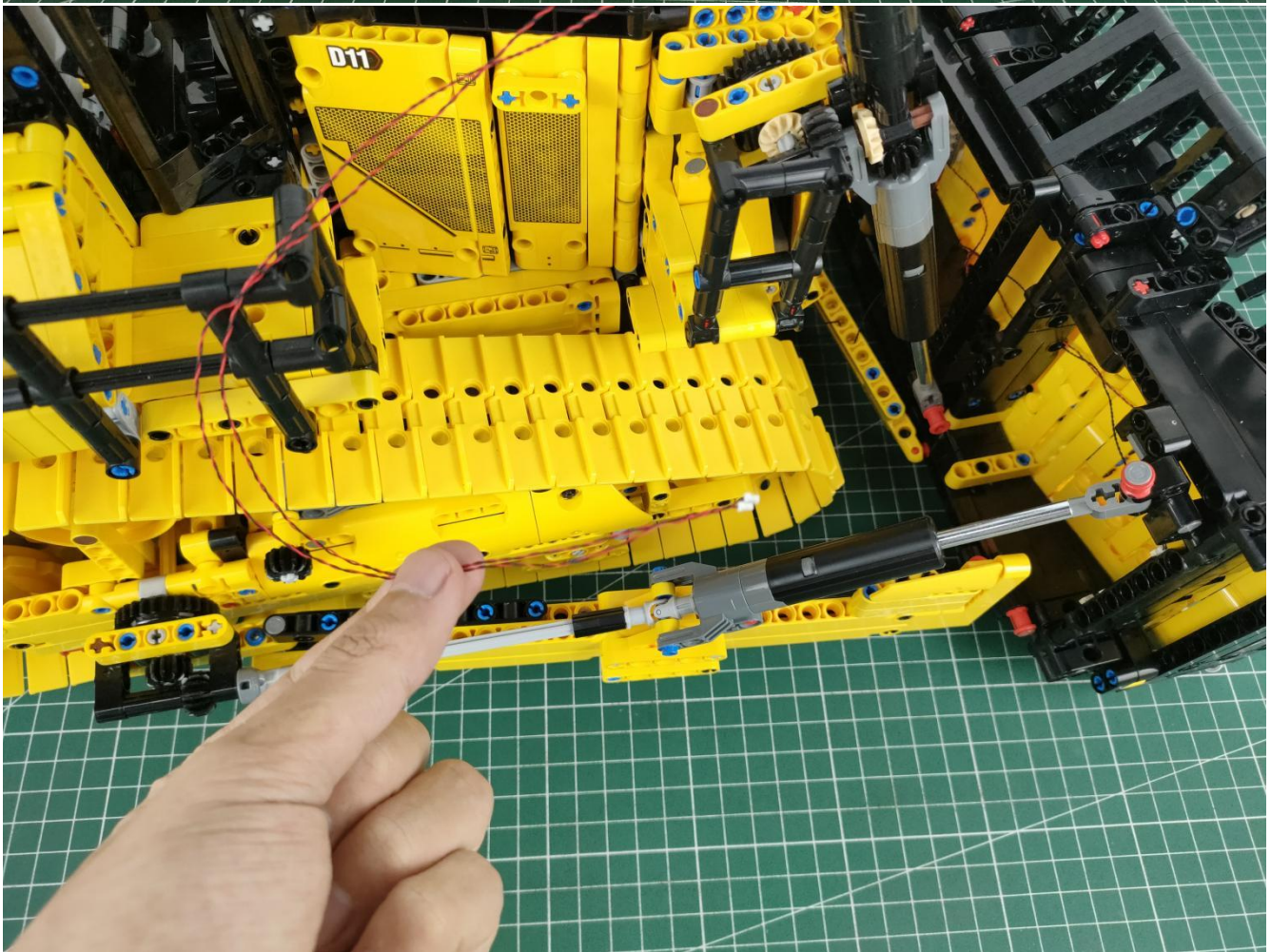
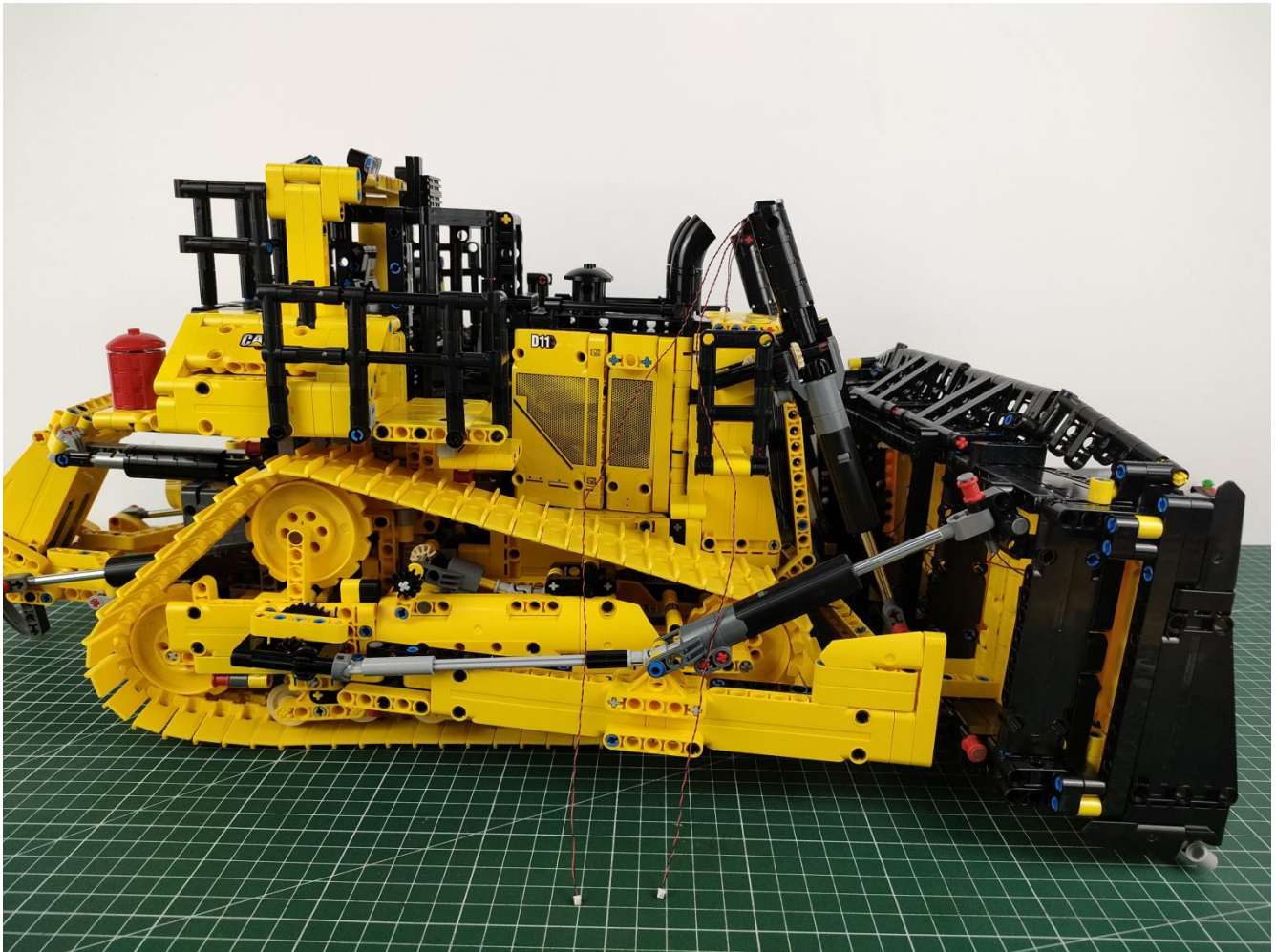


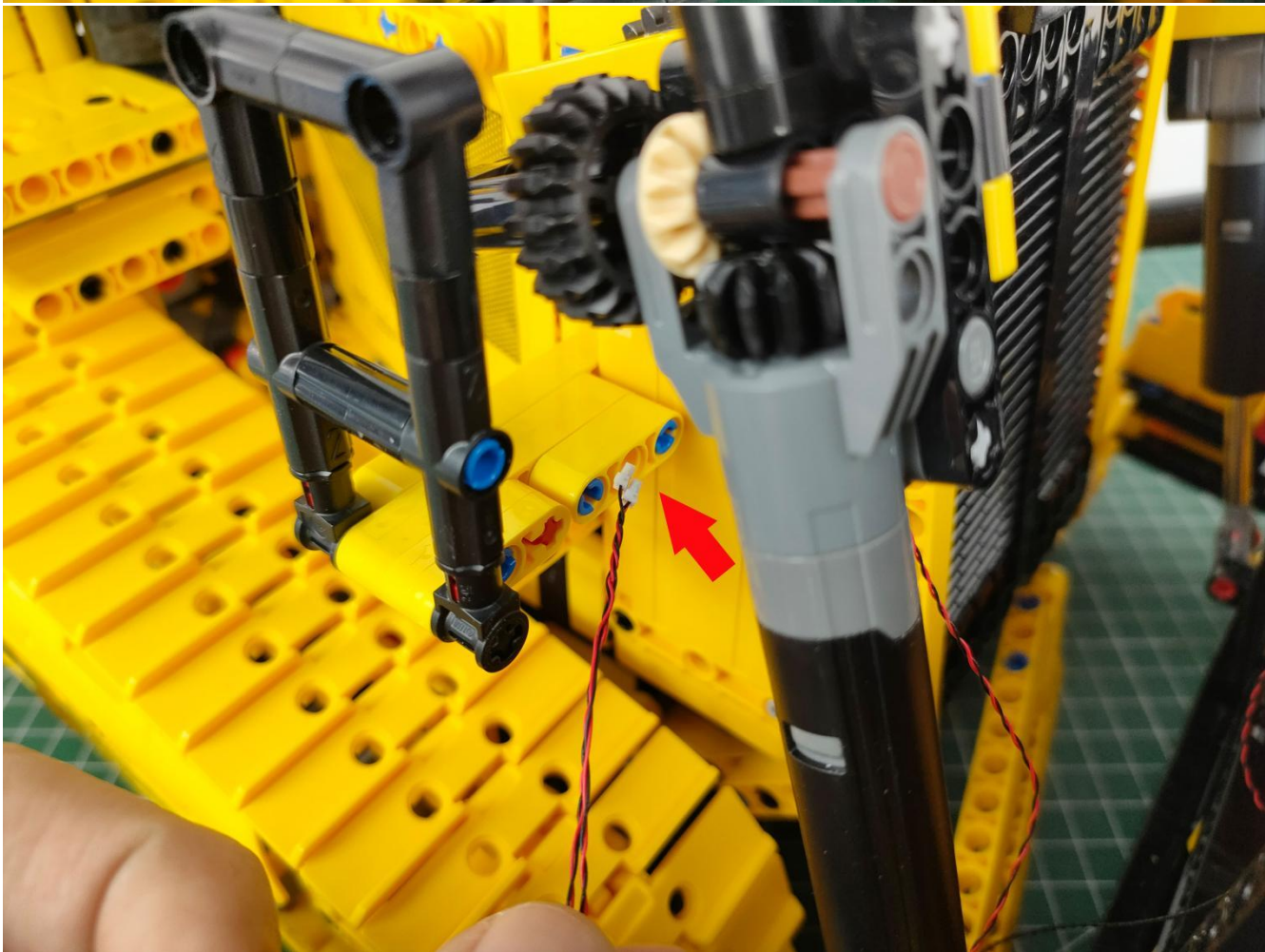
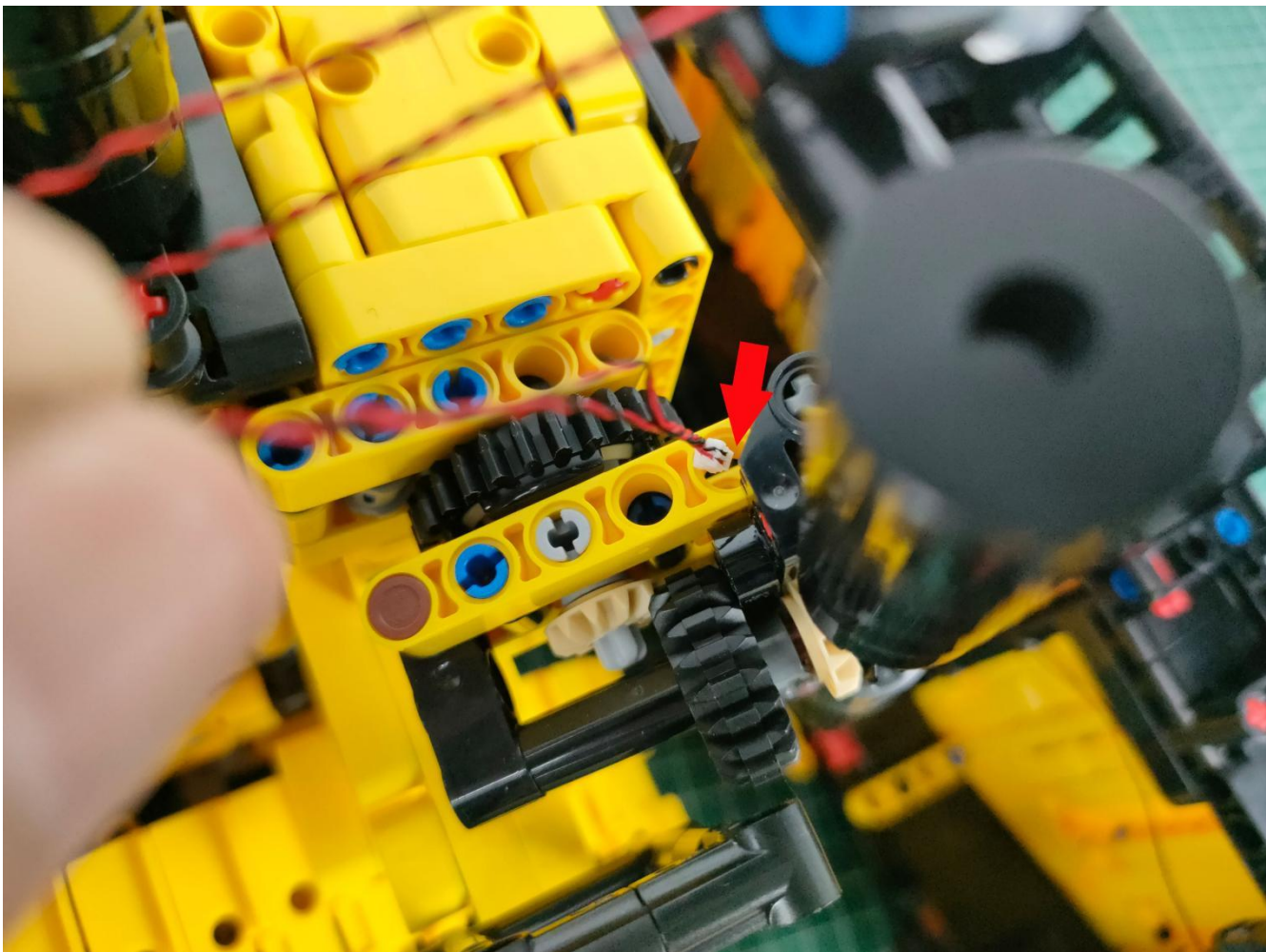






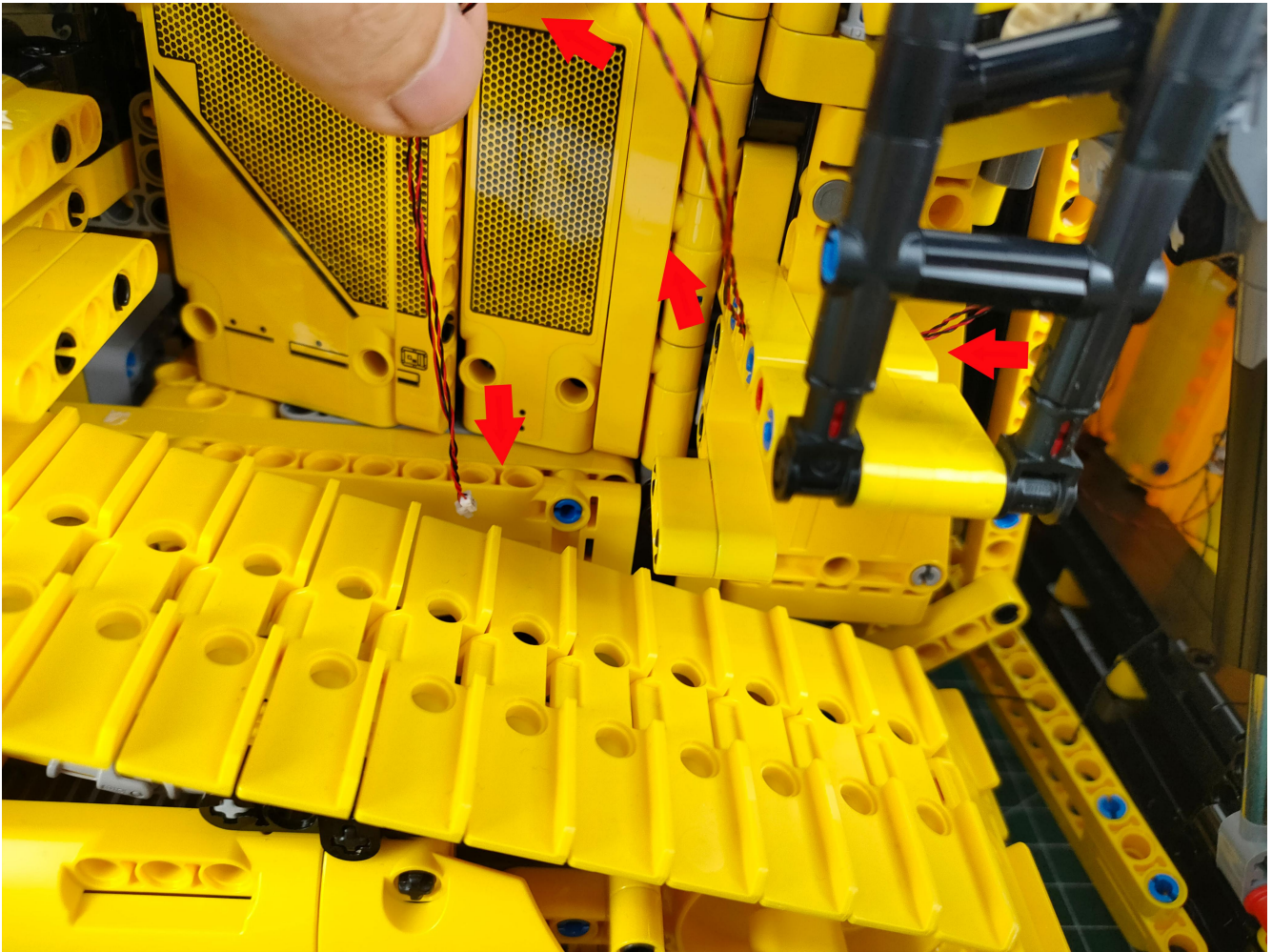


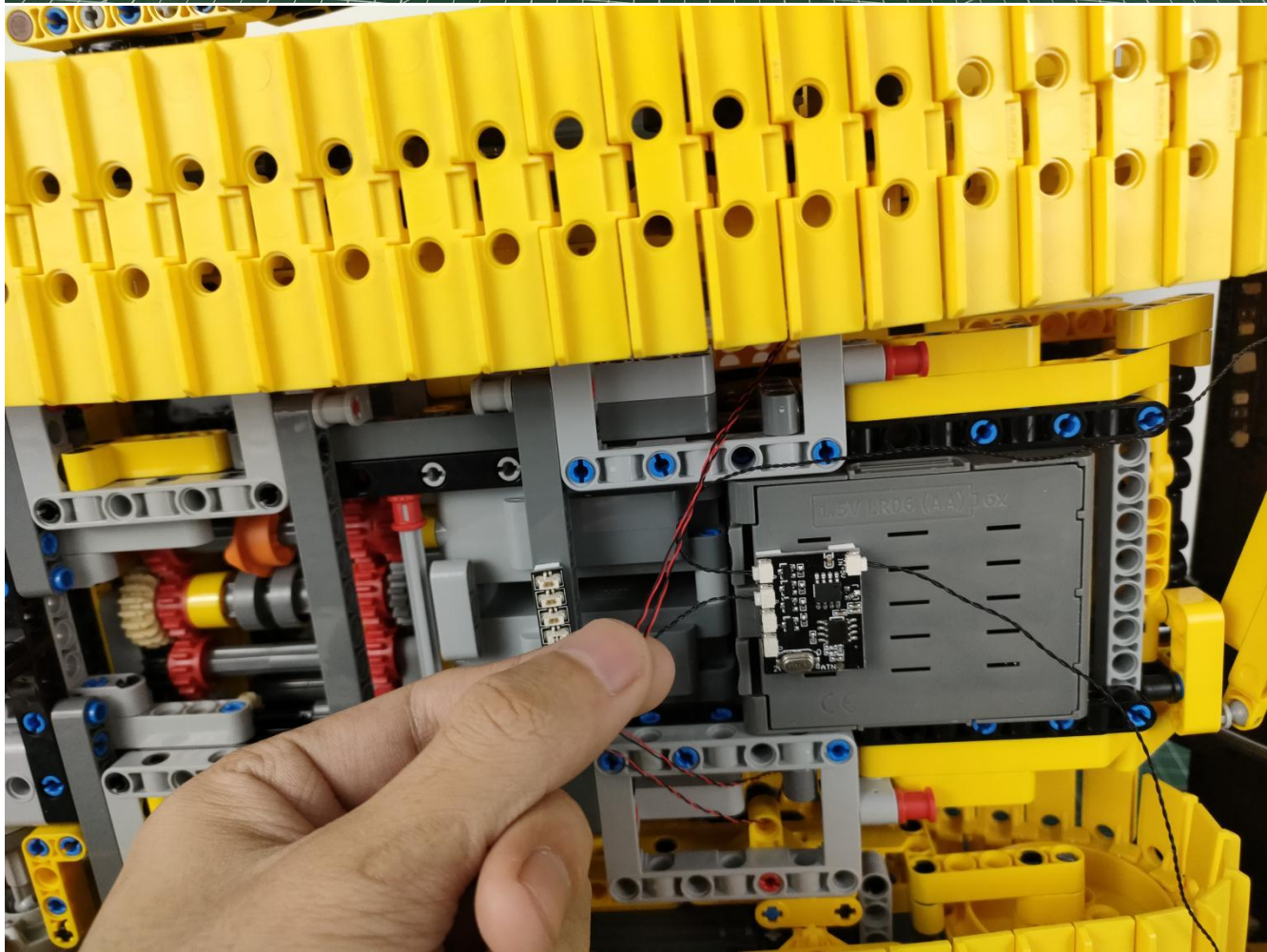
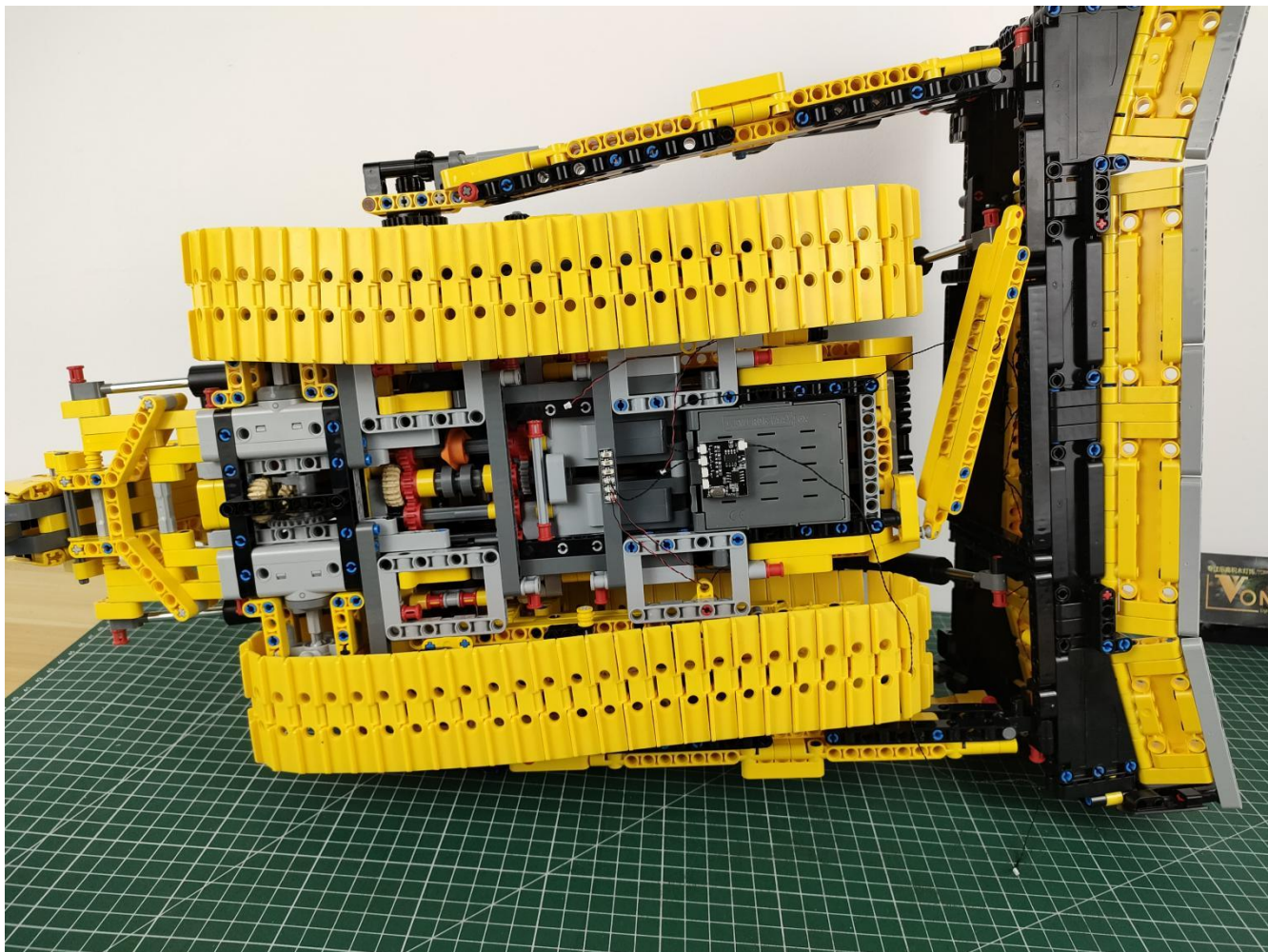


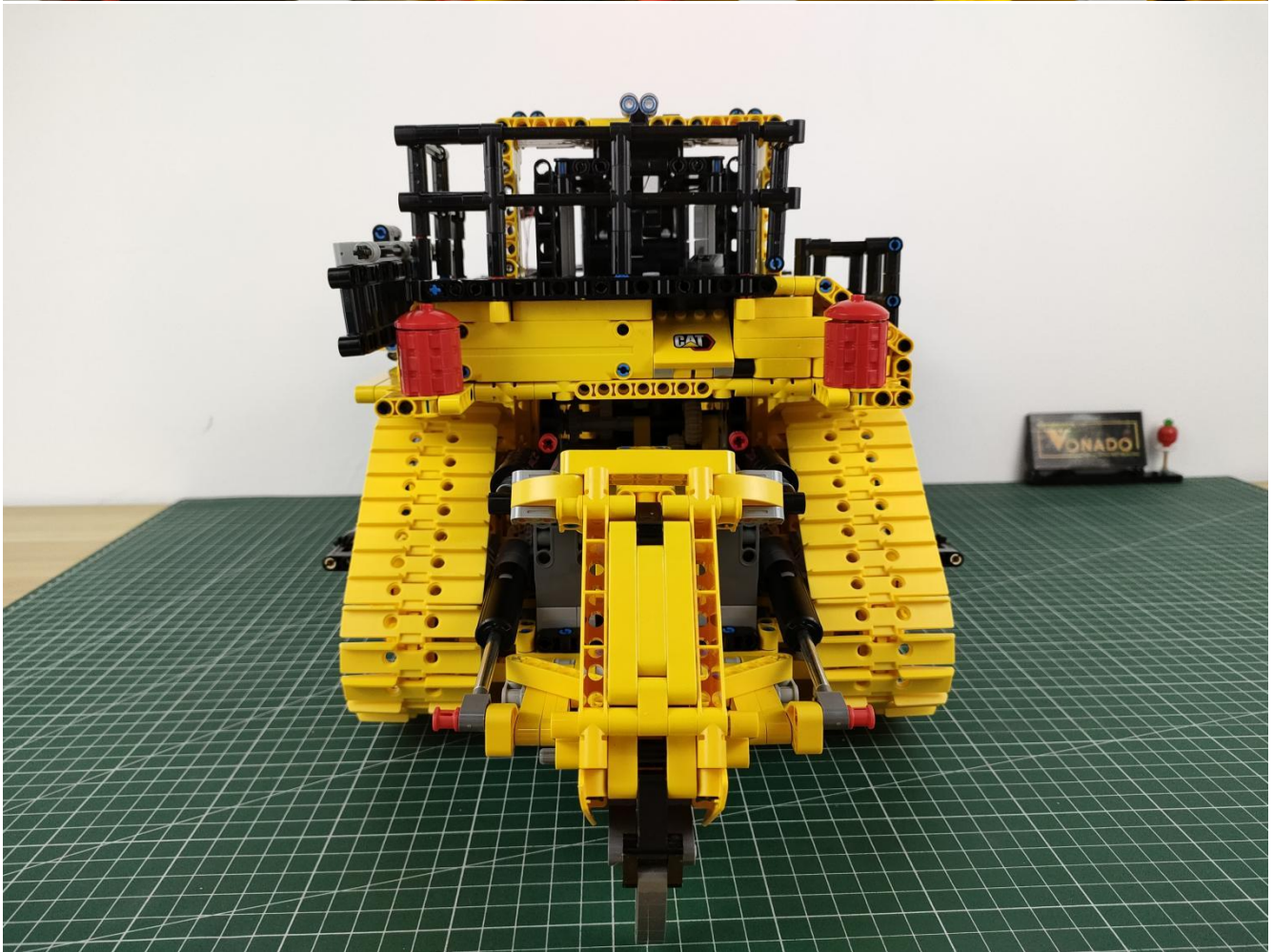
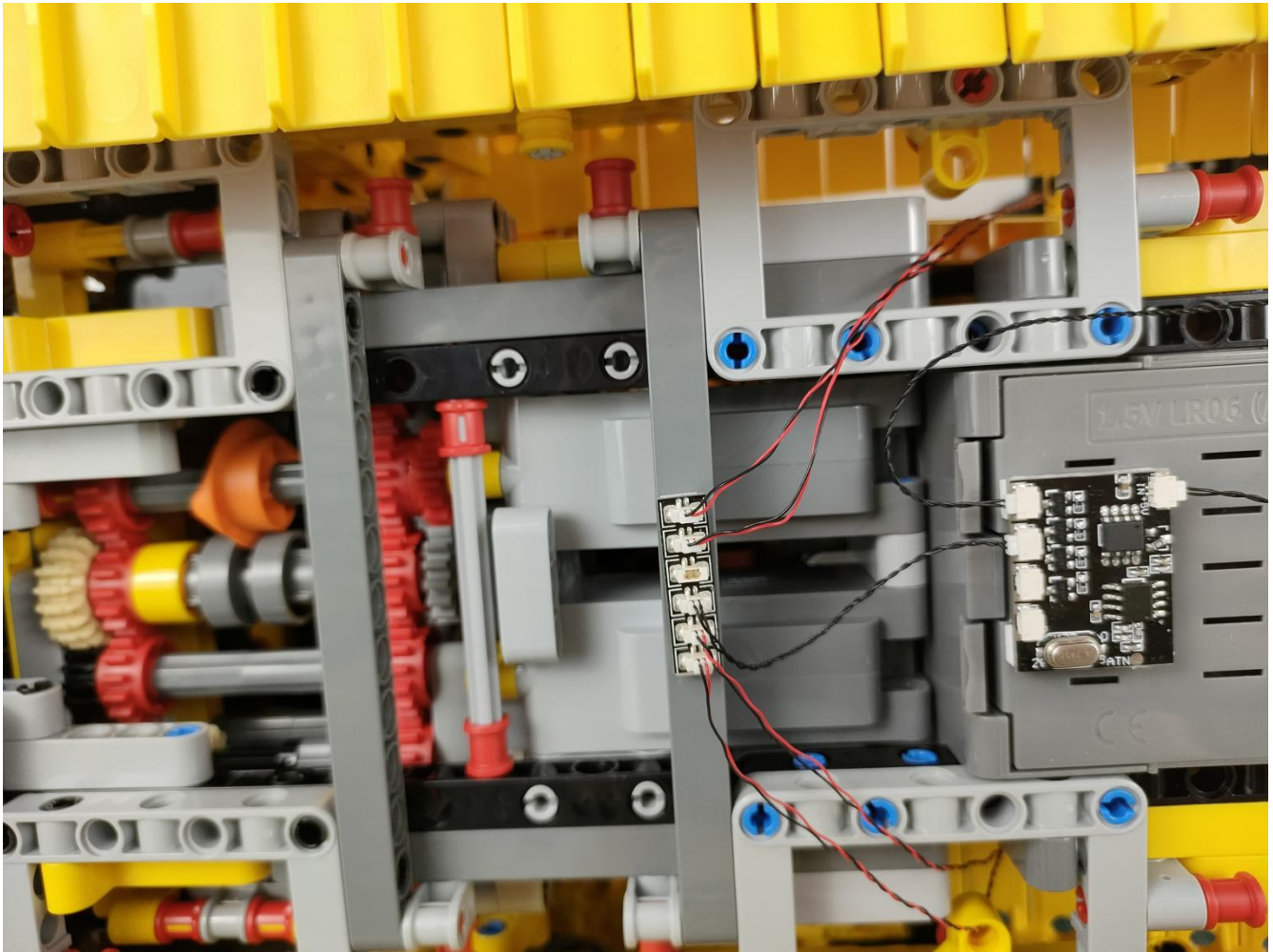


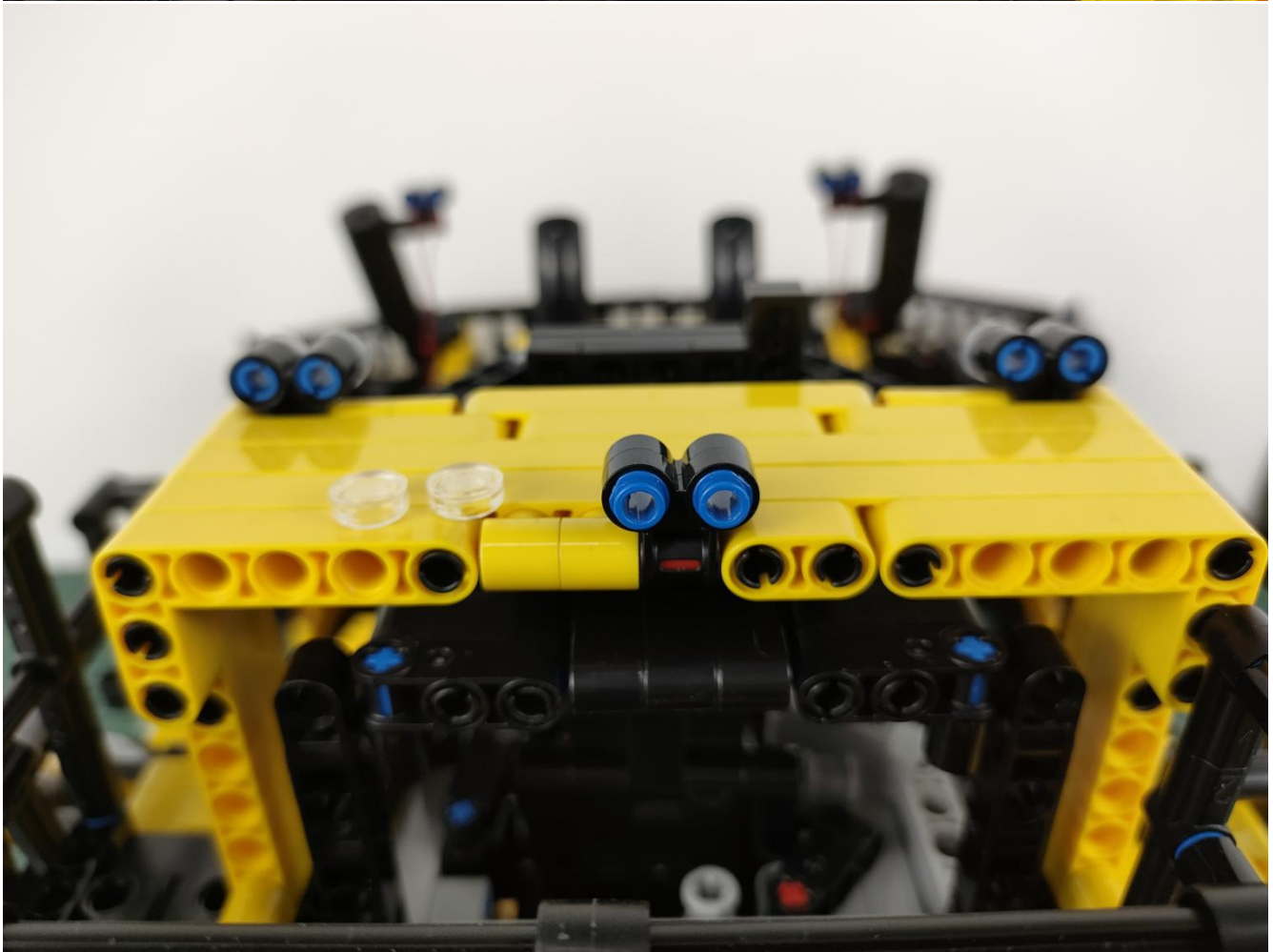
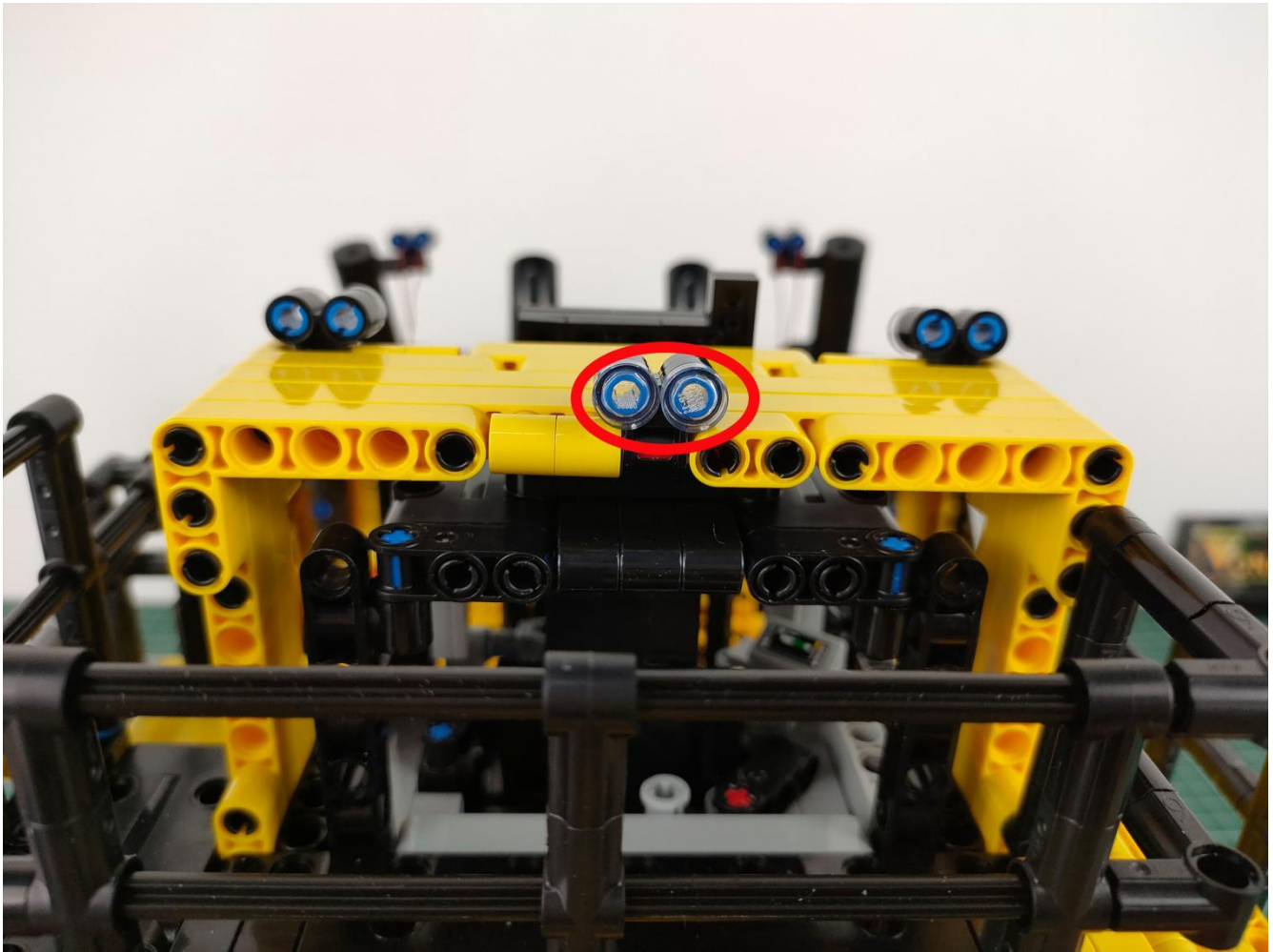


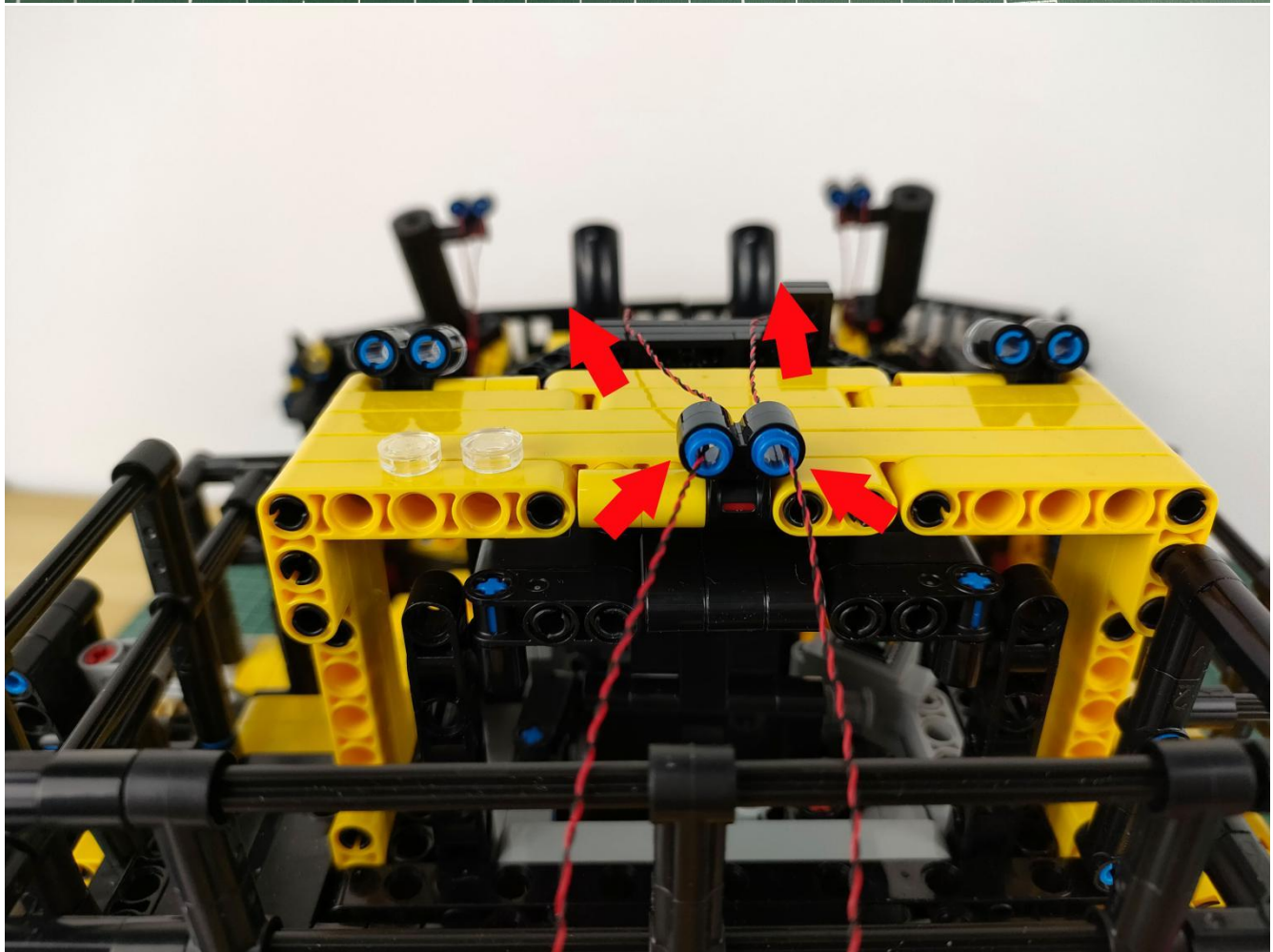
**Pass the light wire through the slit in the yellow block assembly, then pull the light wire towards the bottom.**

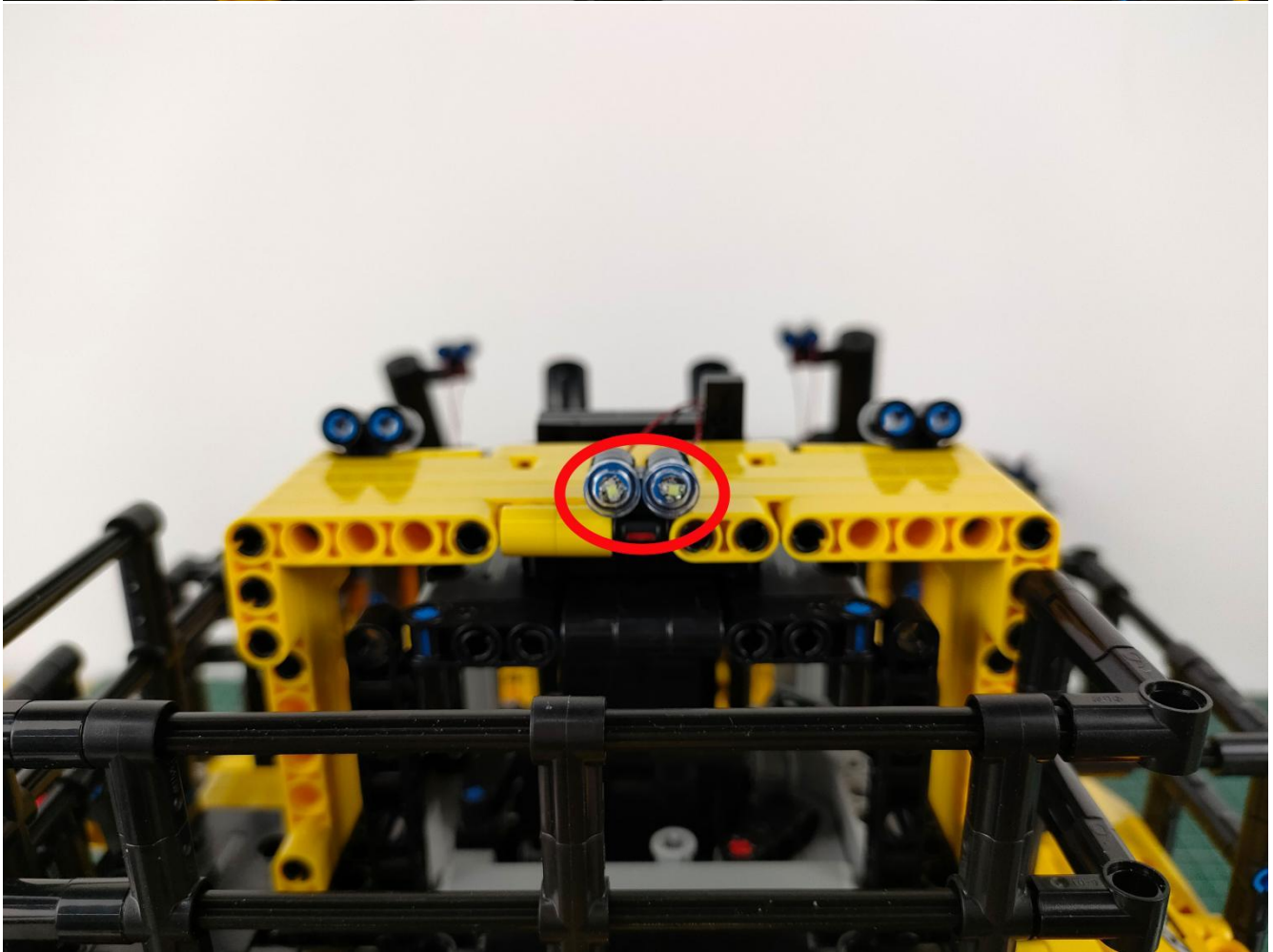
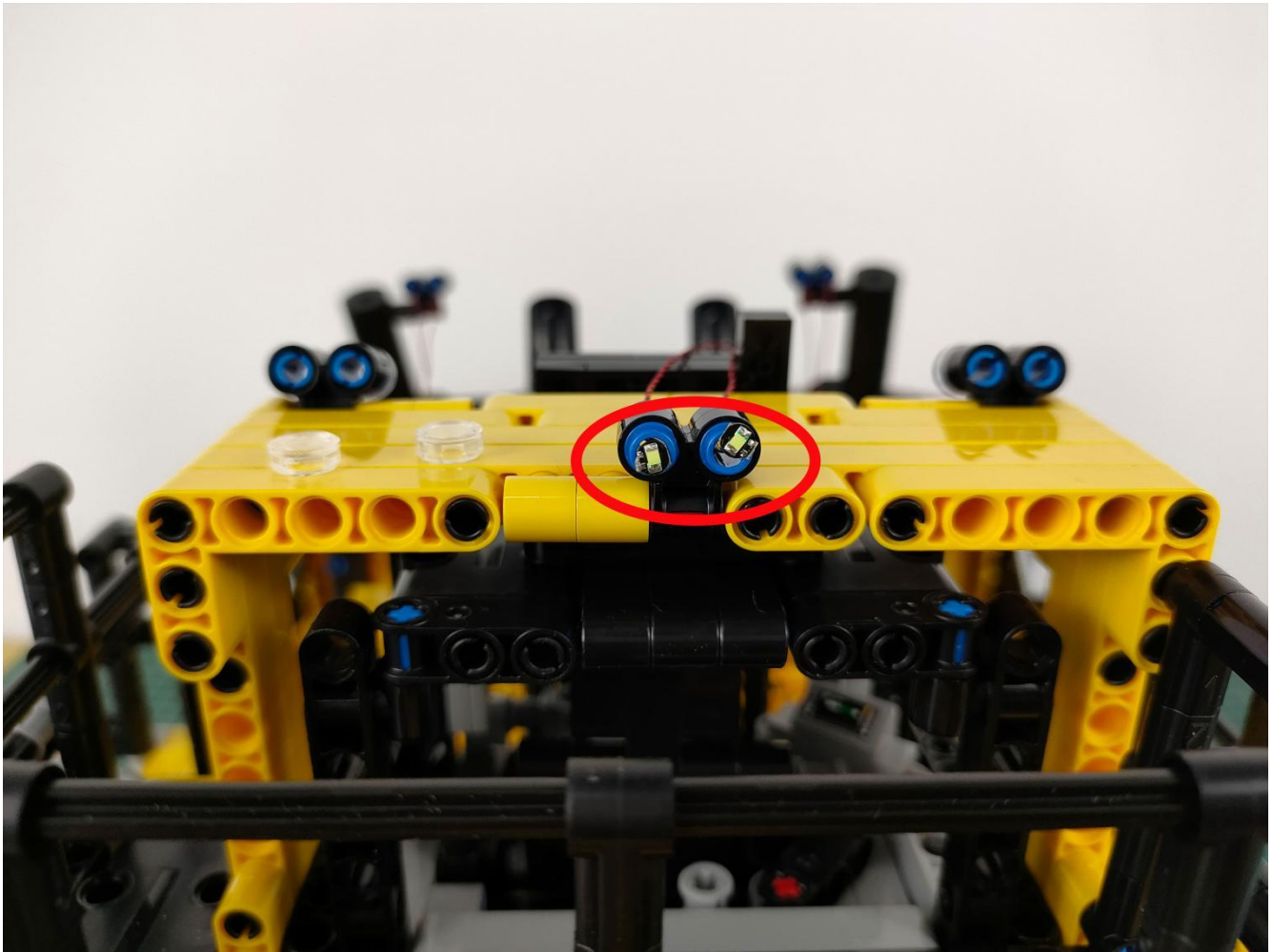


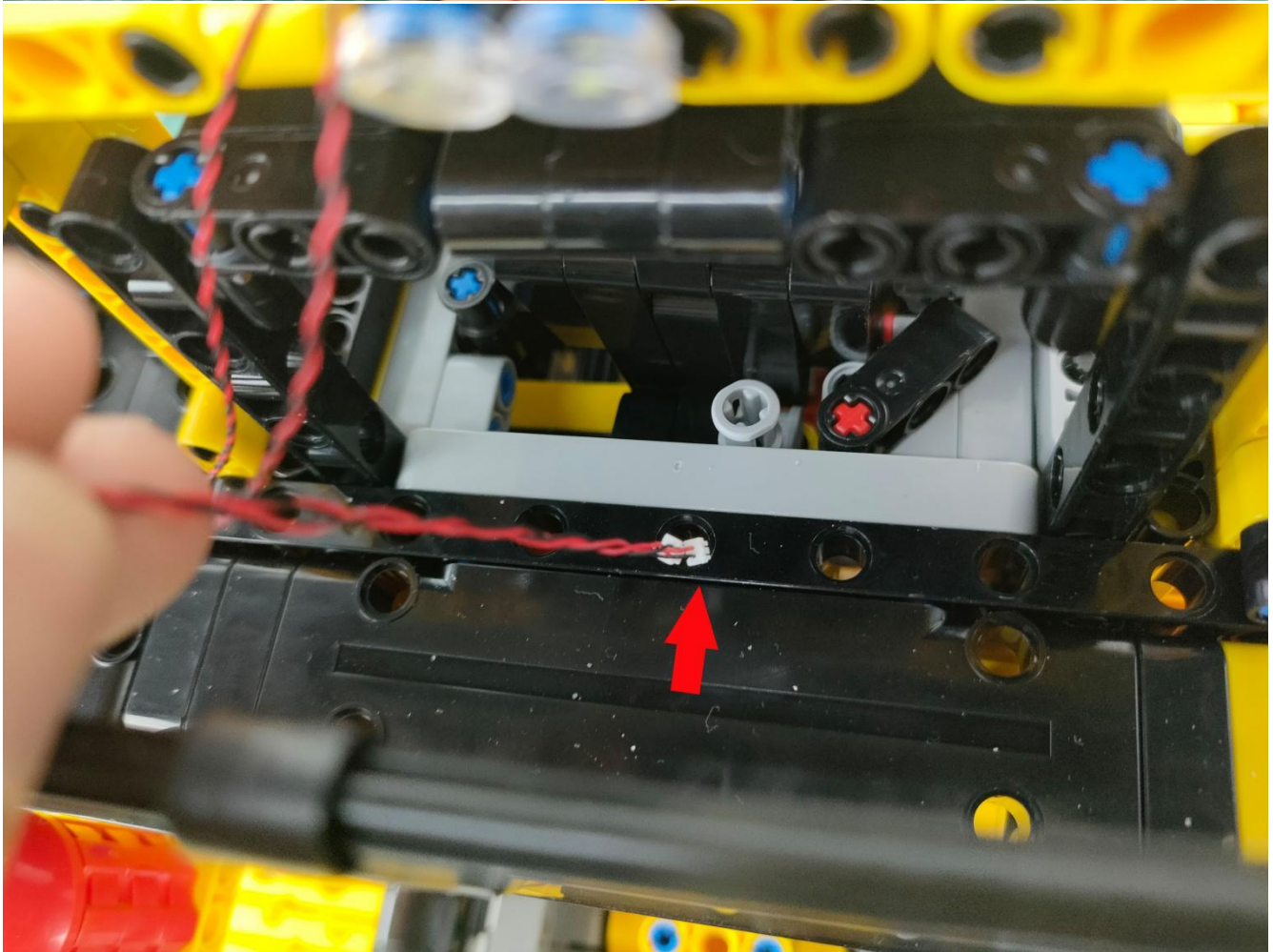
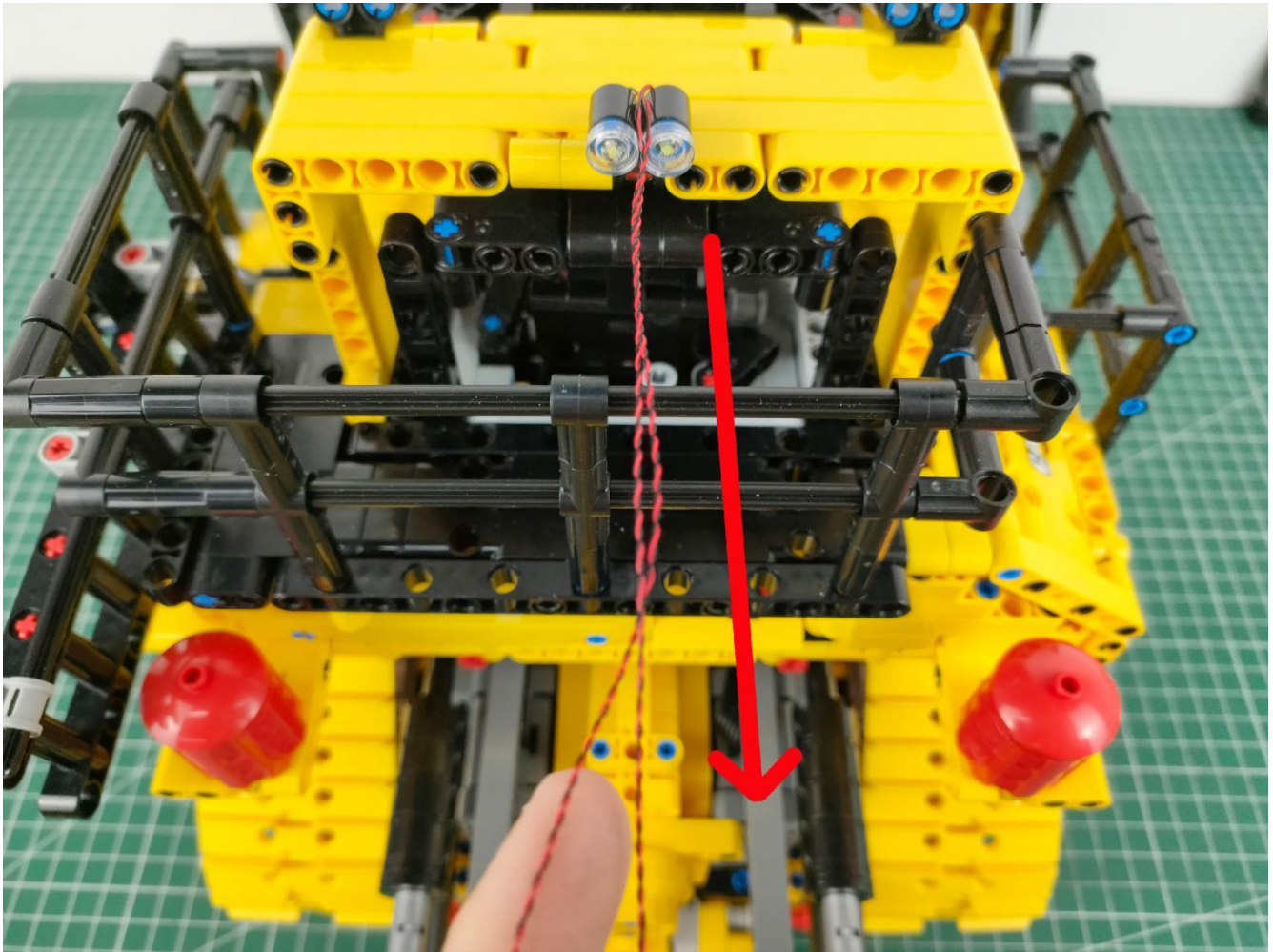


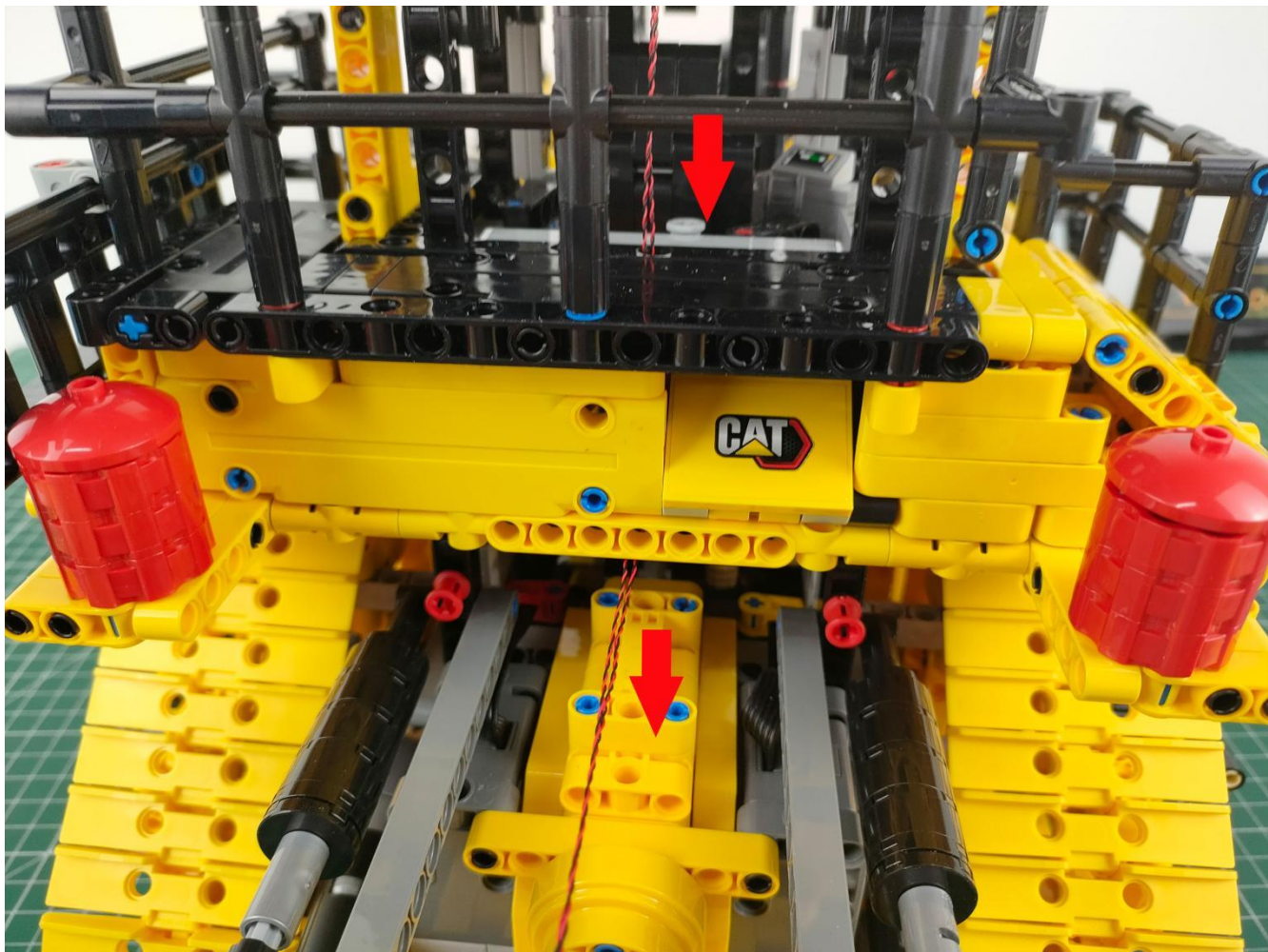
















零配件  
Parts Package



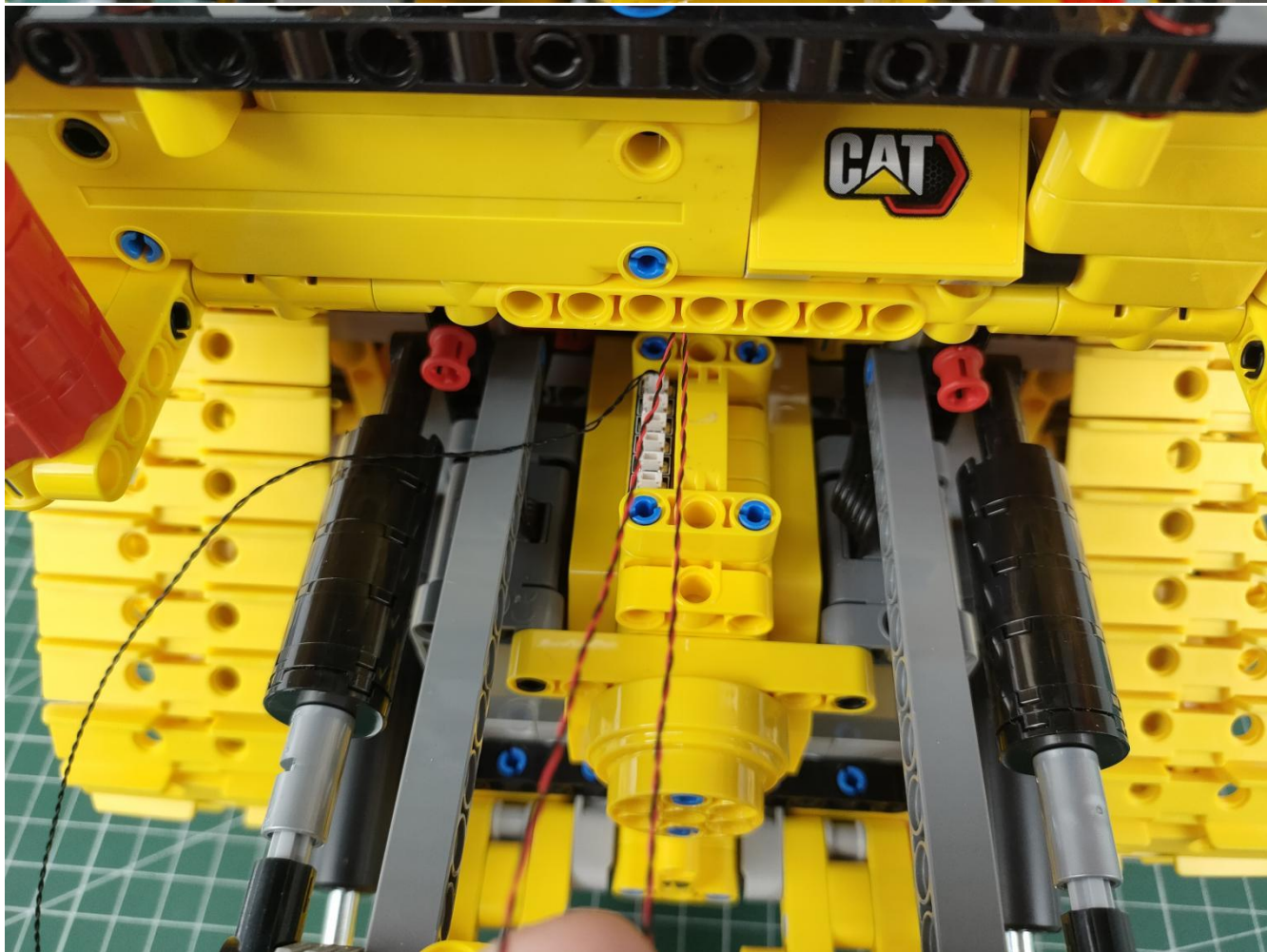
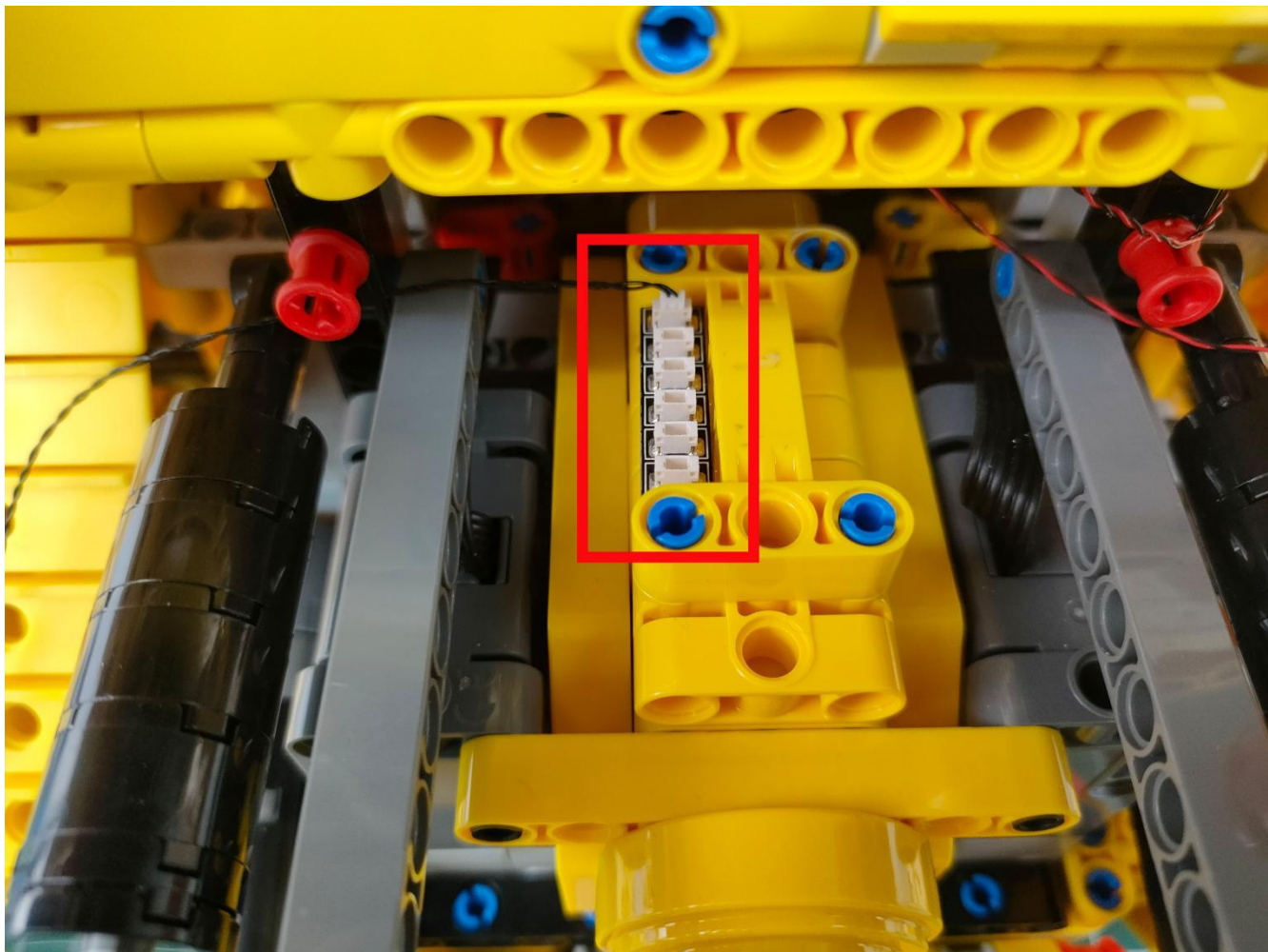


連接線 30CM  
Connecting Cables  
30CM

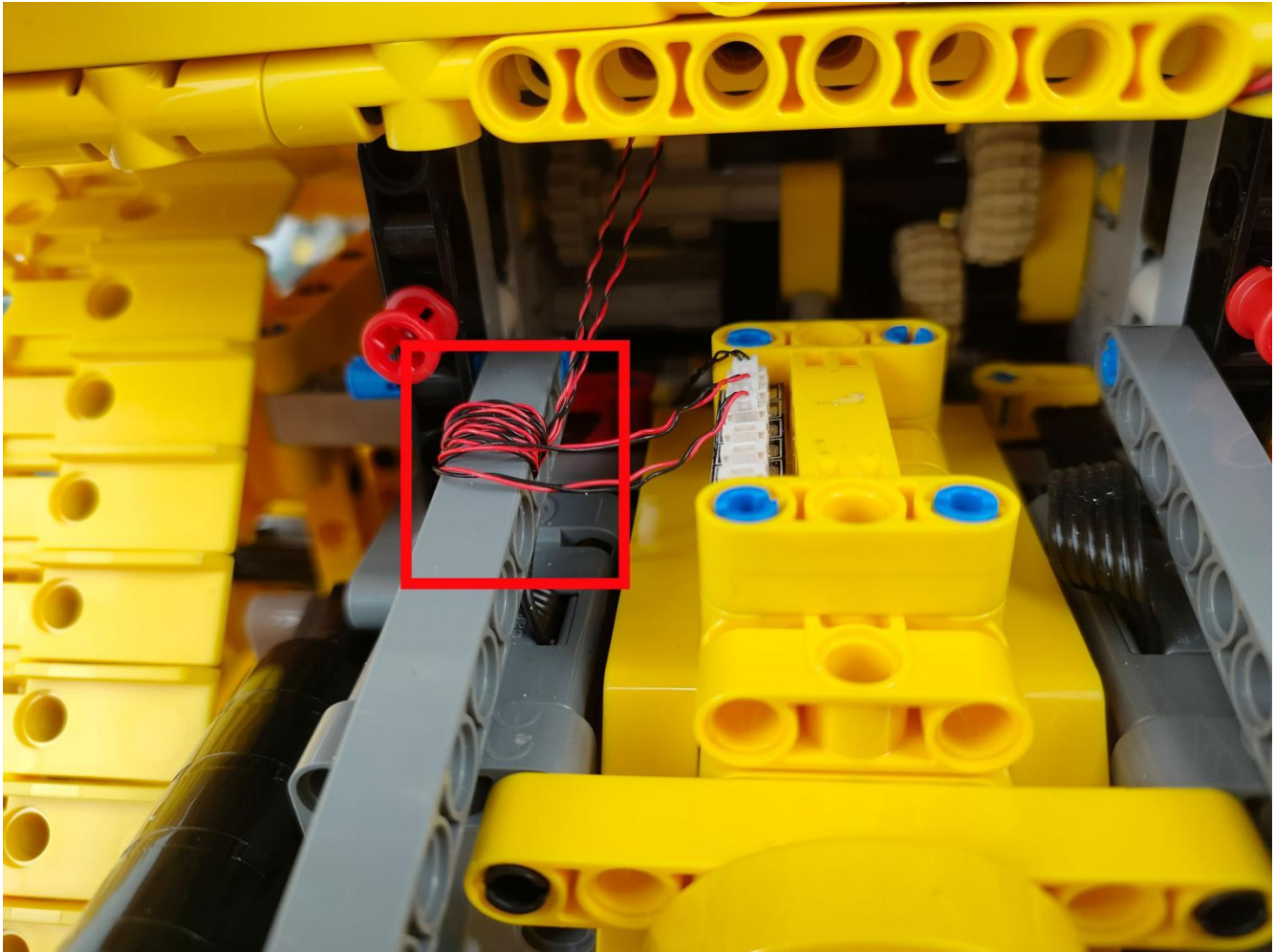
30°

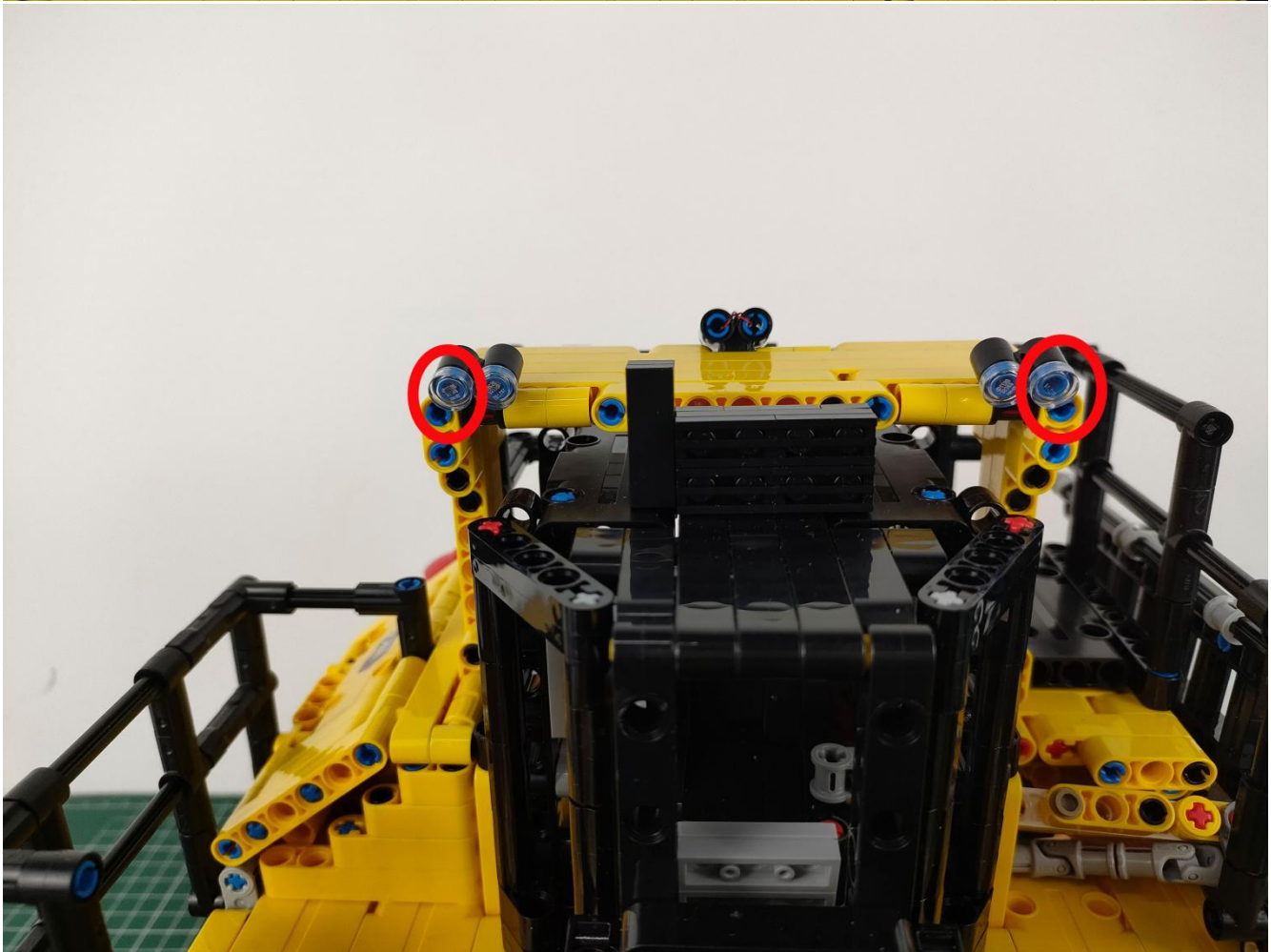
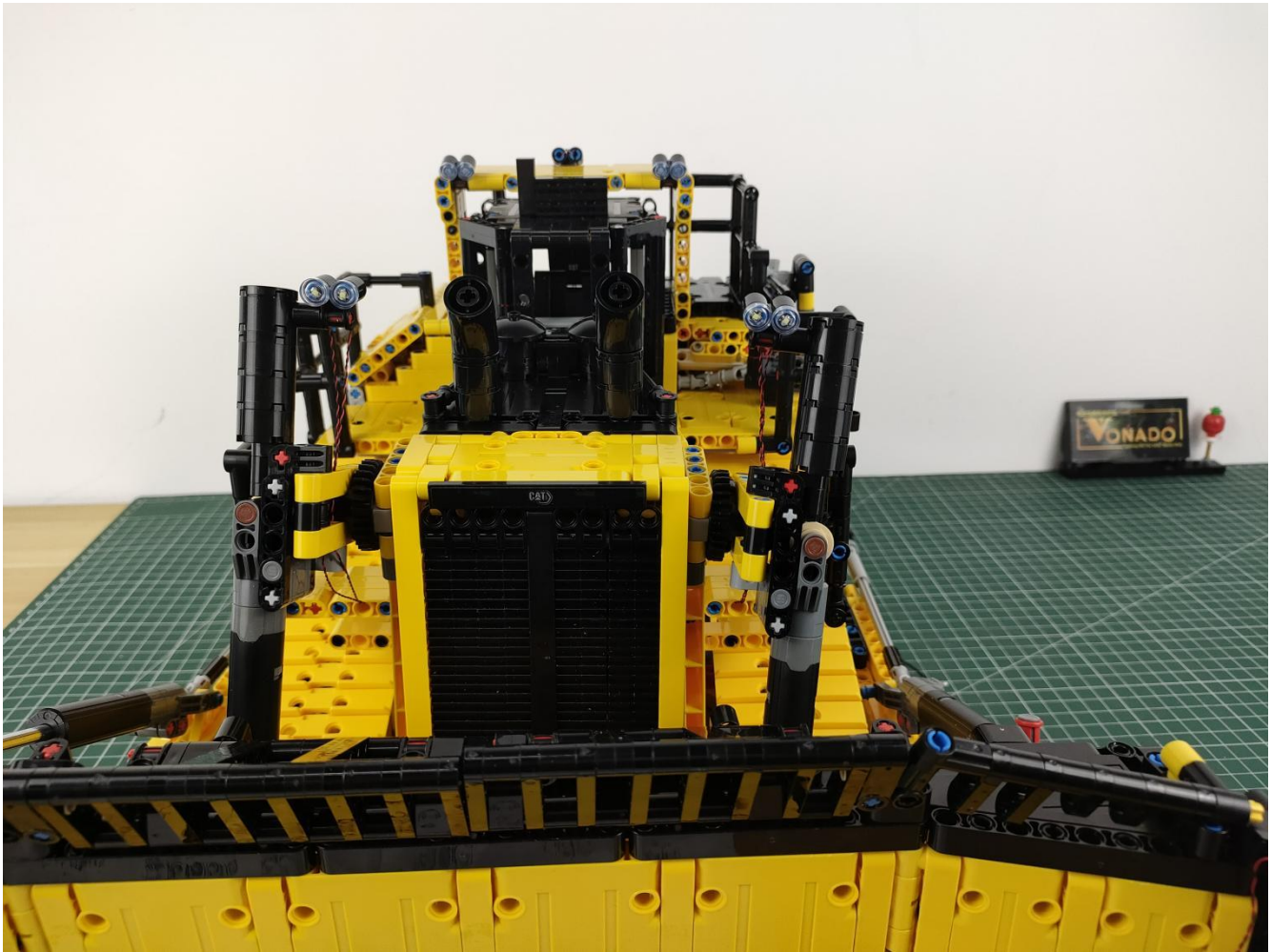
15°

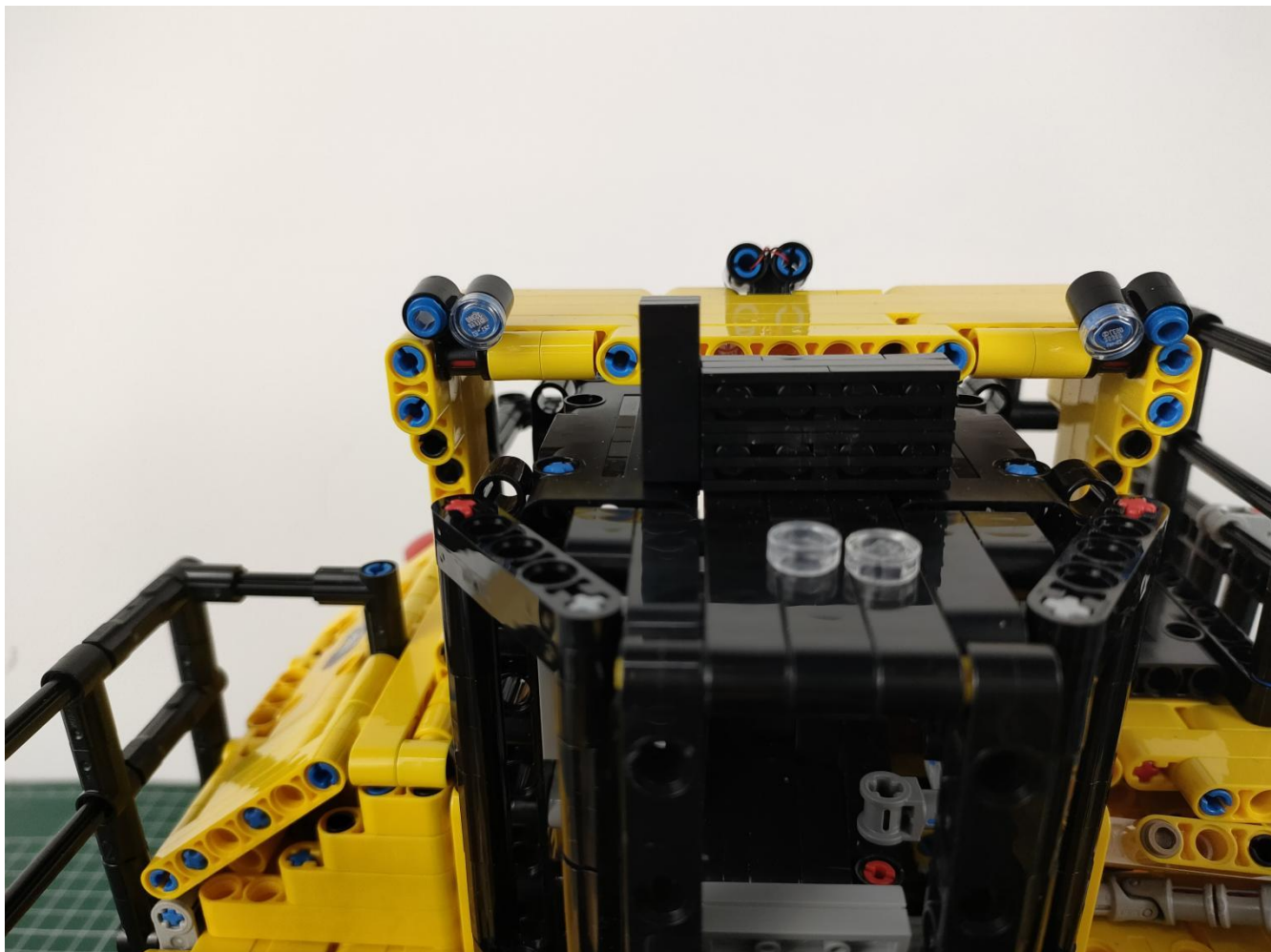


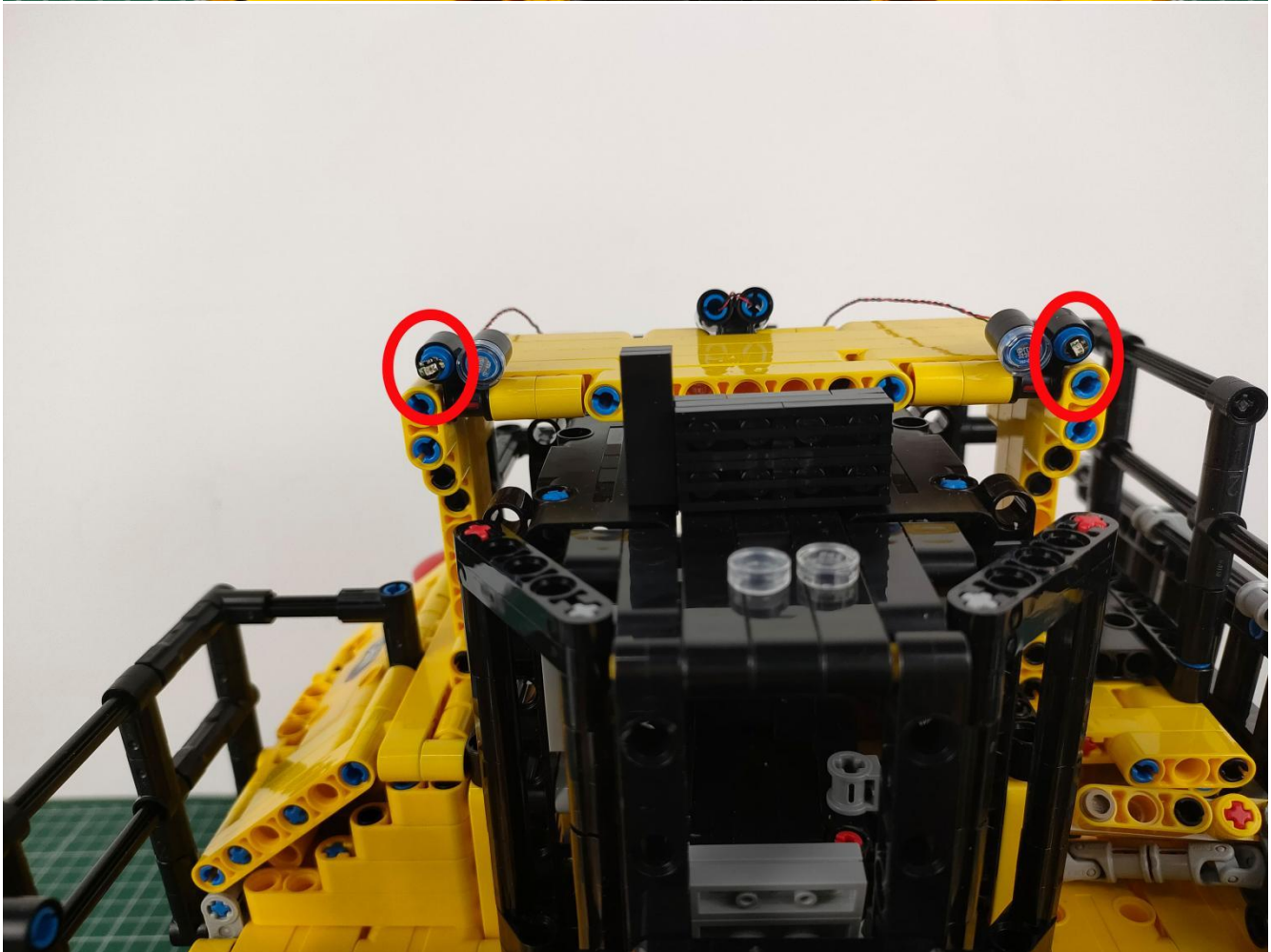
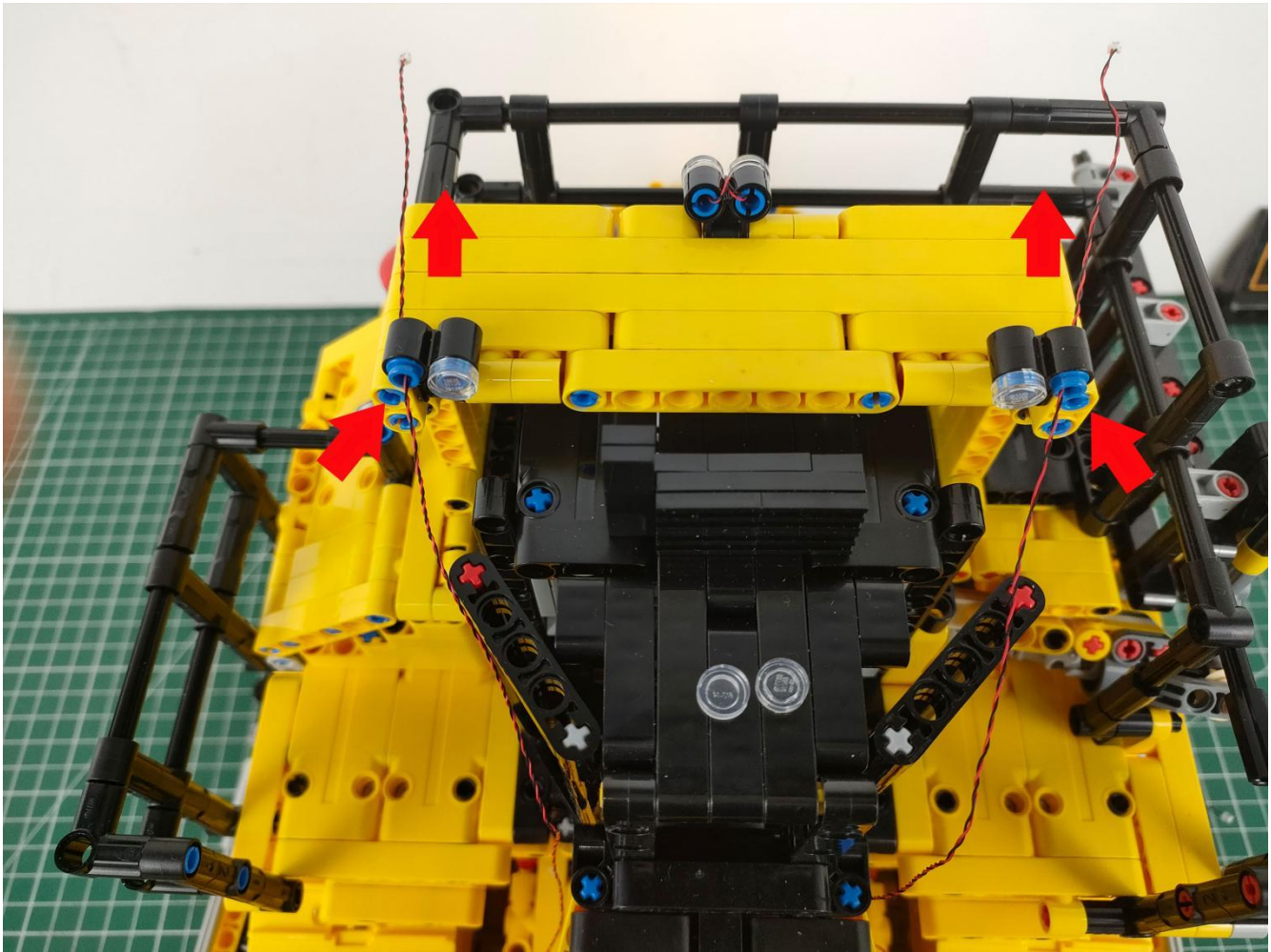


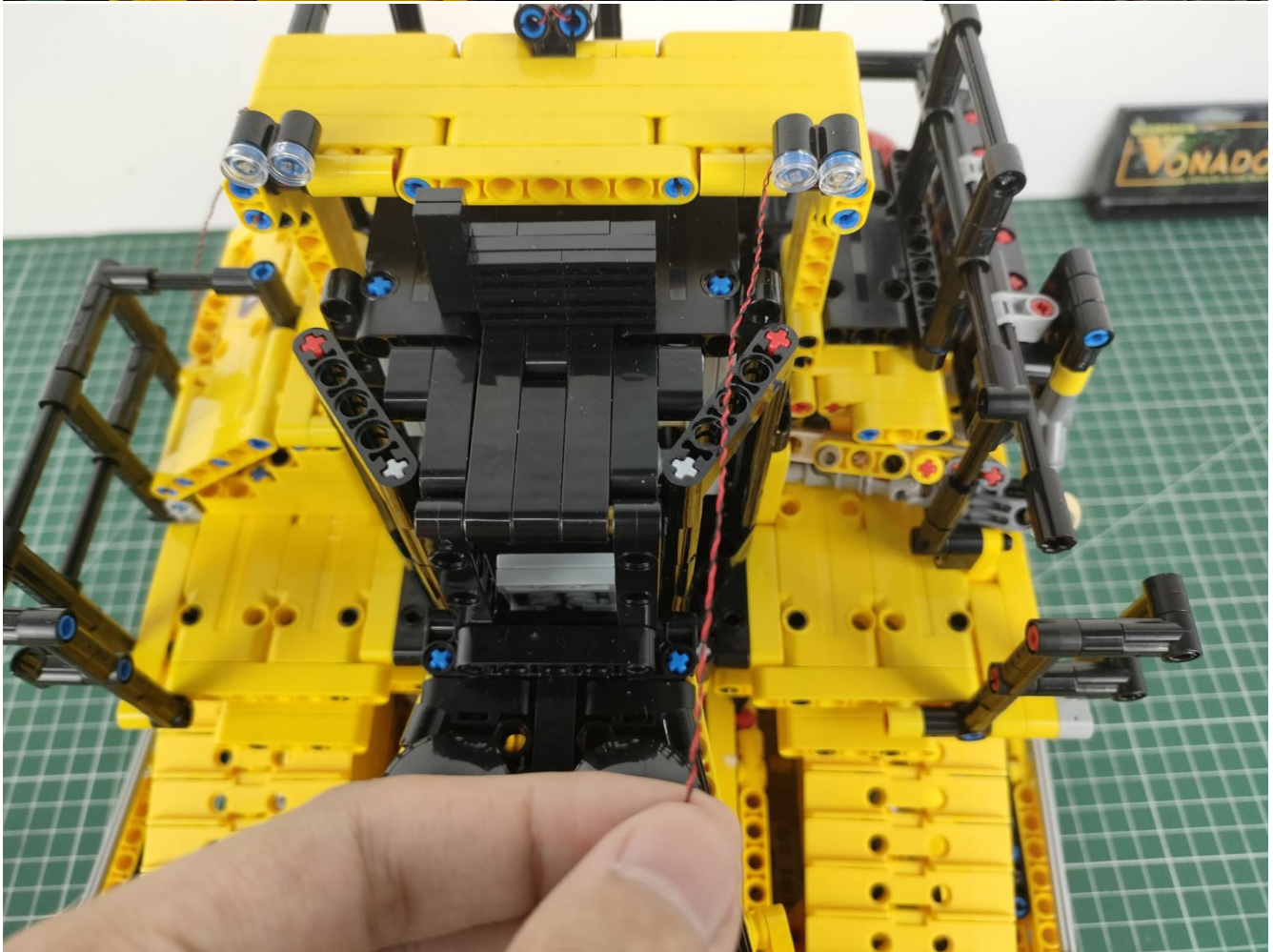
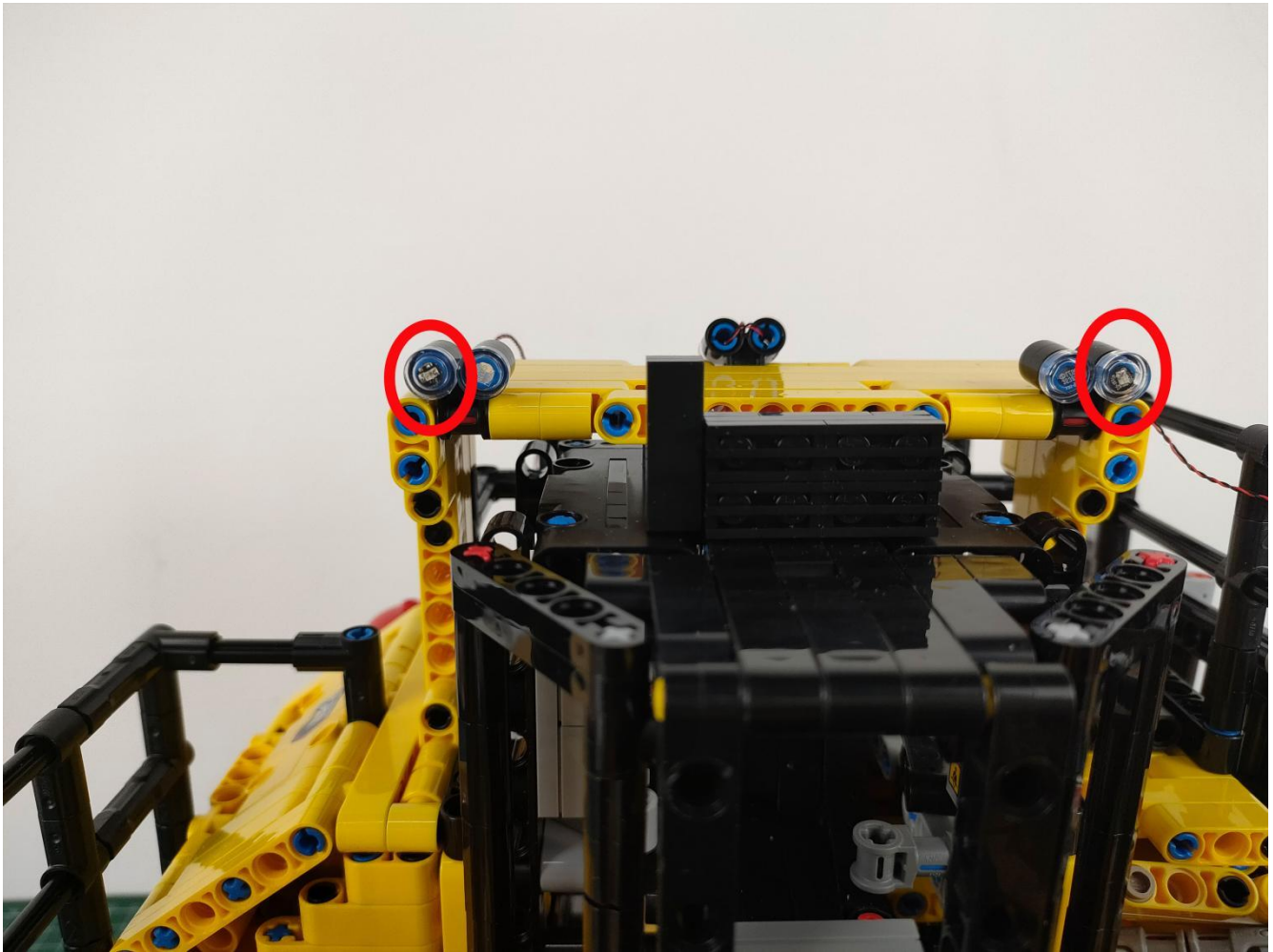
**Thread the lighting wire through the grey brick assembly, then wrap the longer lighting wire around the grey brick assembly, and finally connect the lighting wire to the expansion board.**



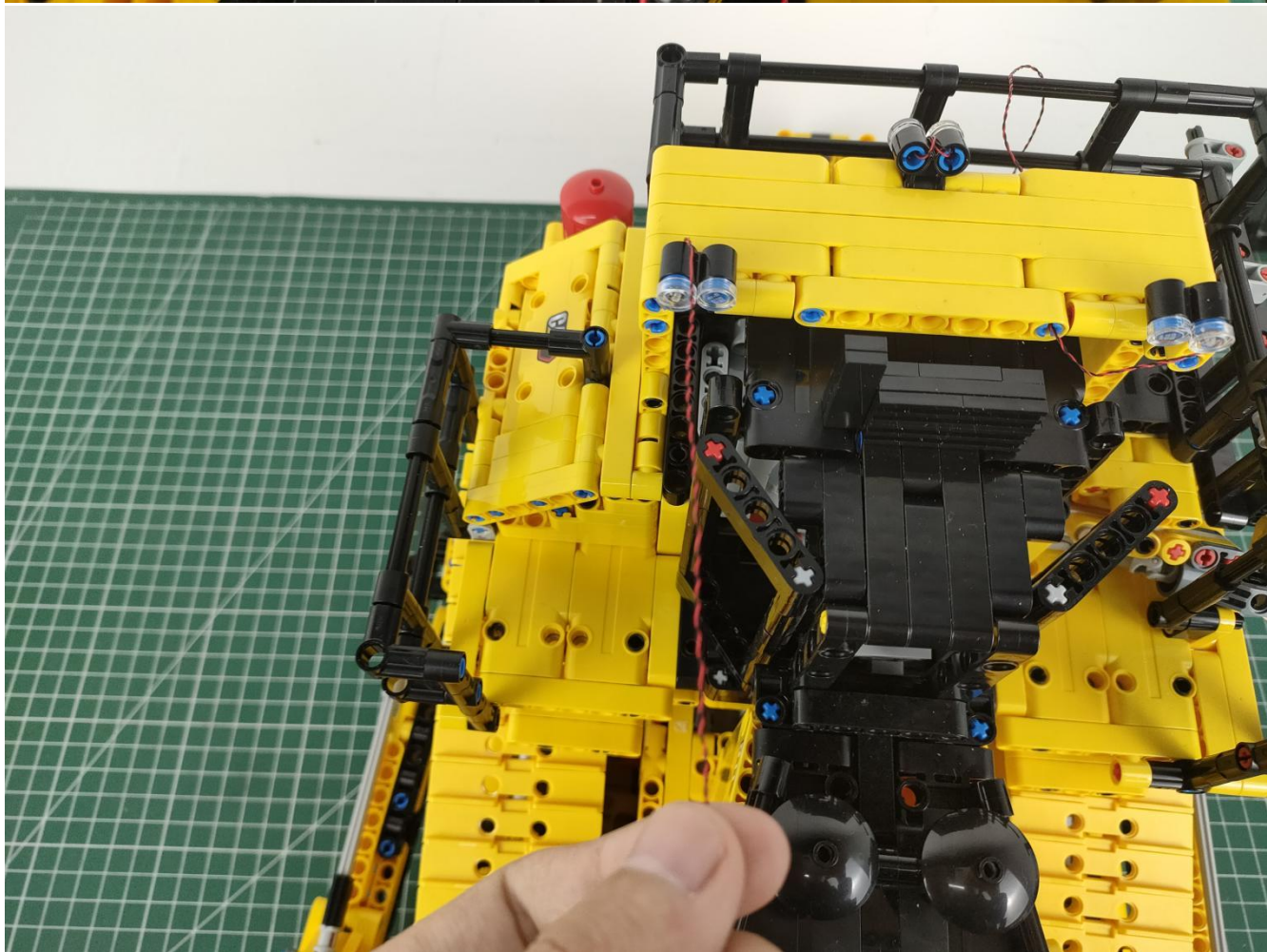
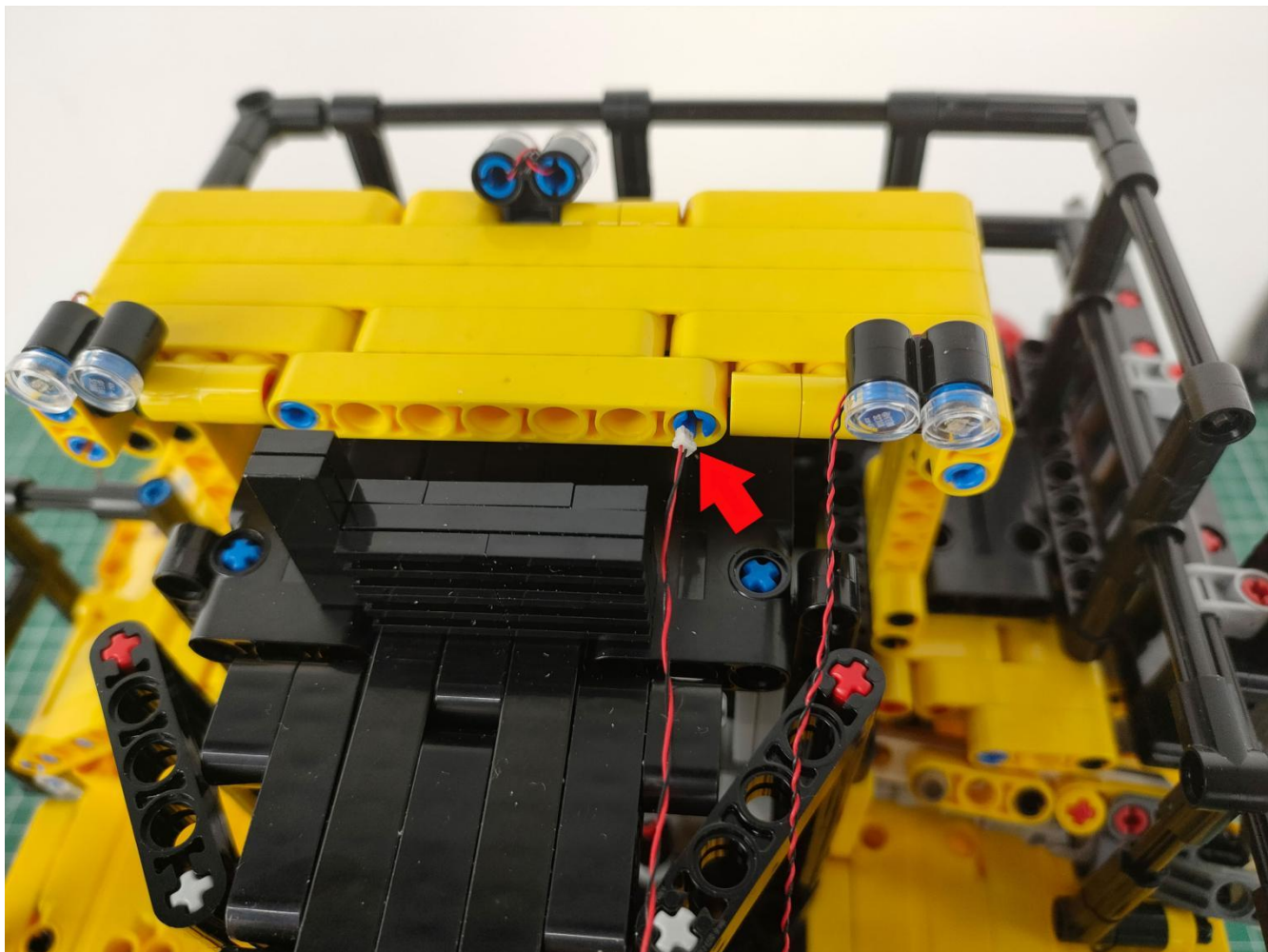


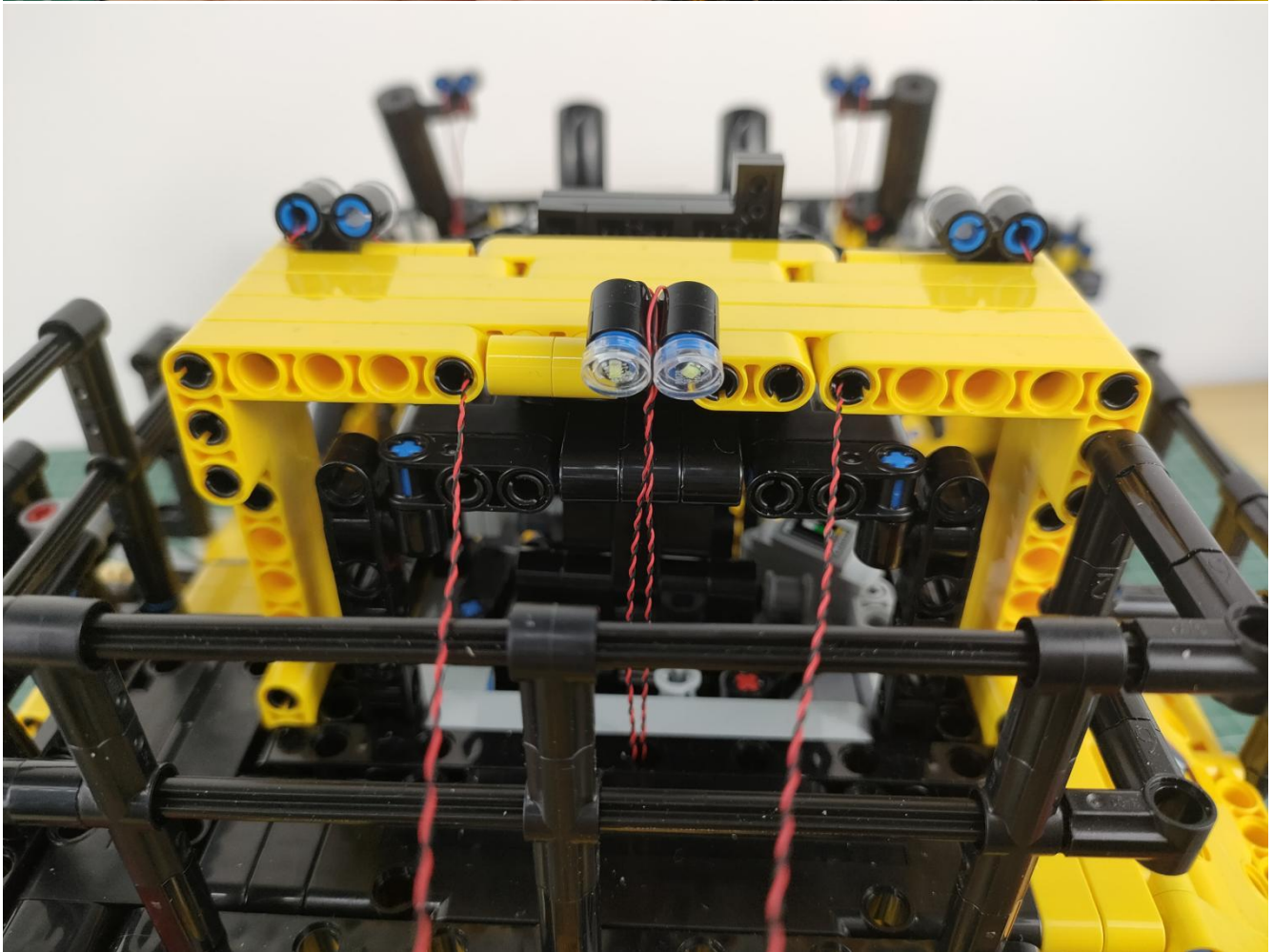
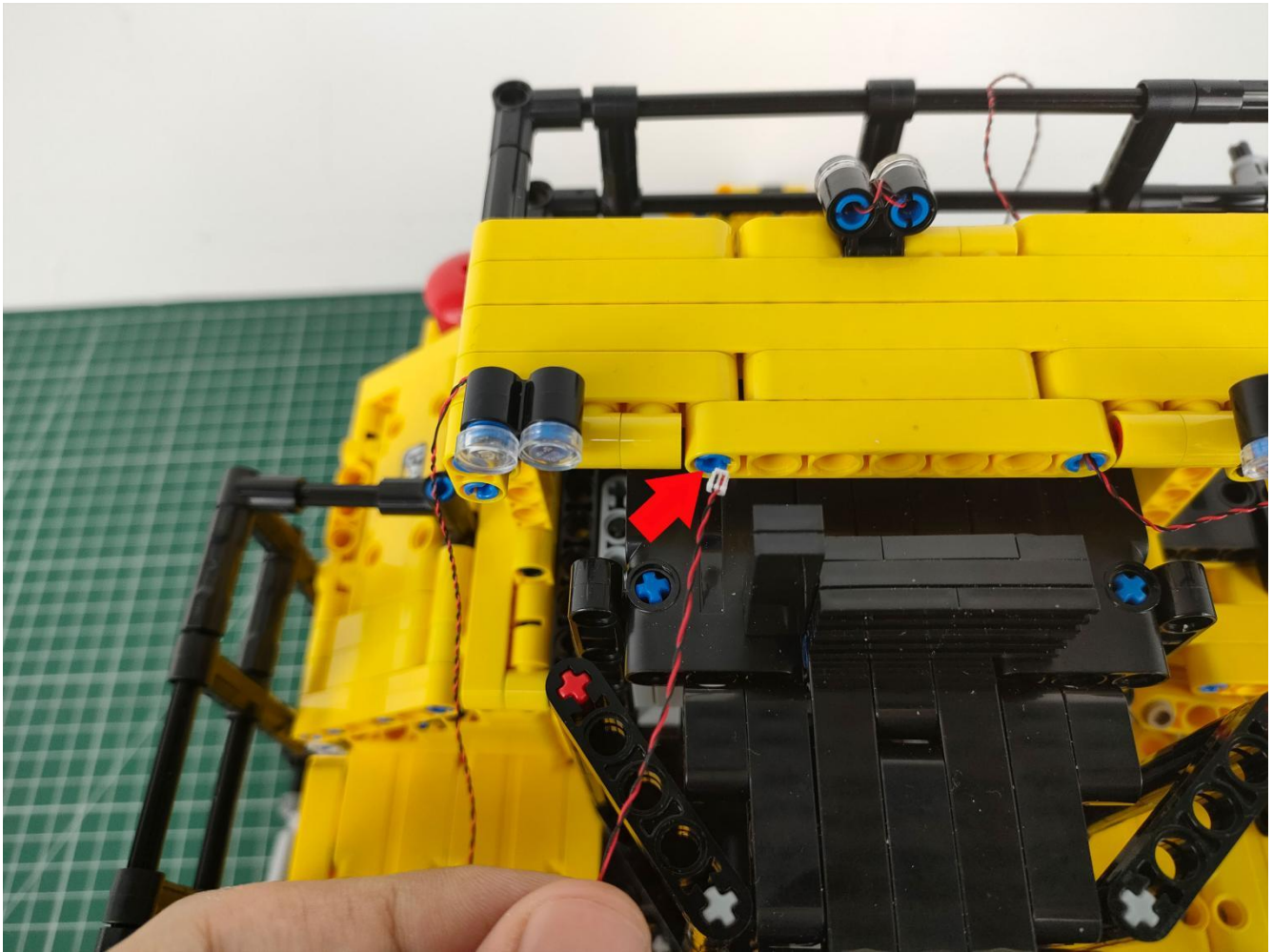


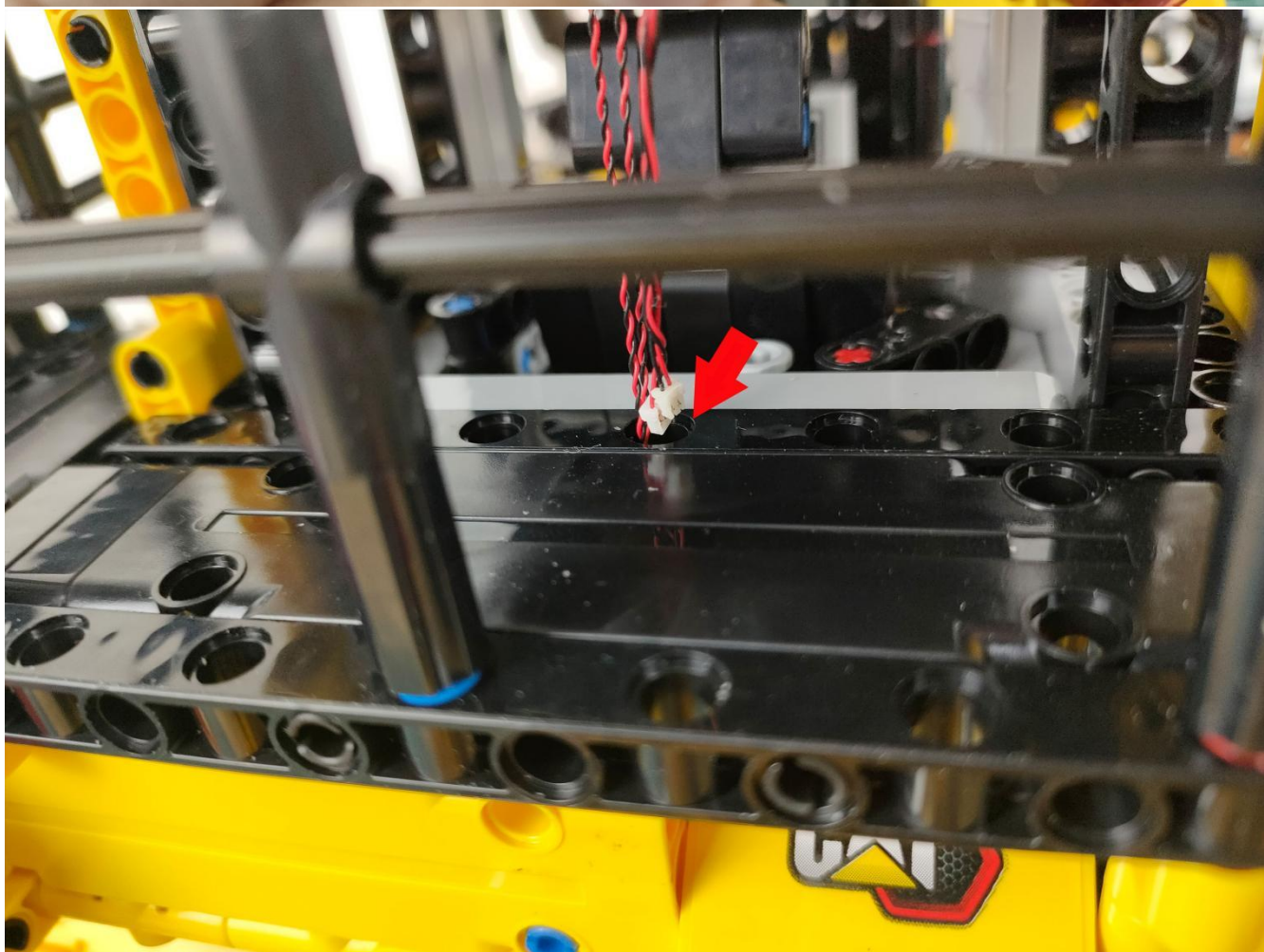
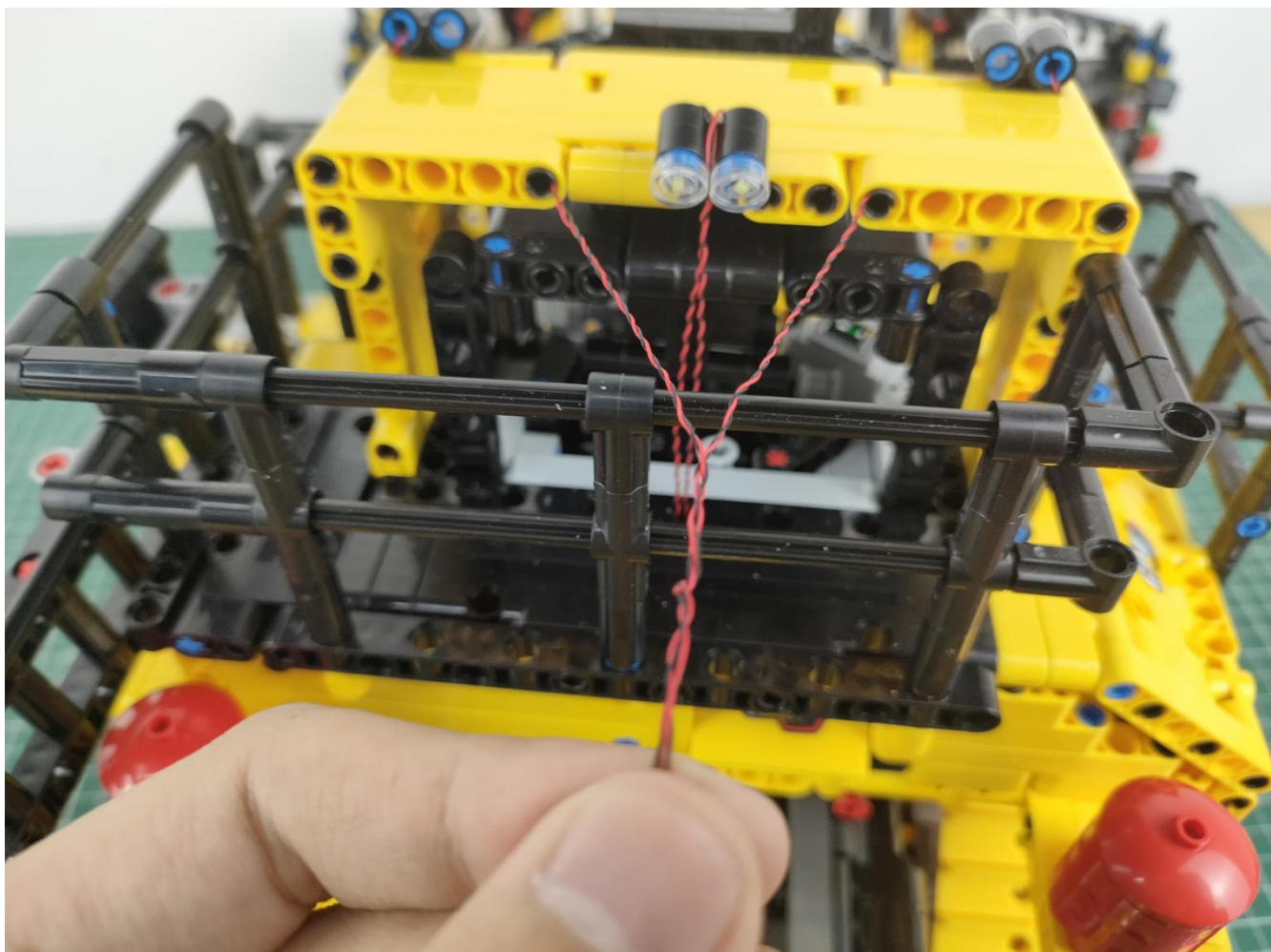






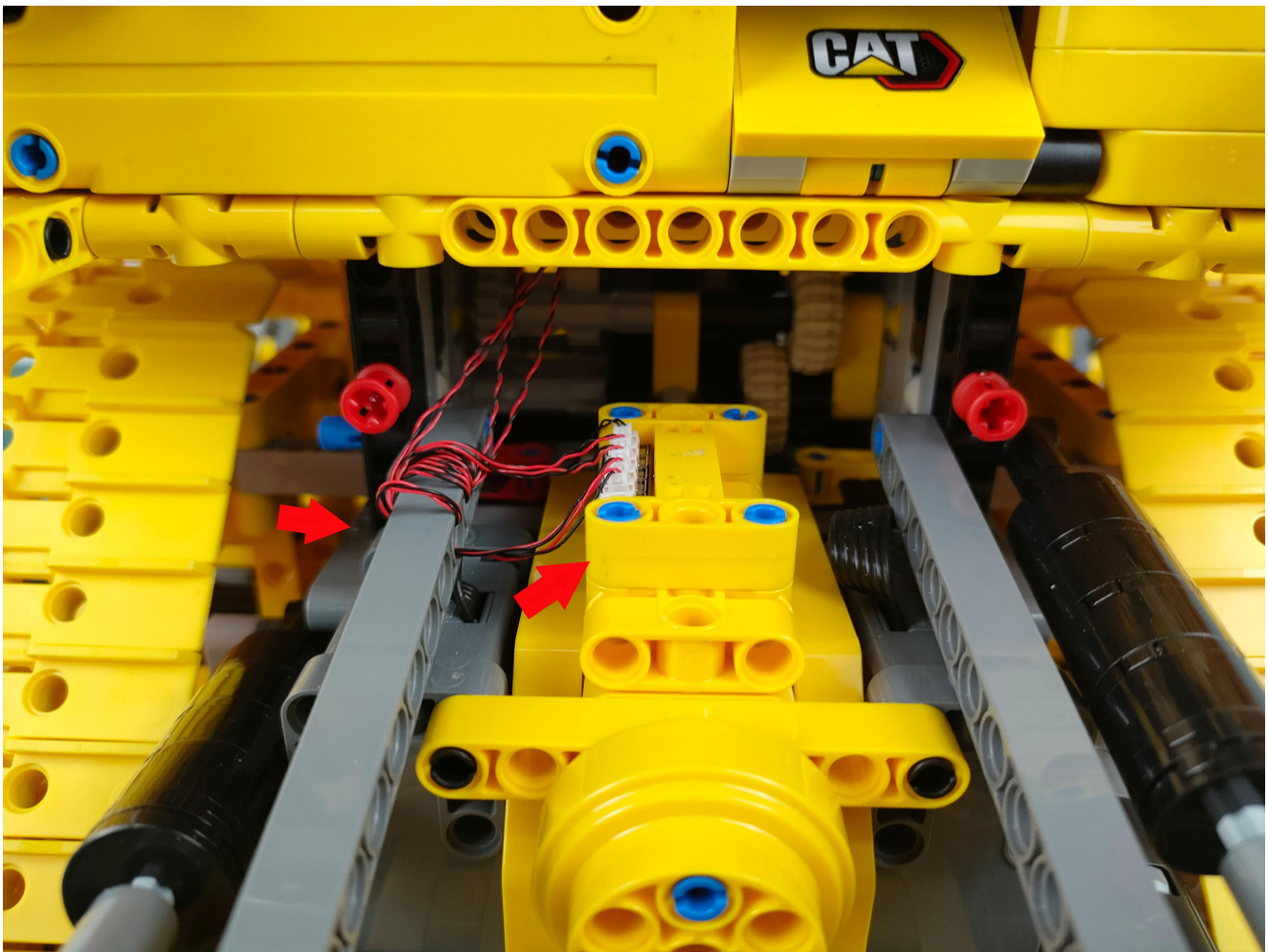




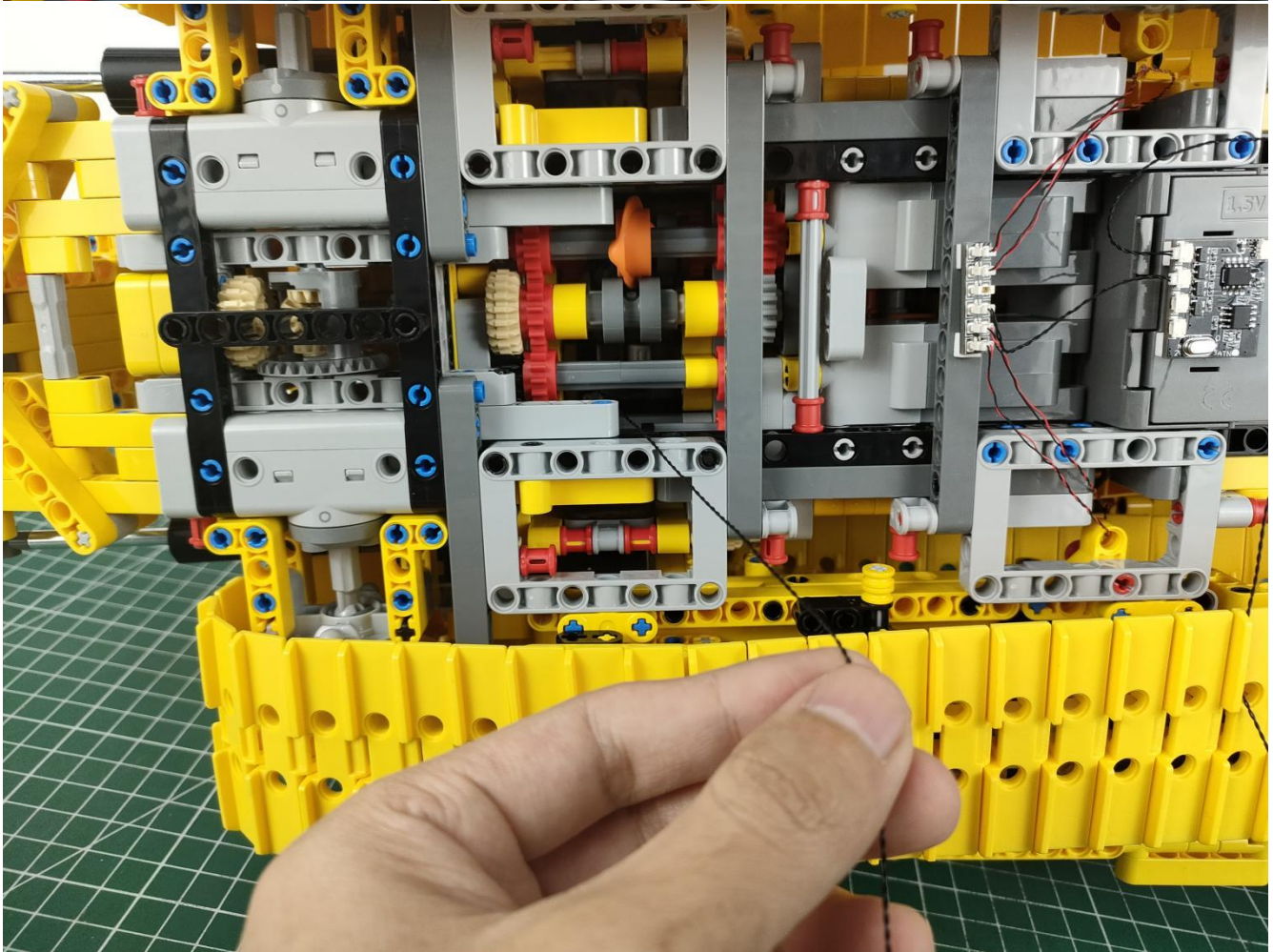
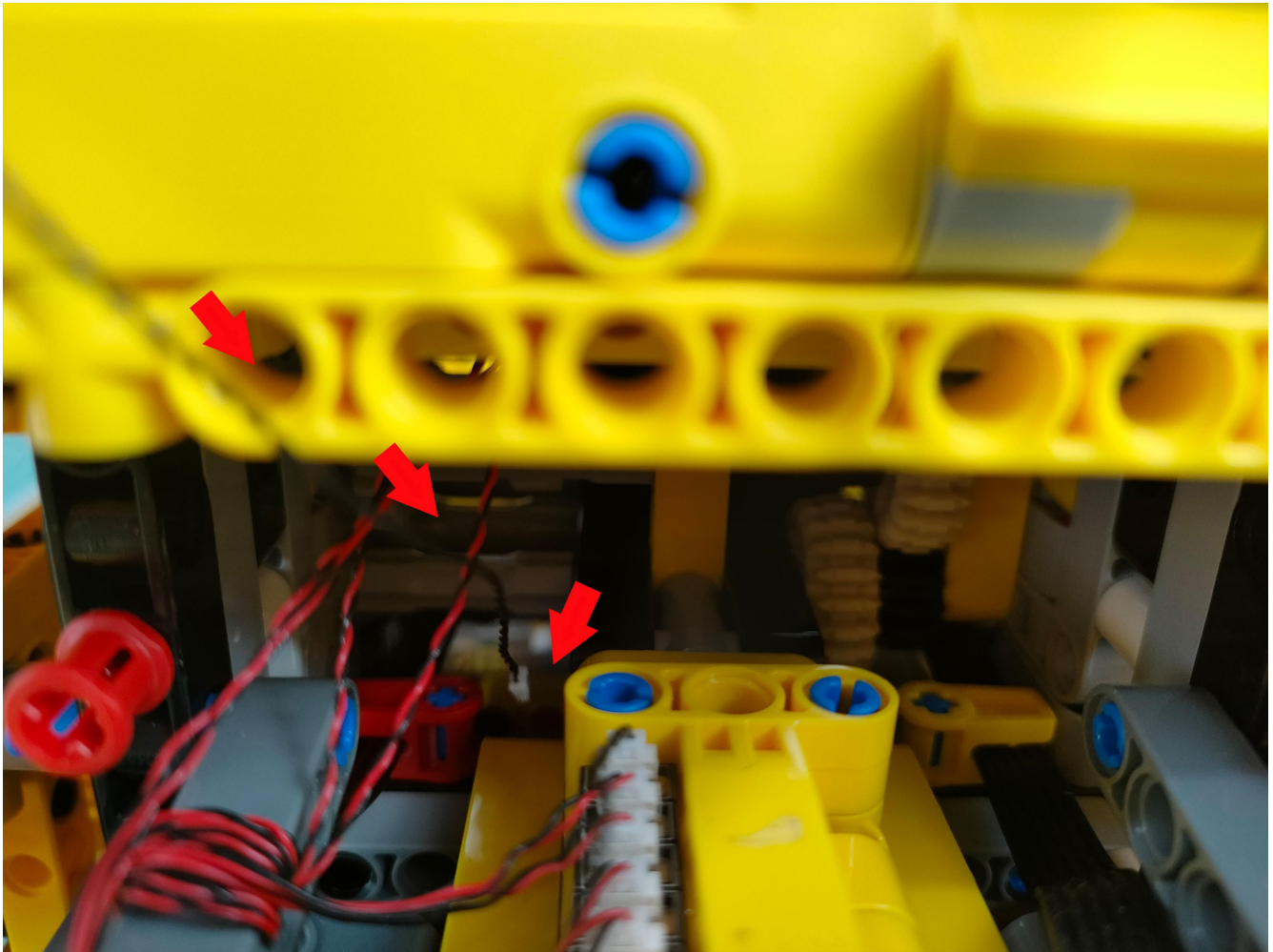




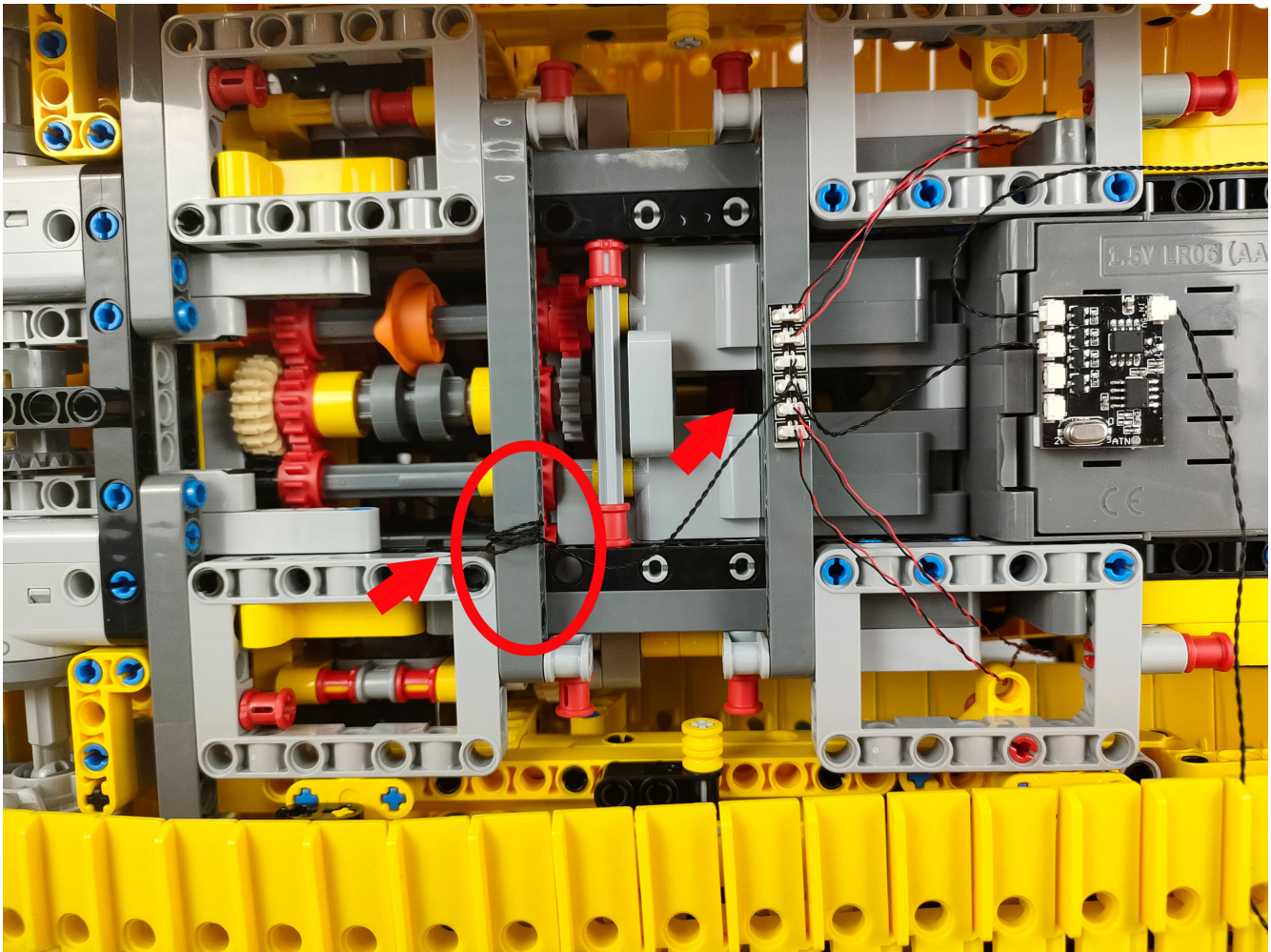
**Pass the 2 Lighting Wires through the holes in the Gray Block Assembly, then connect the 2 Lighting Wires to the Expansion Board.**

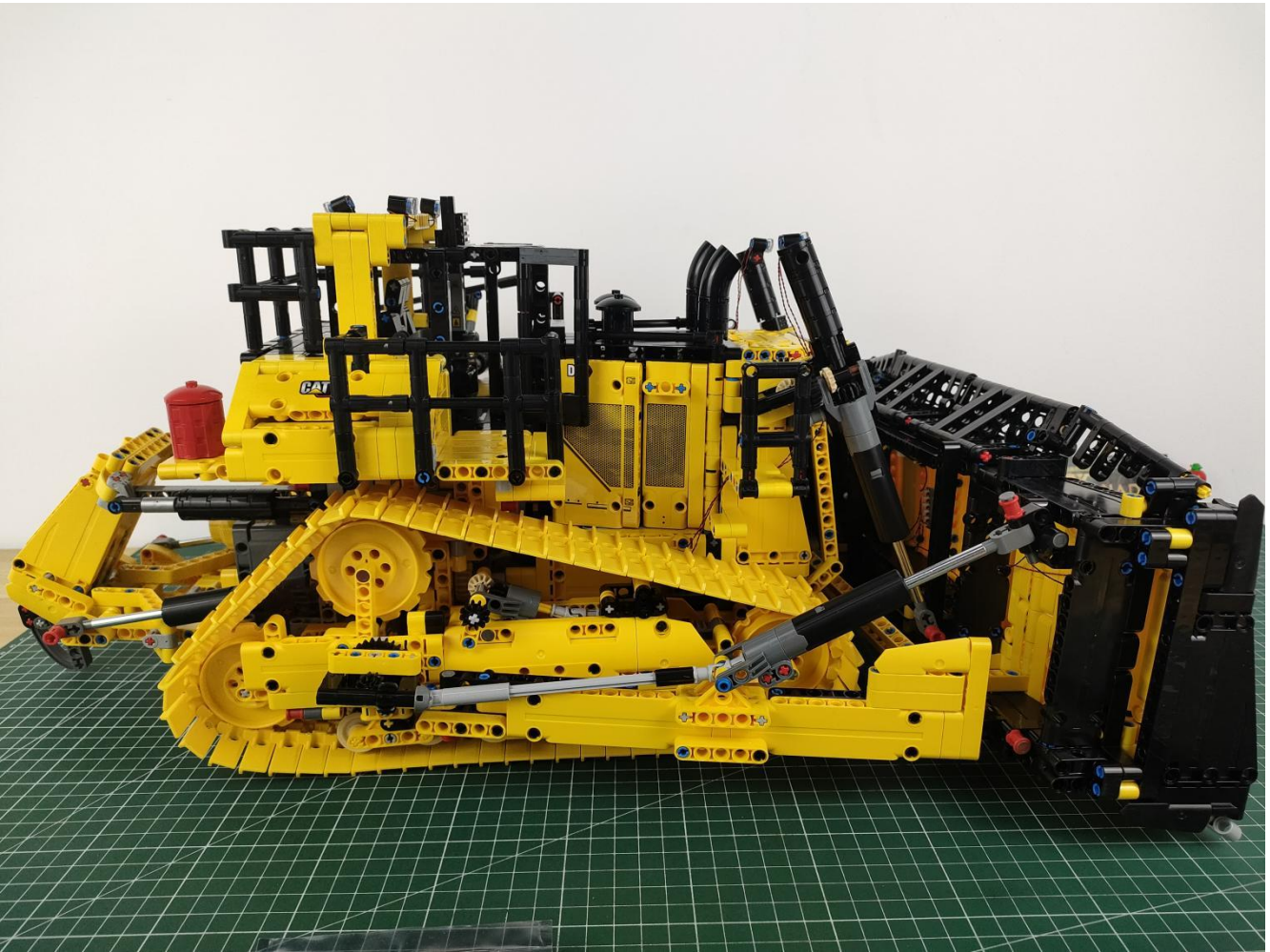


**Pass the cable connecting the expansion board through the gap in the yellow block assembly, and then pull the cable towards the bottom.**

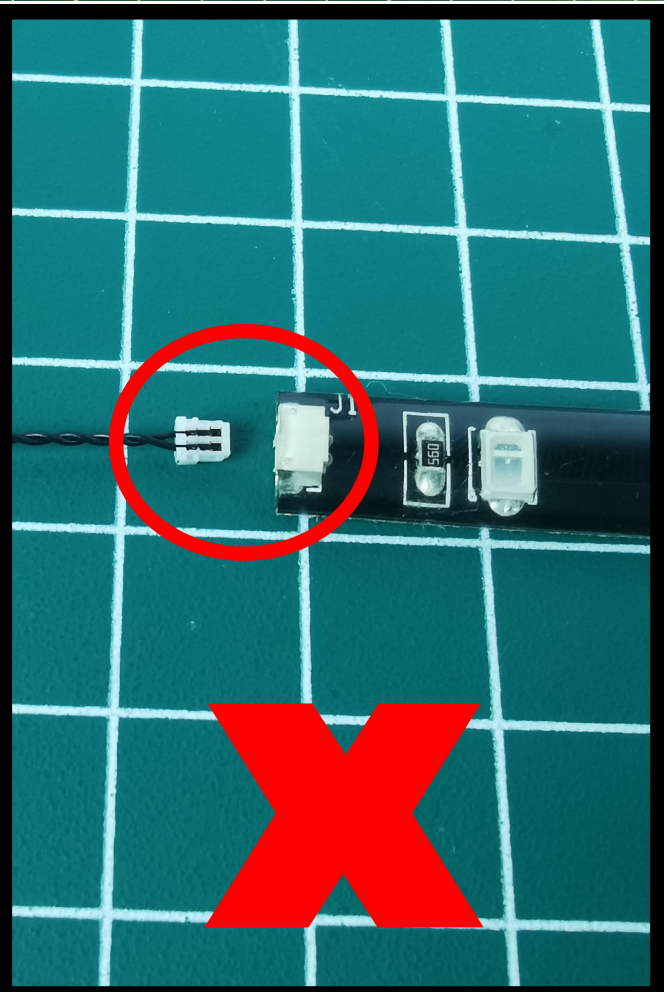
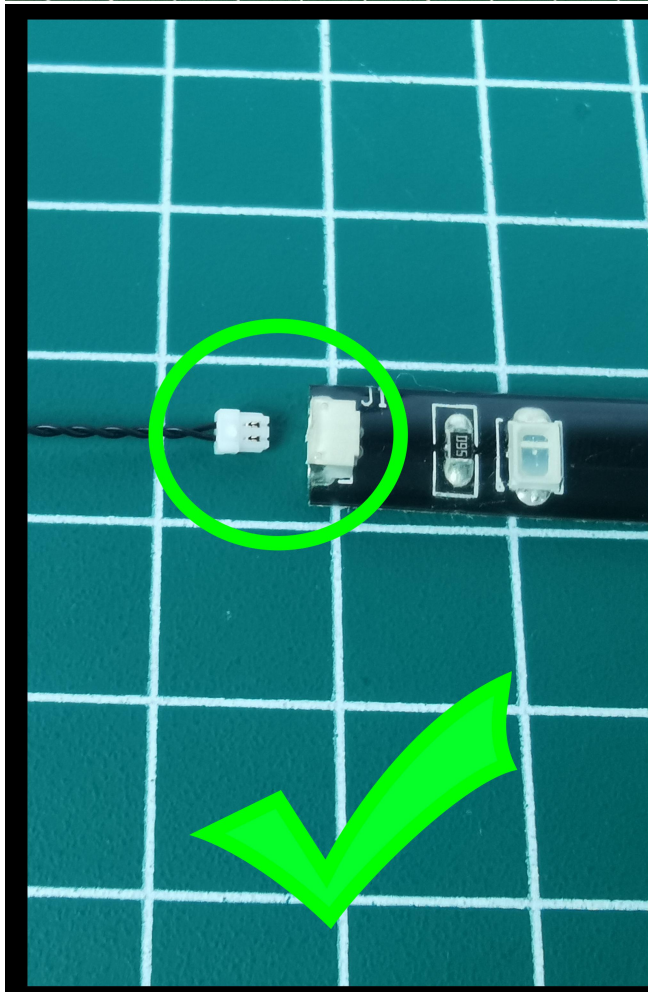


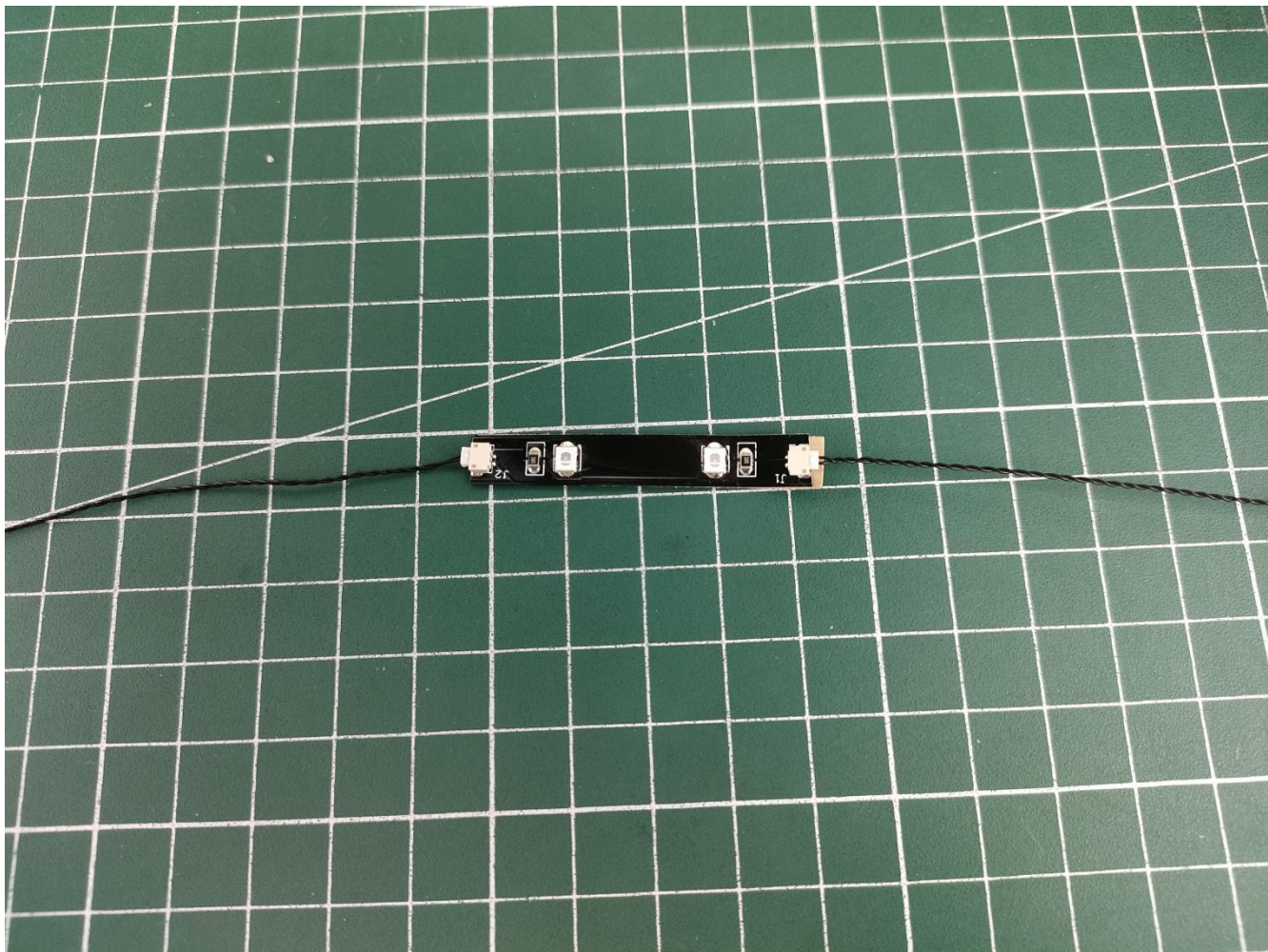
Pass the connecting wire through the small hole of the gray building block assembly, then wrap the excessively long connecting wire around the gray building block assembly, and finally connect the connecting wire to the expansion board.

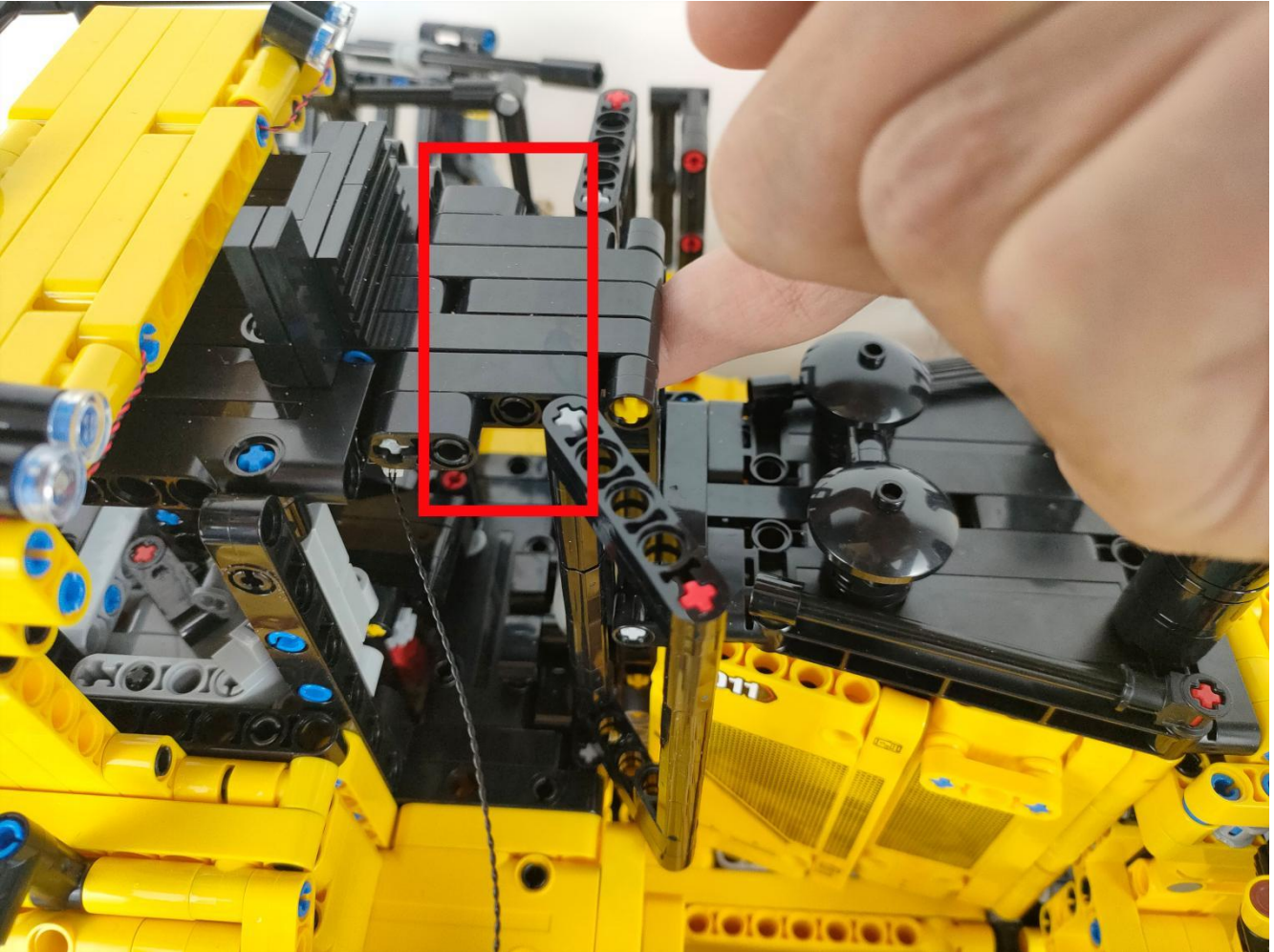
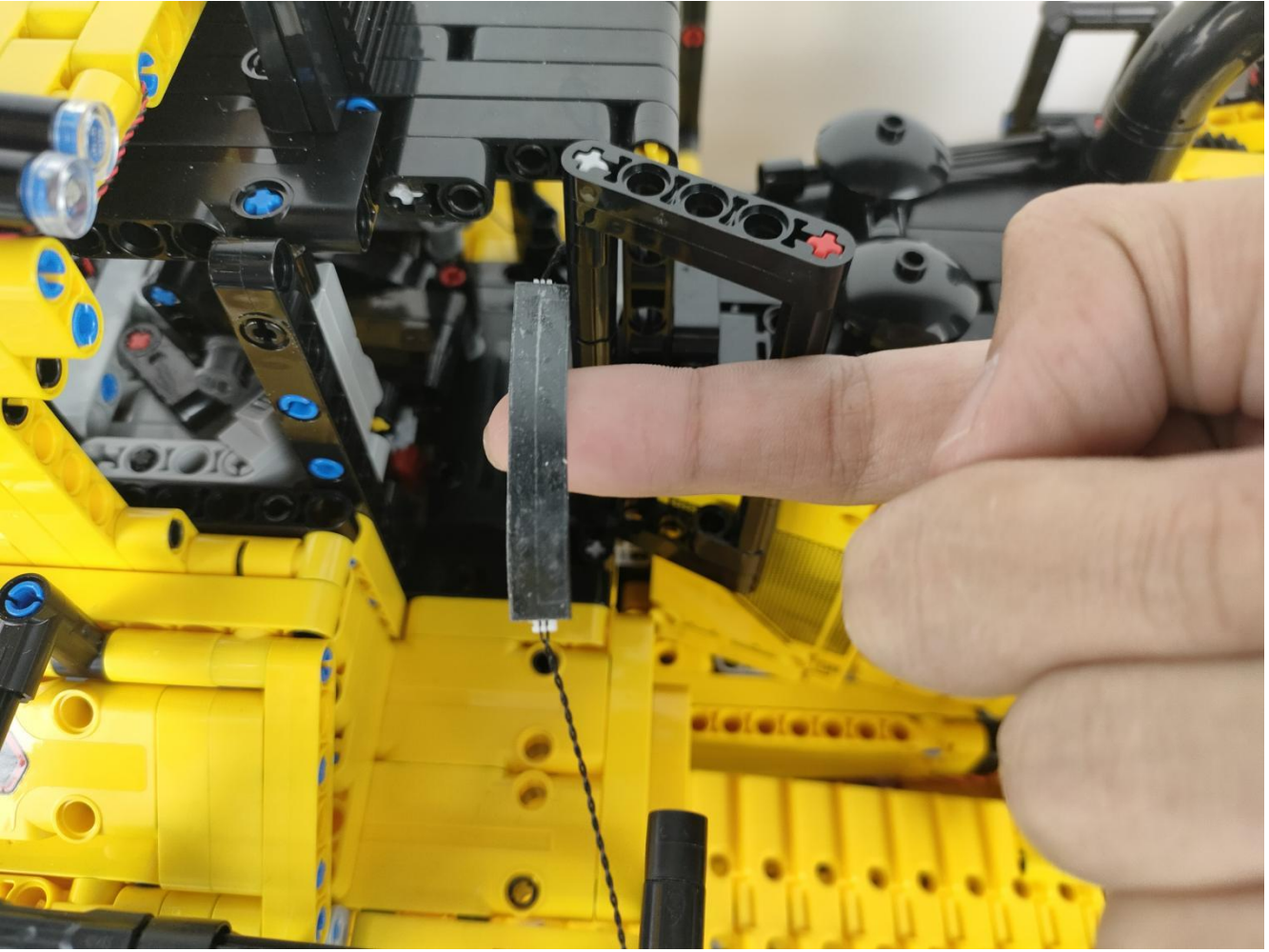


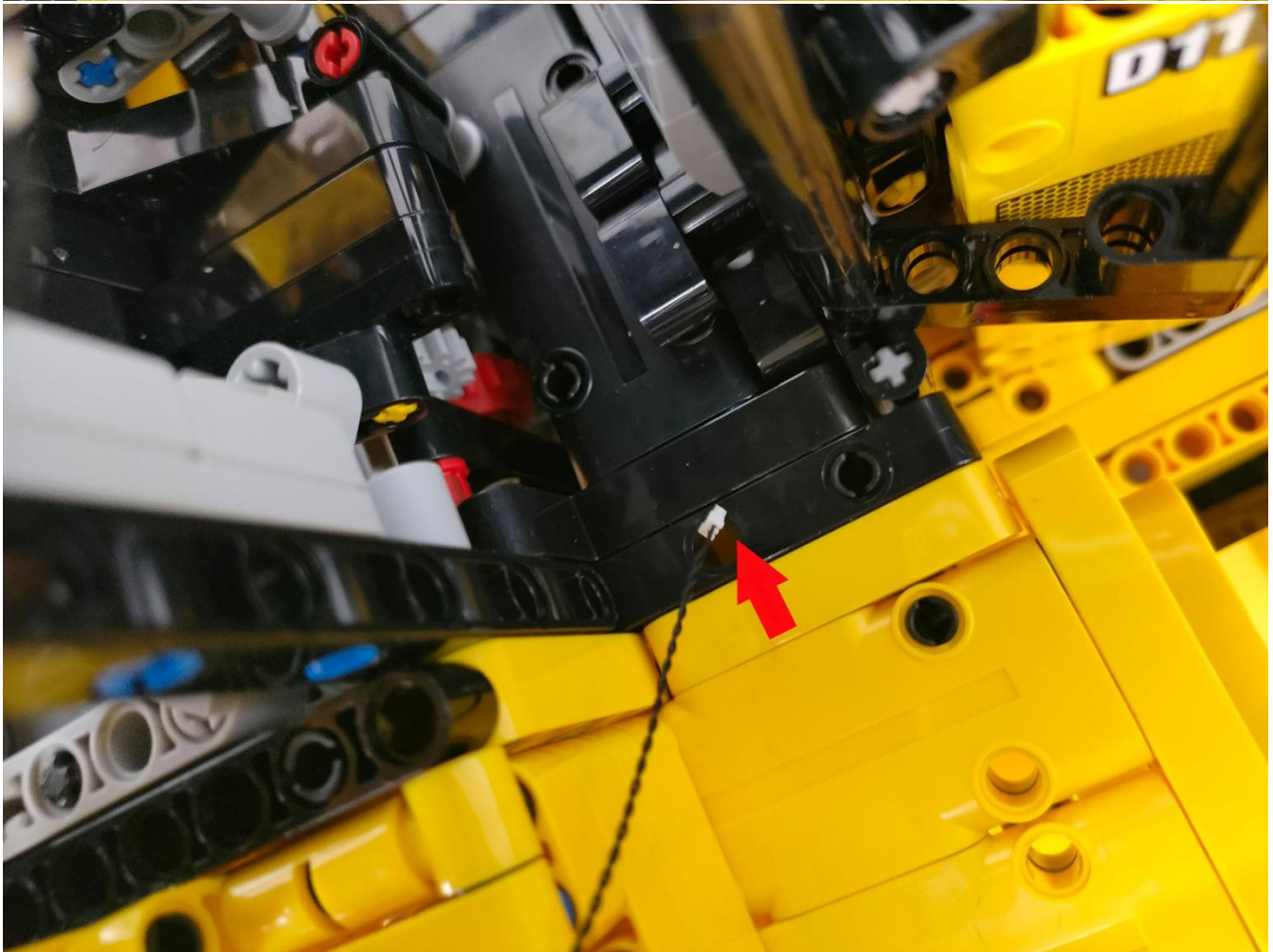
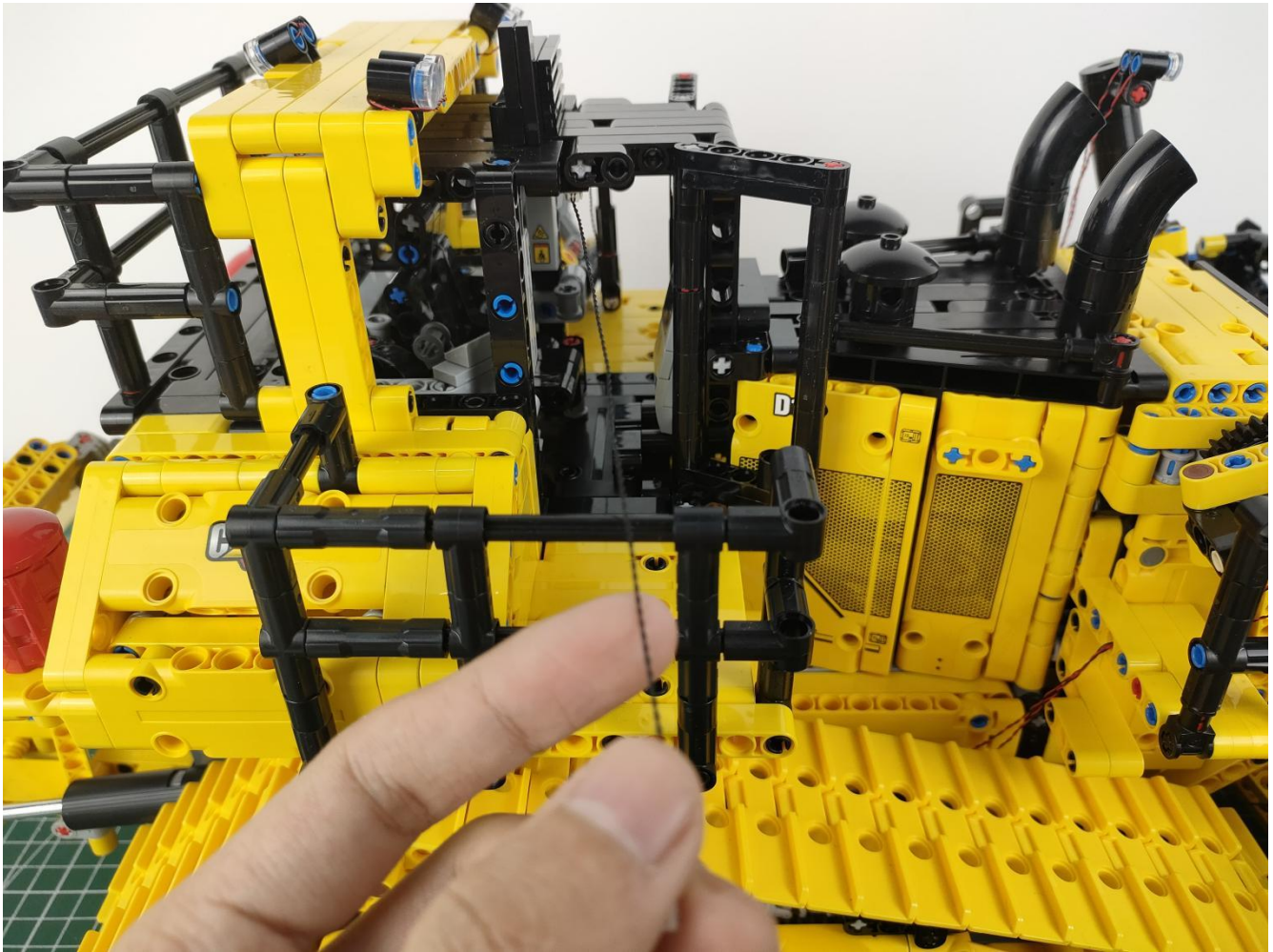




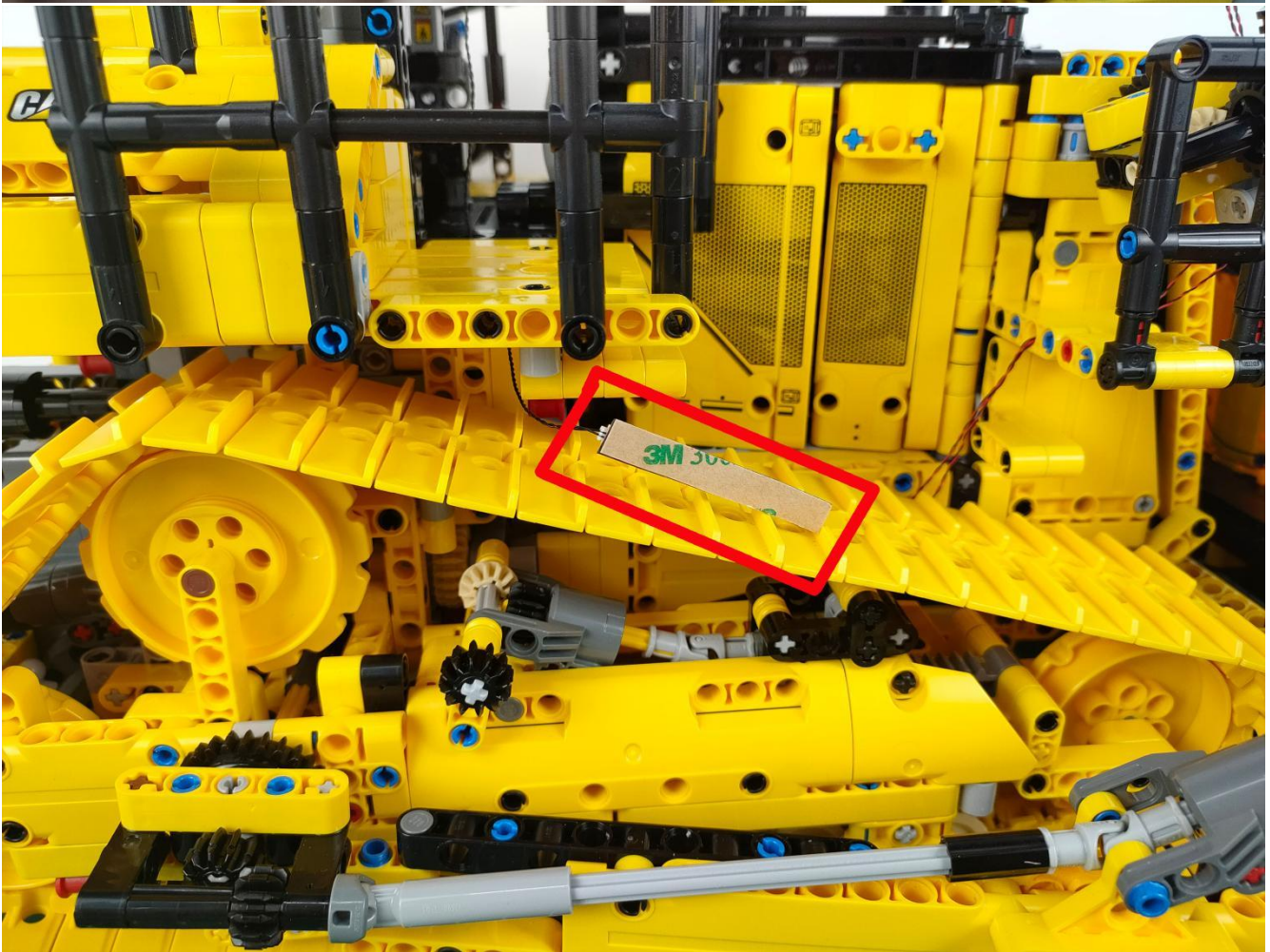
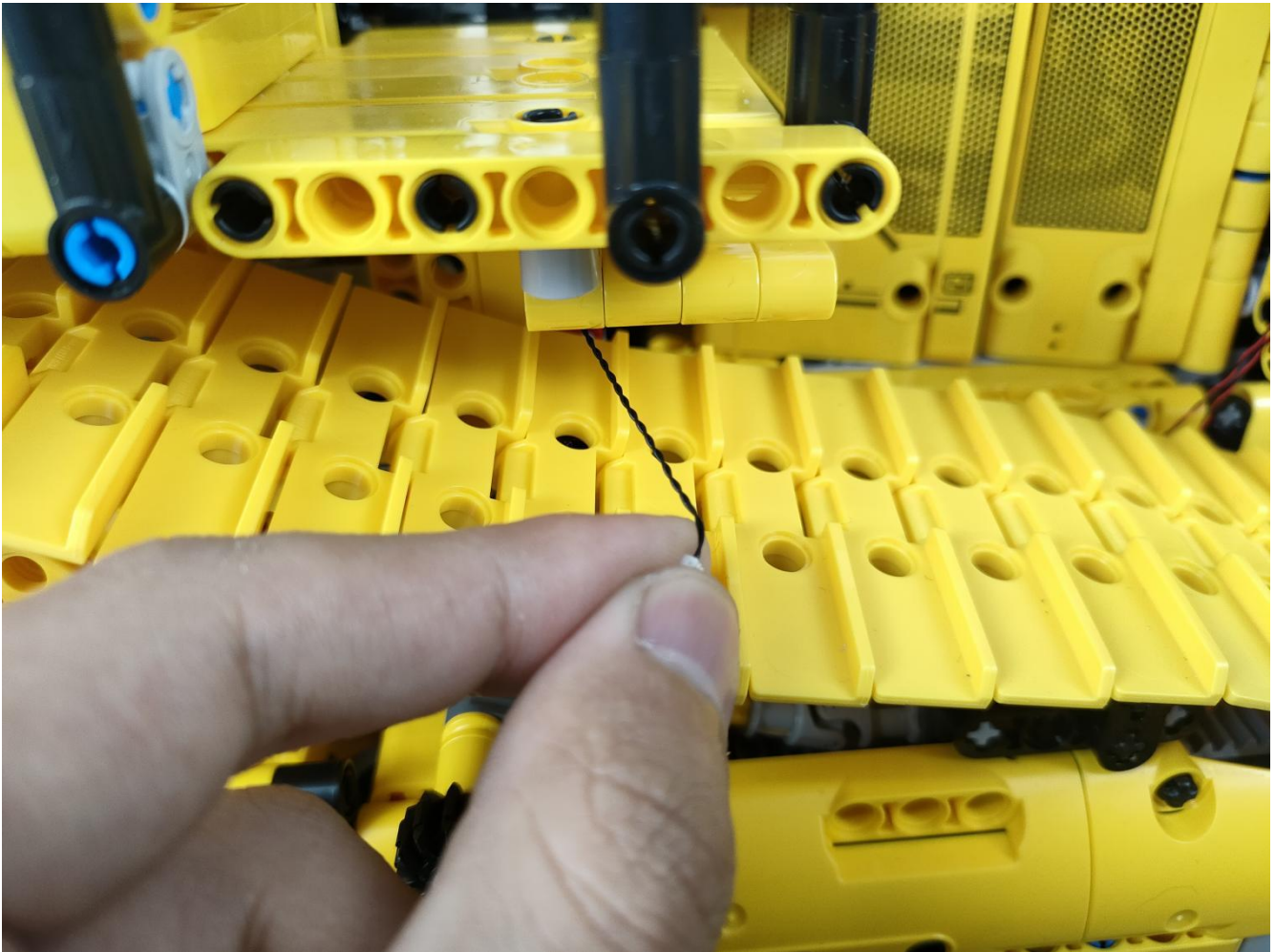


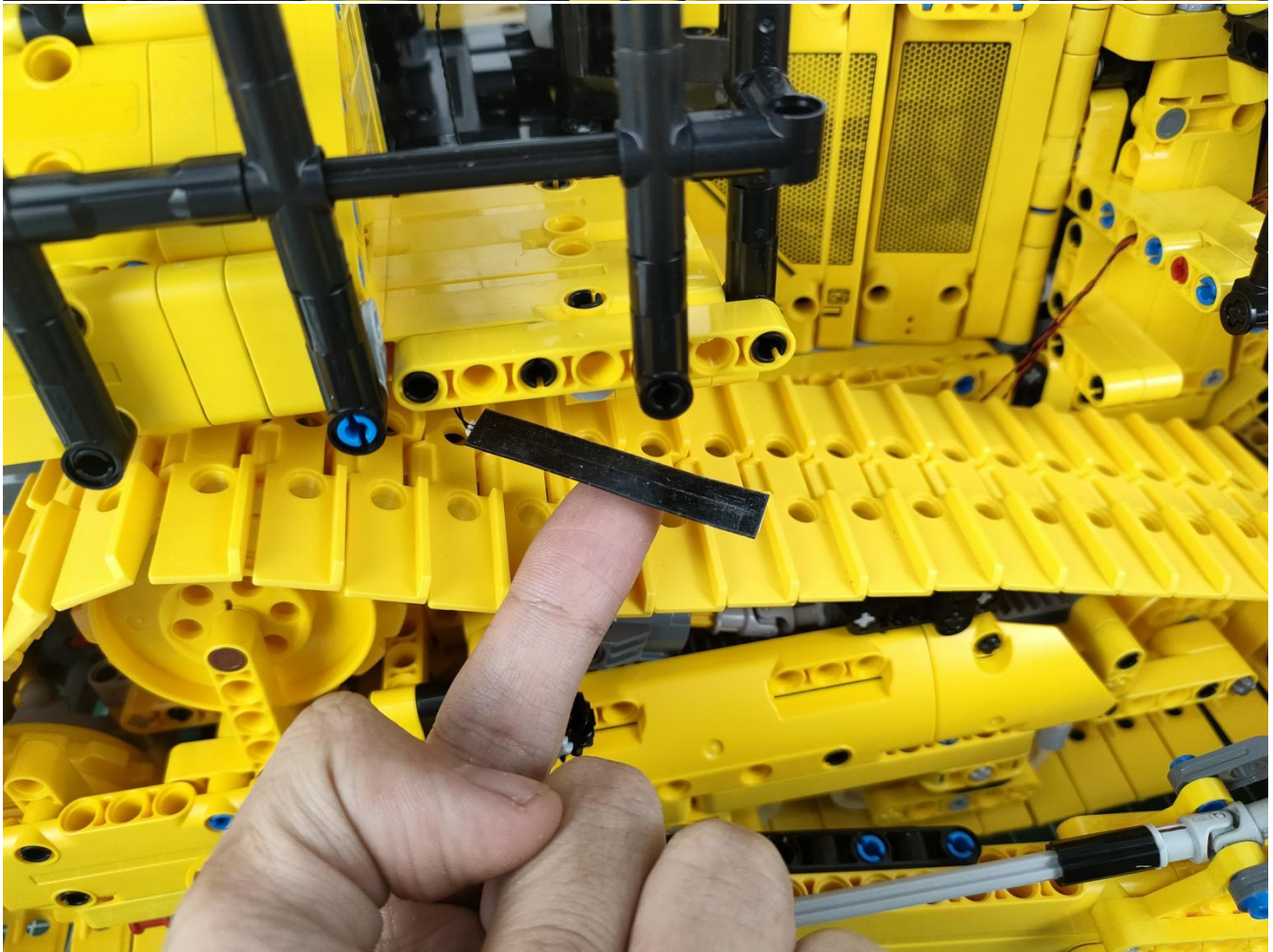
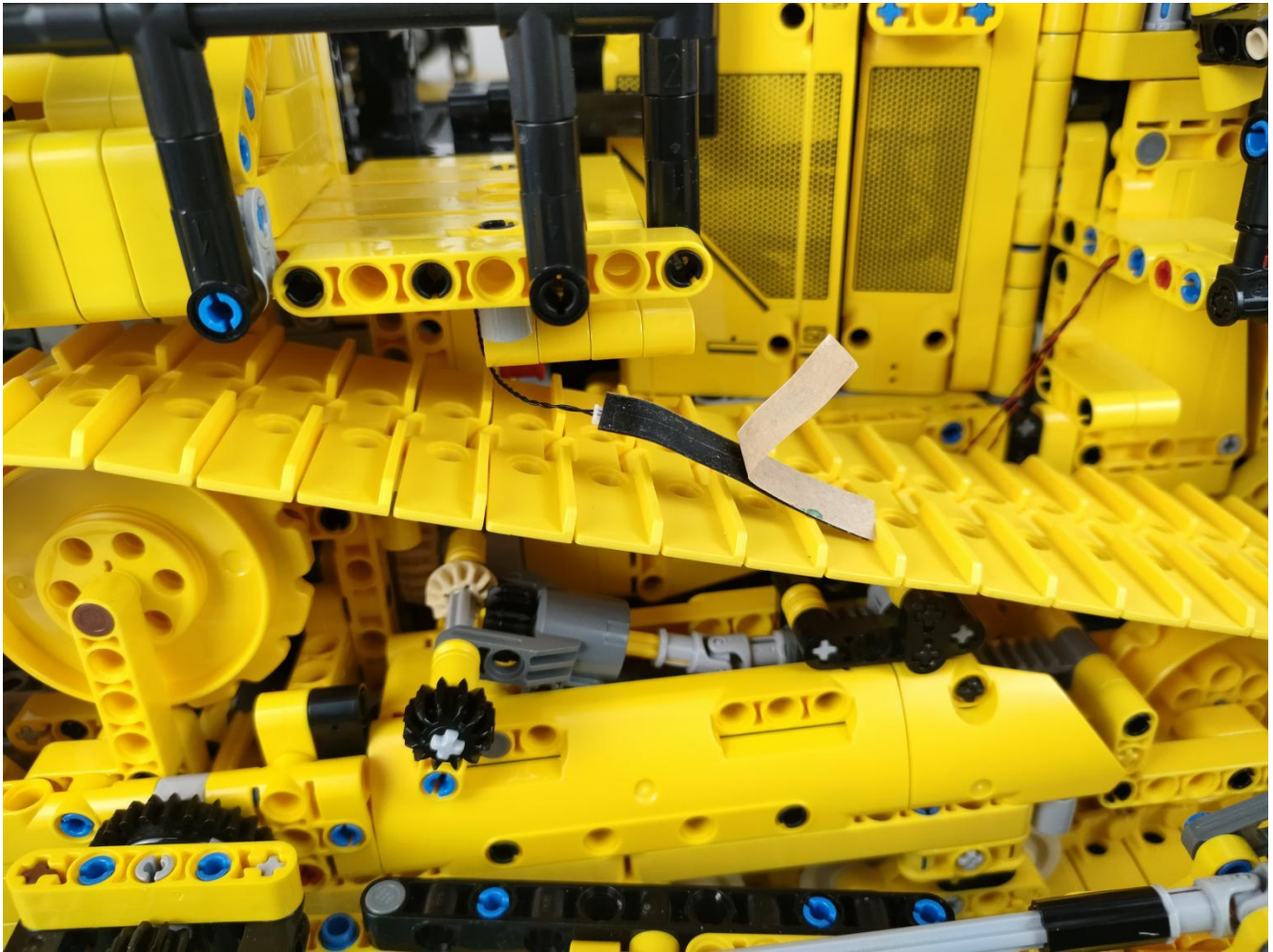


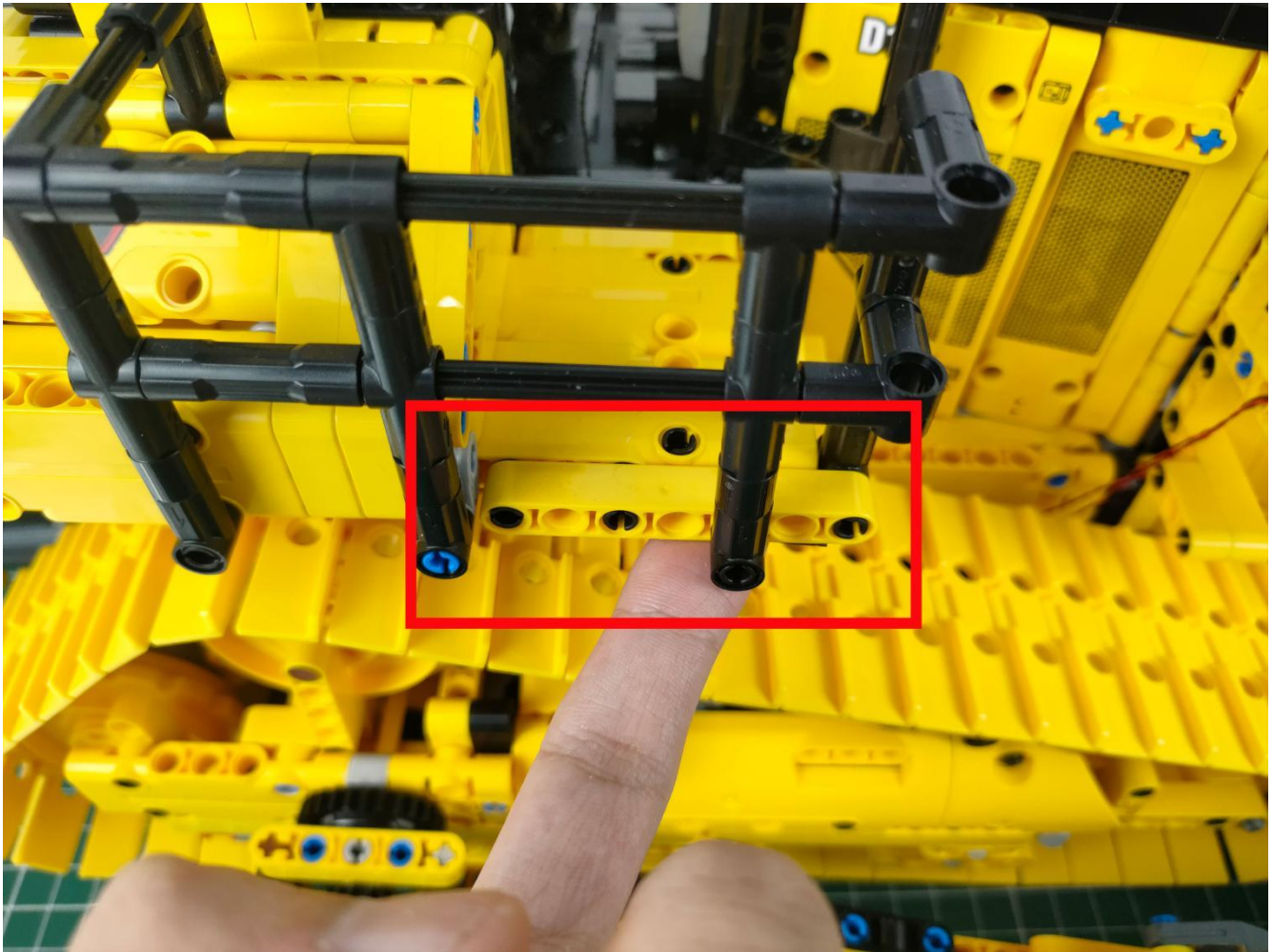




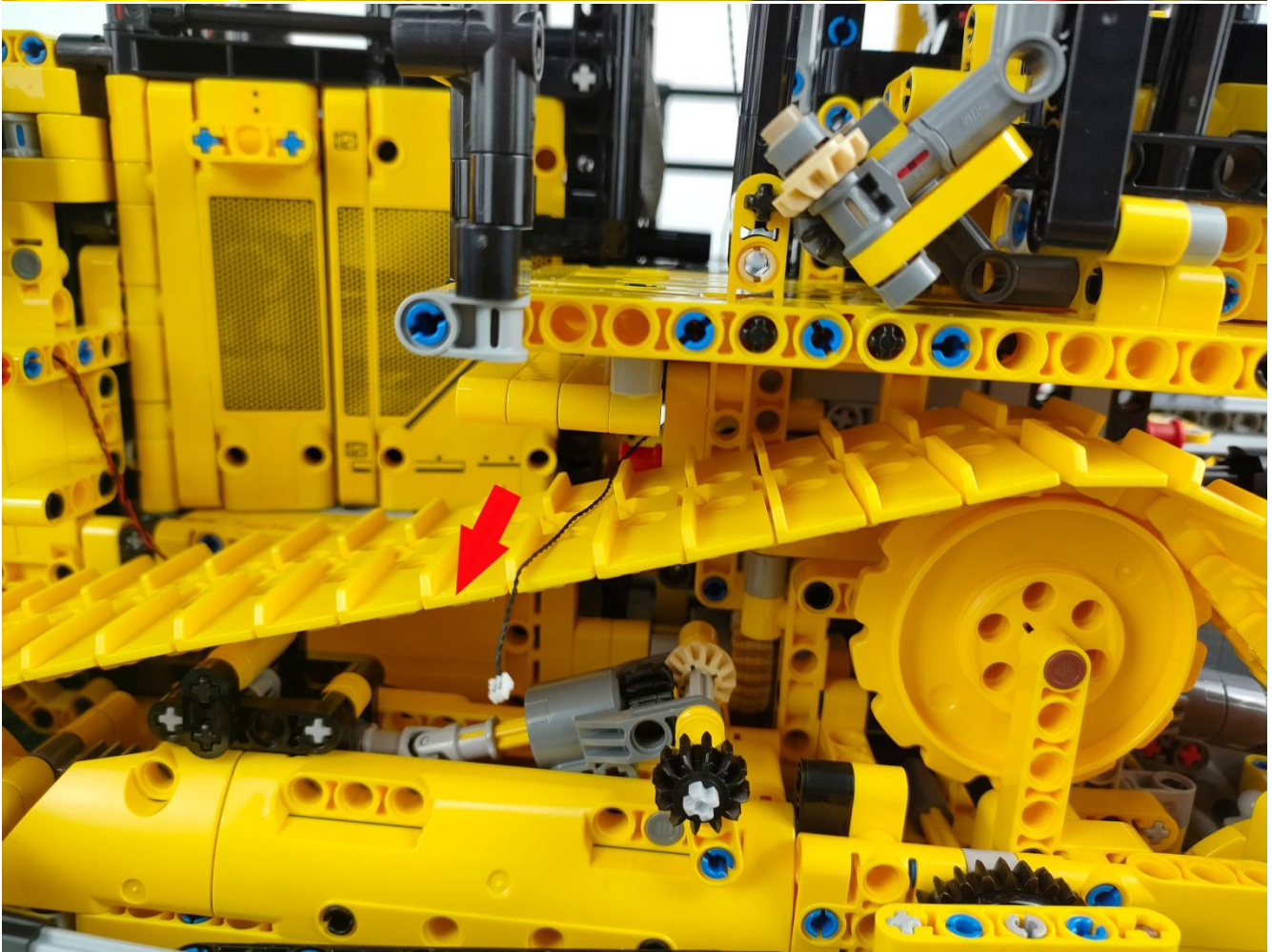
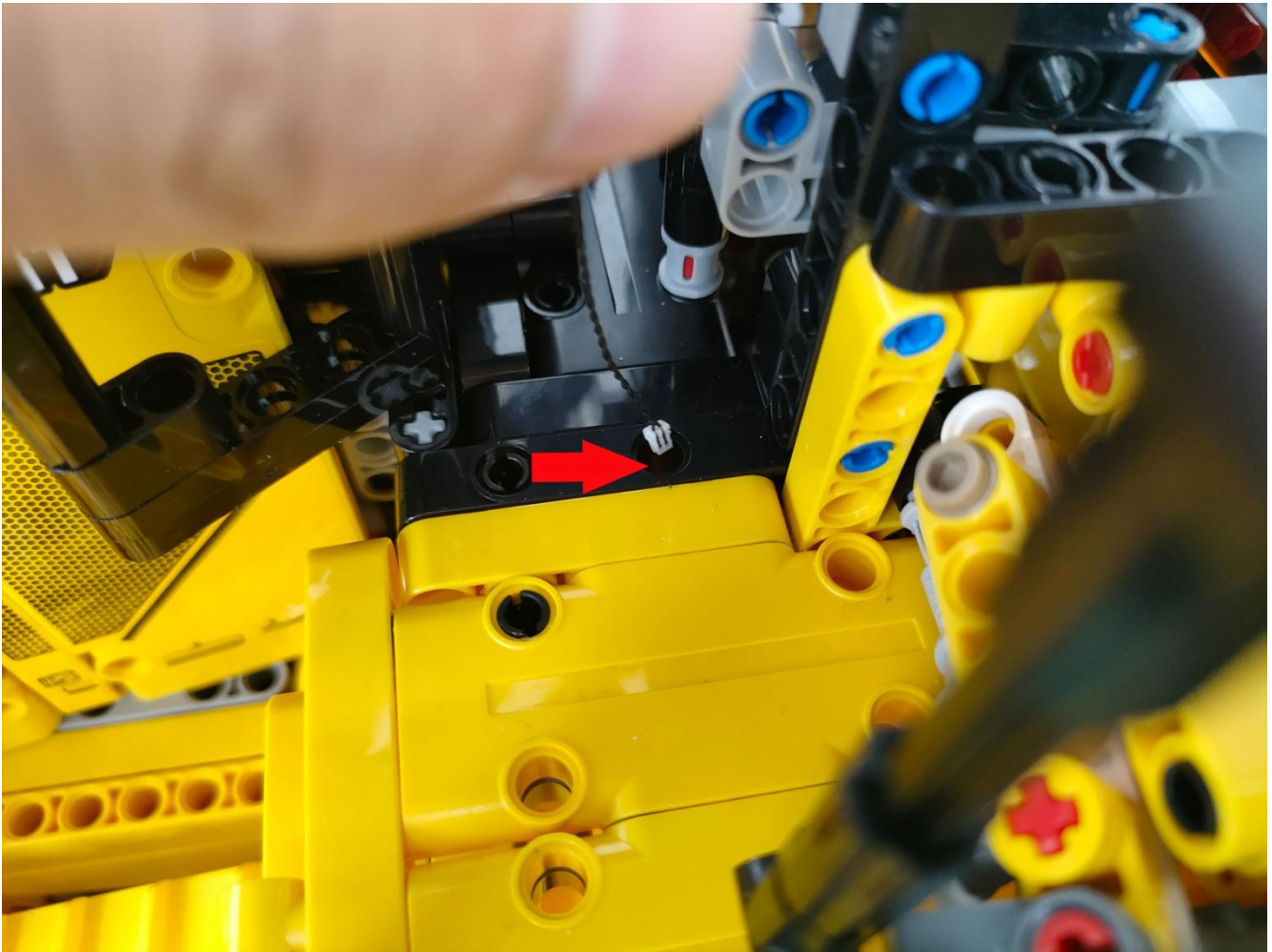


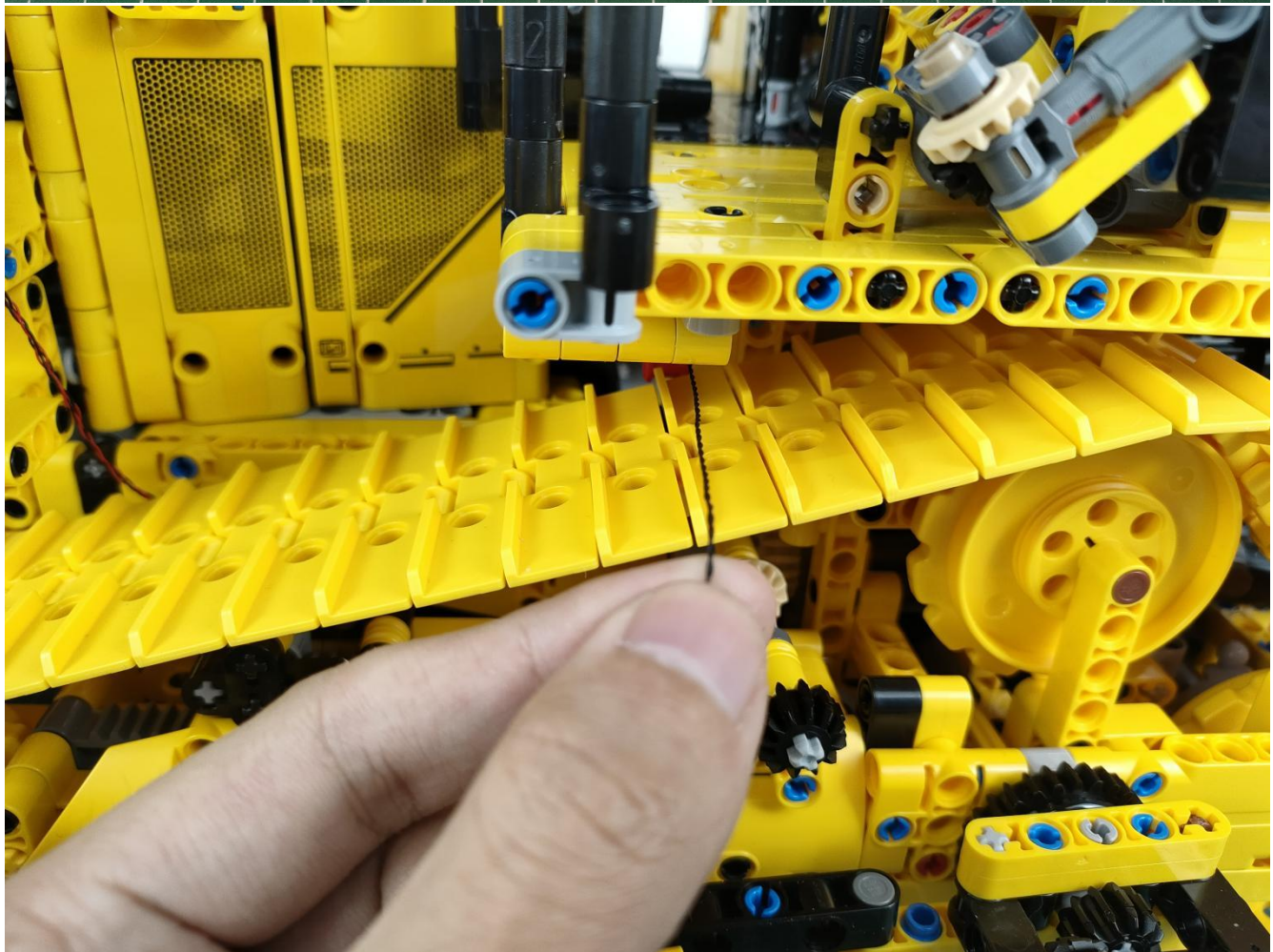


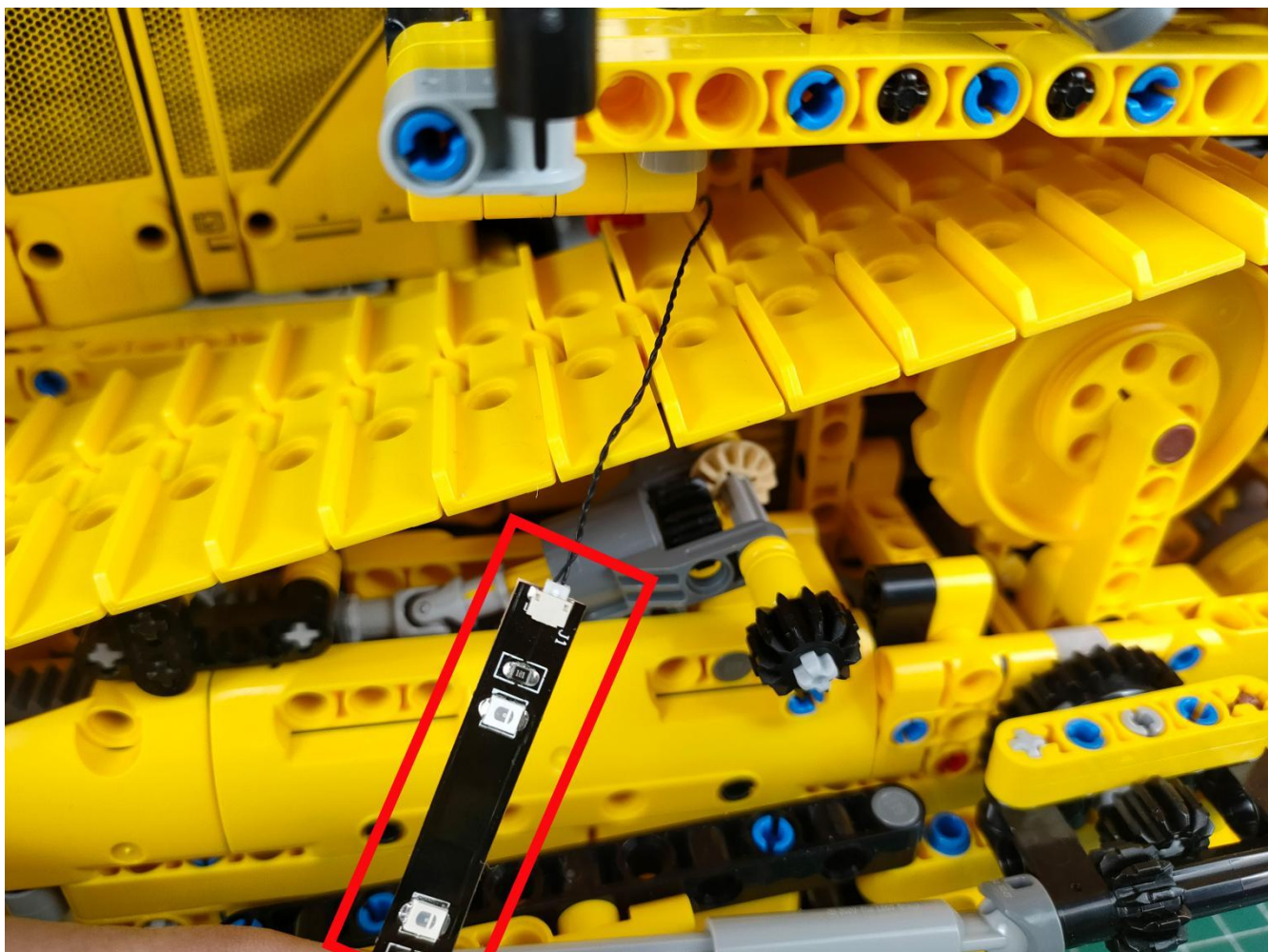


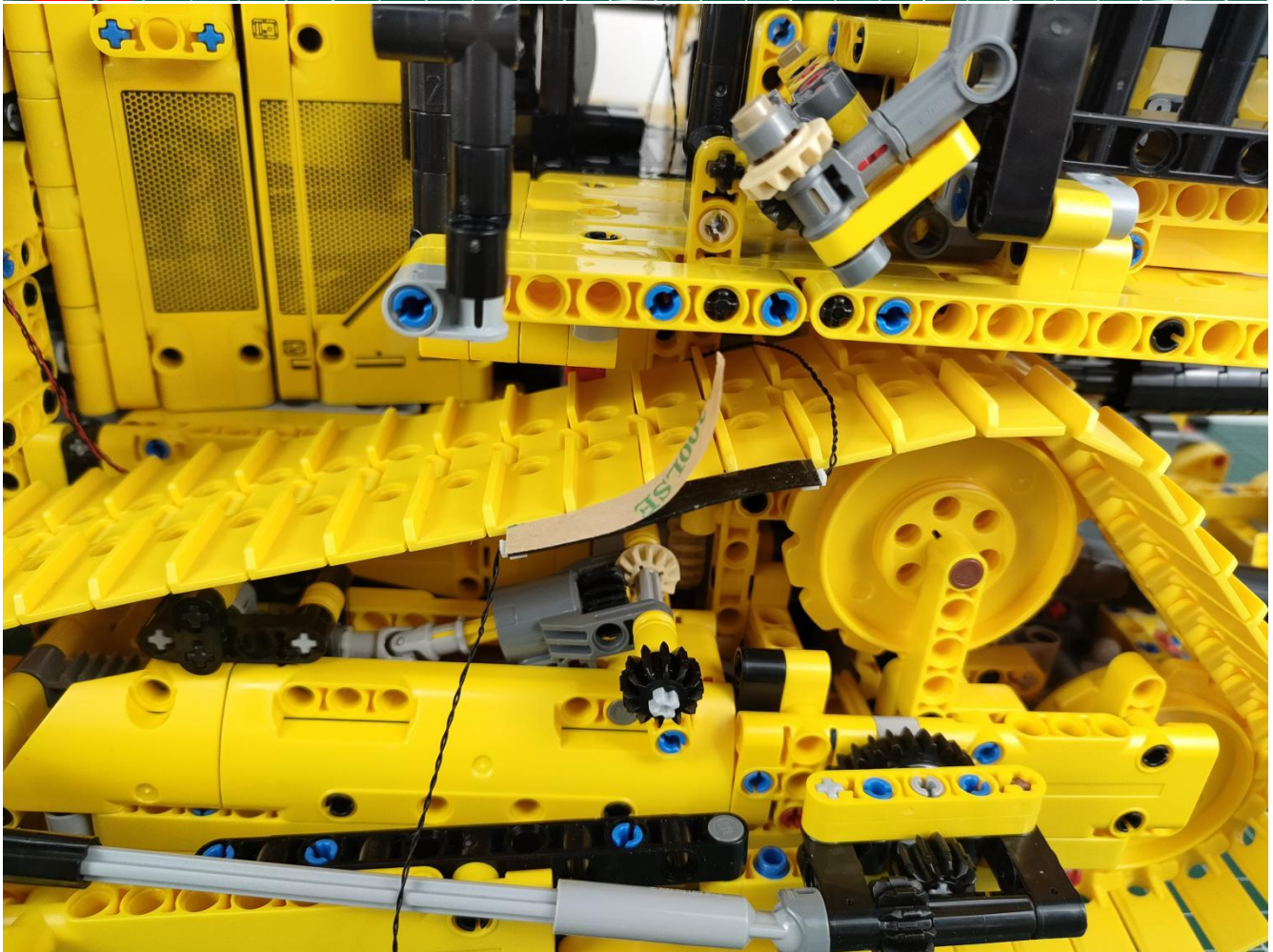
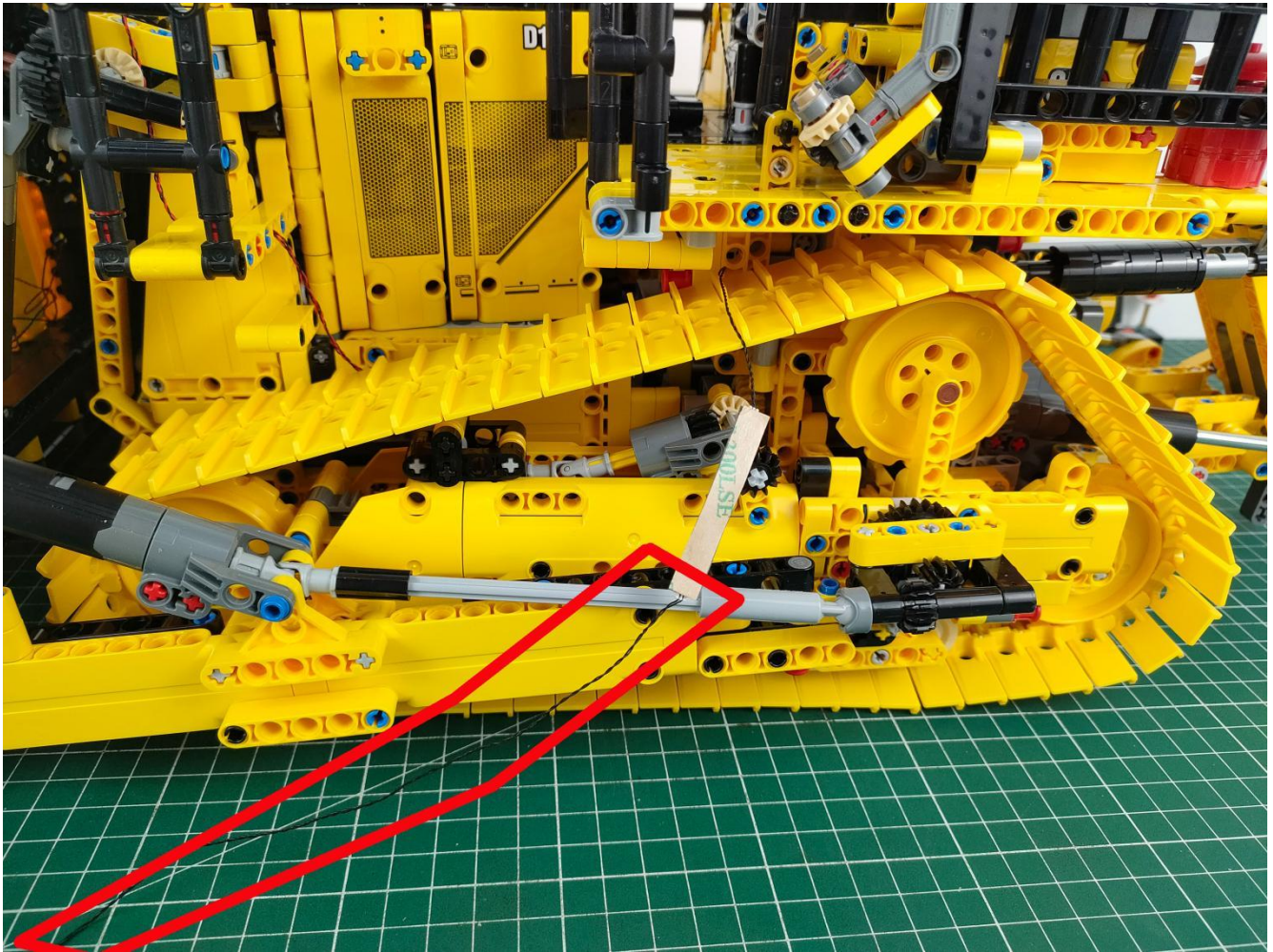


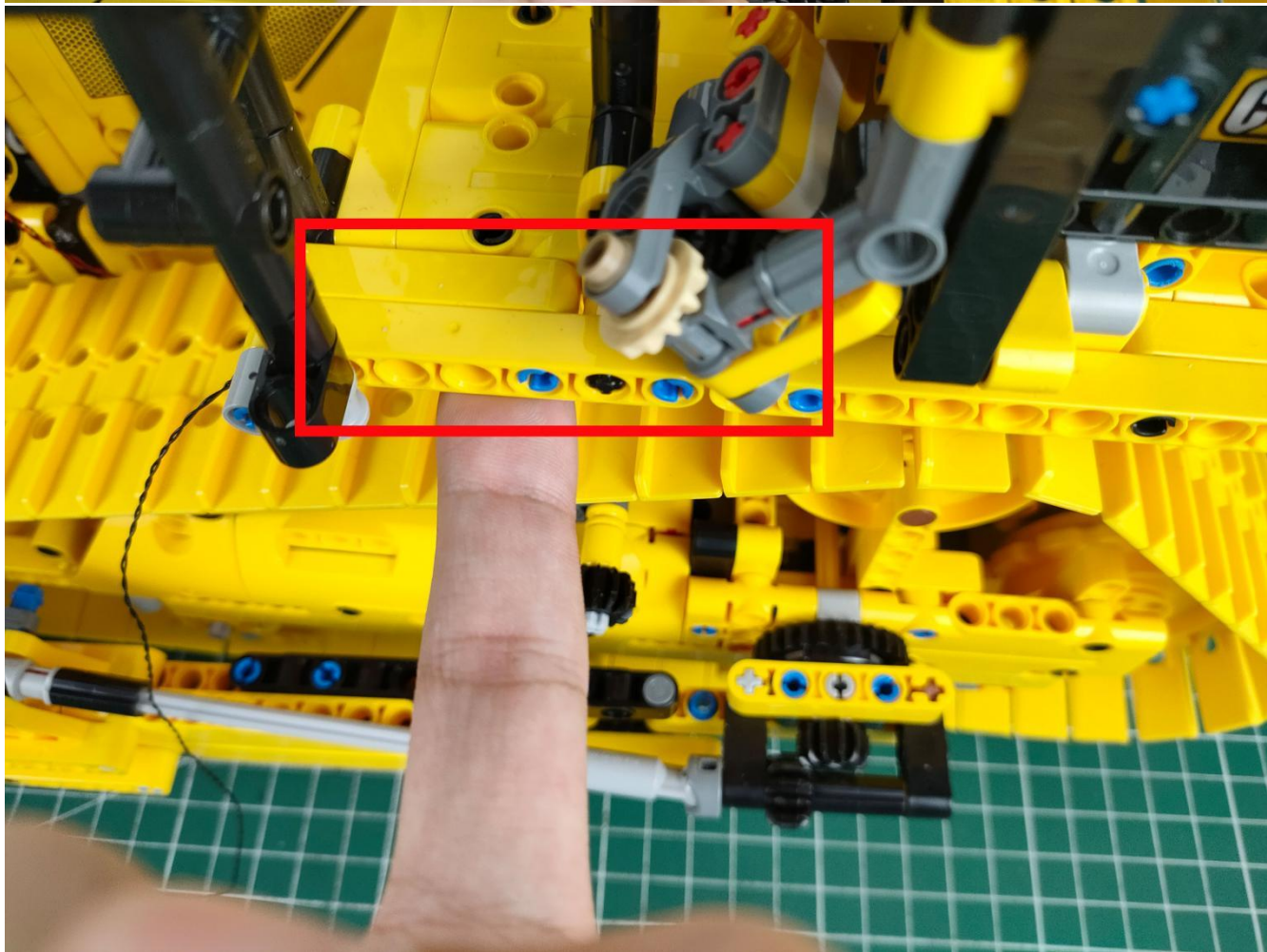
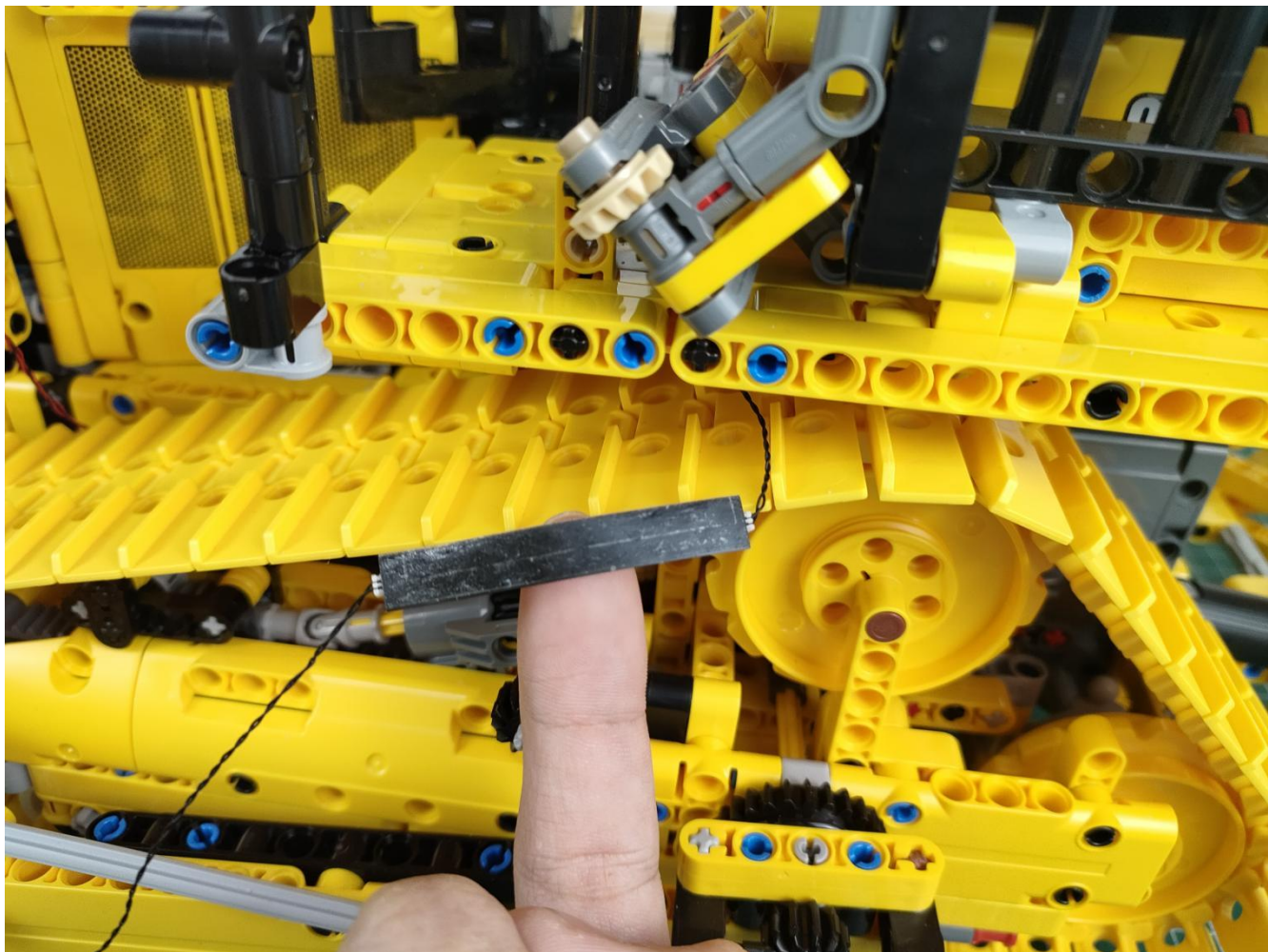


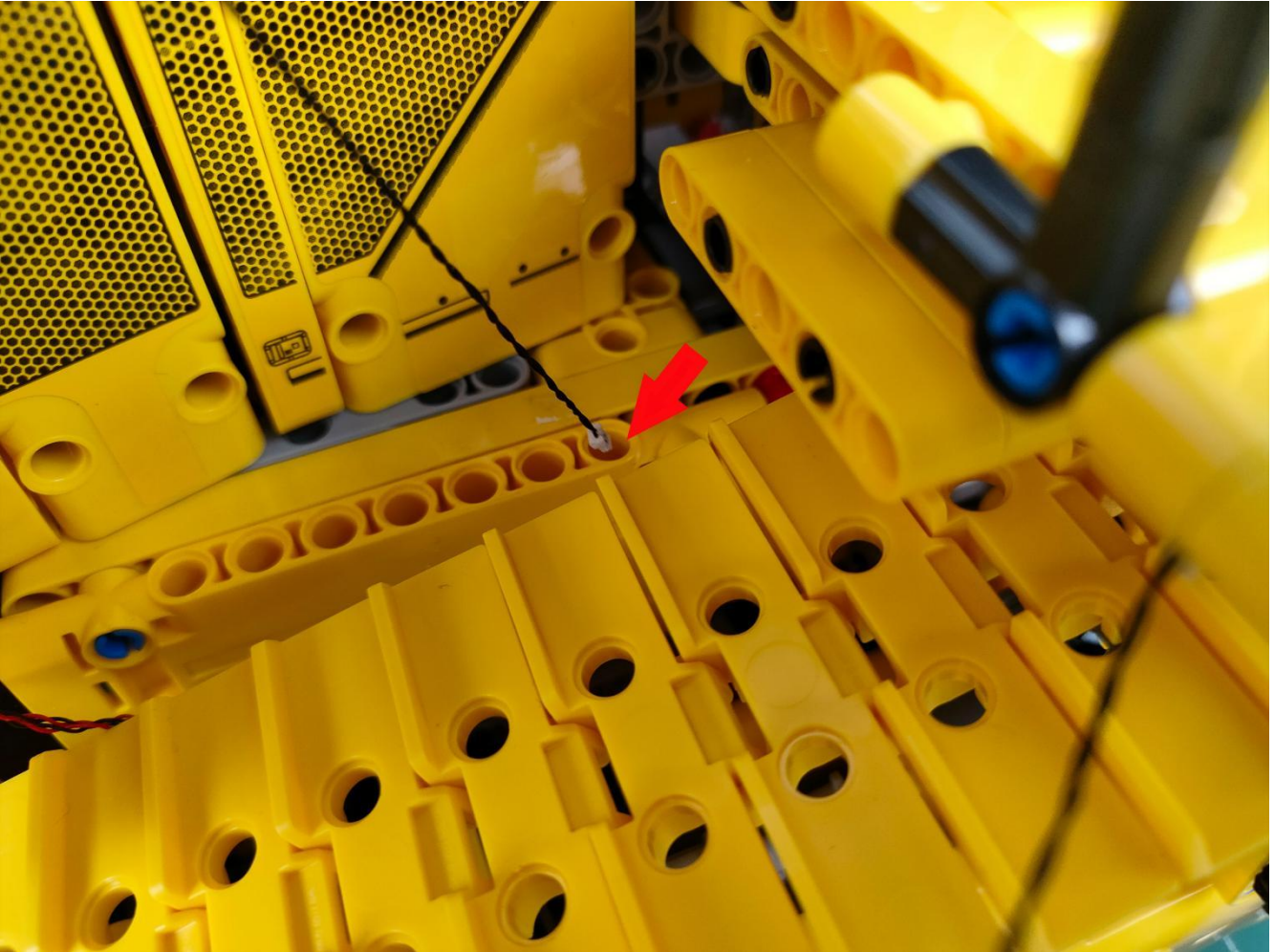
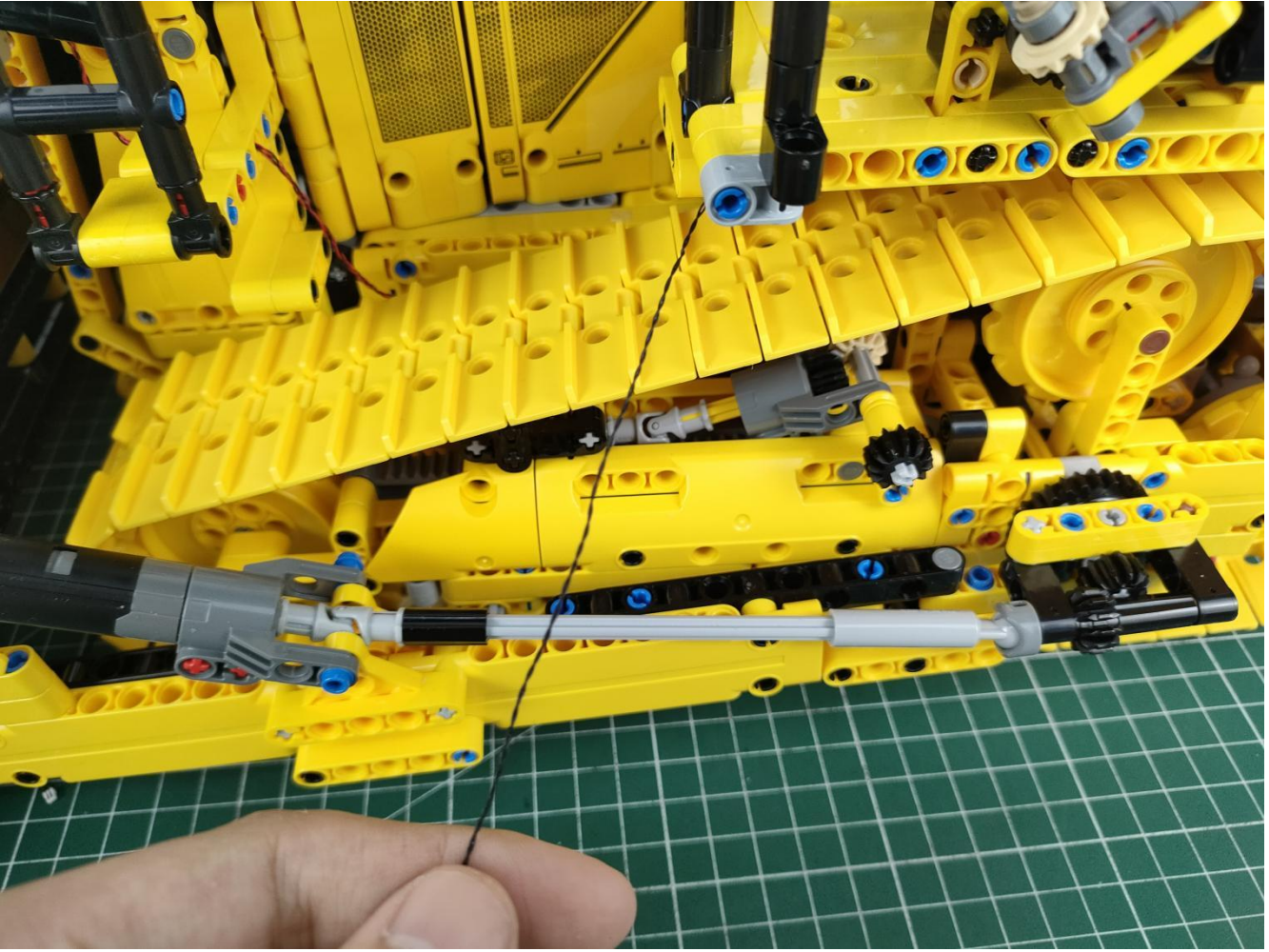


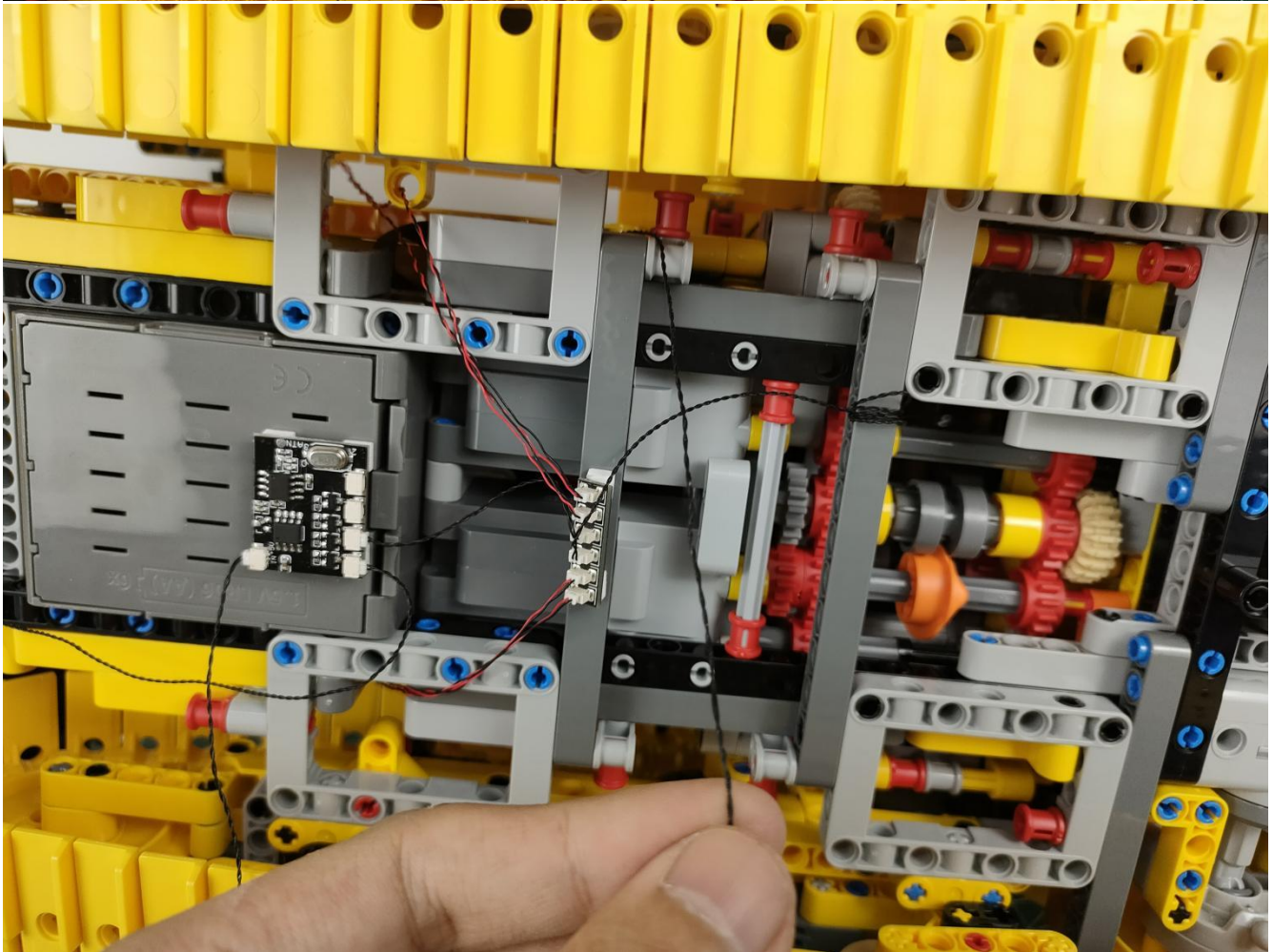
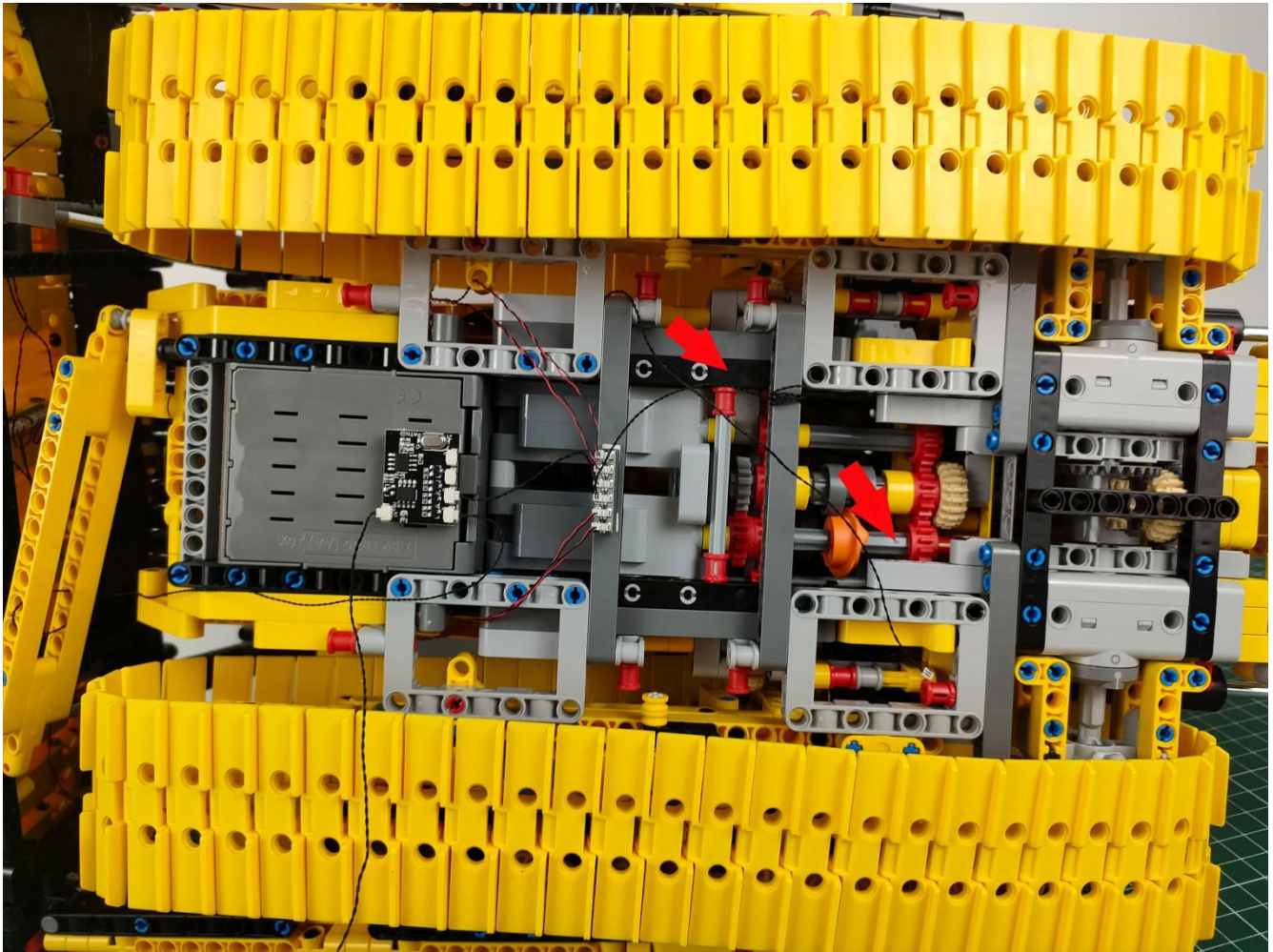




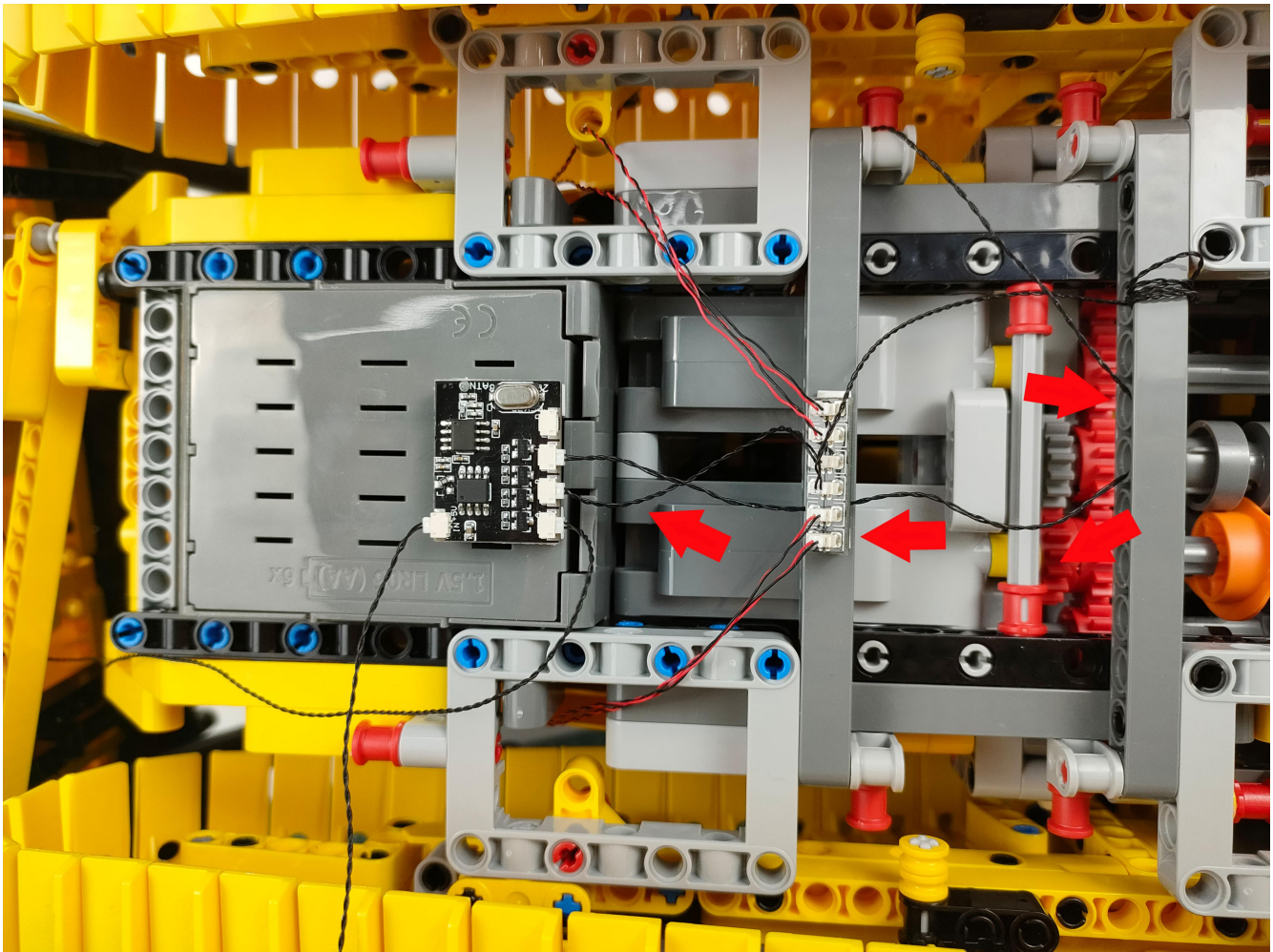




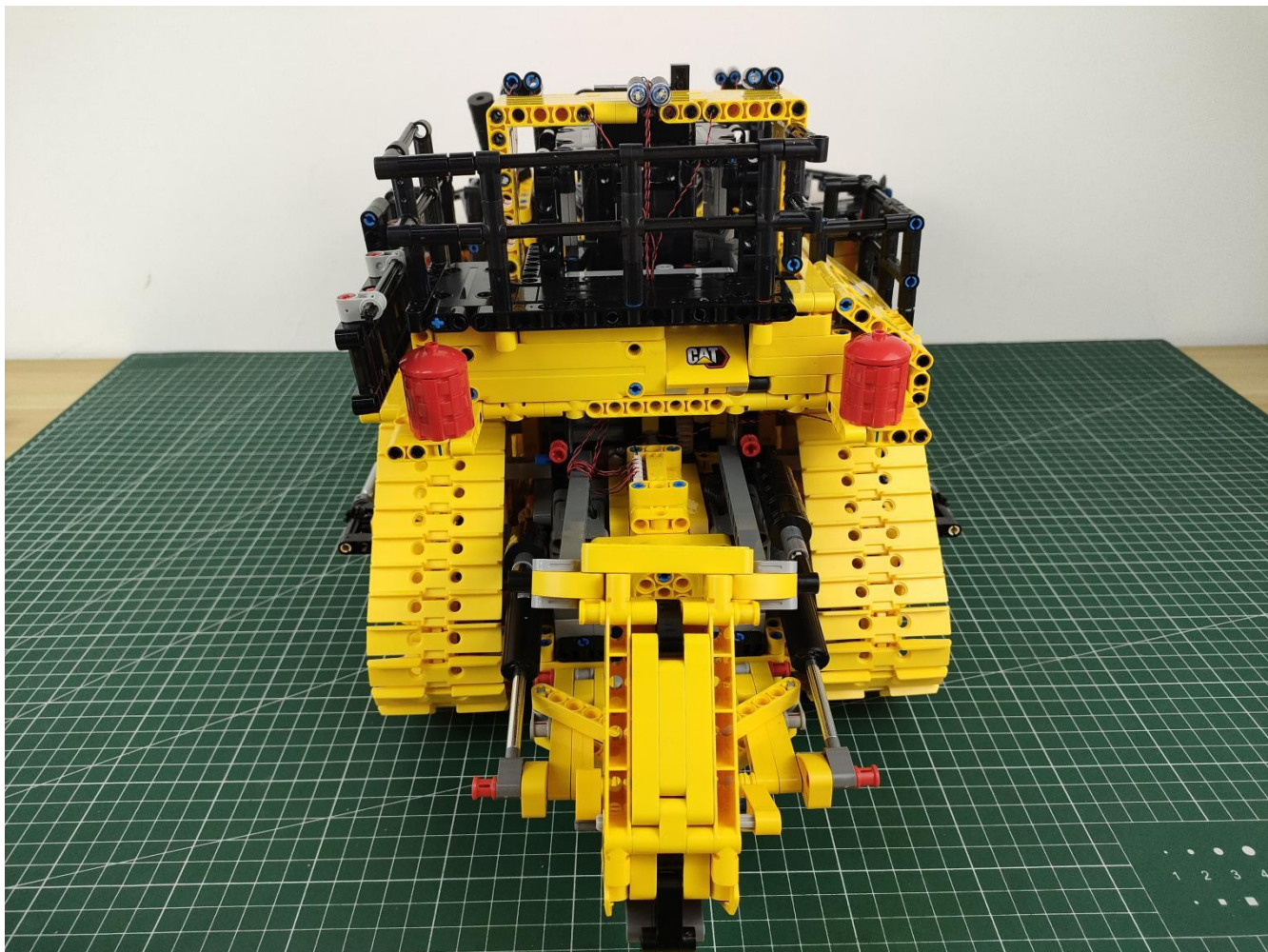


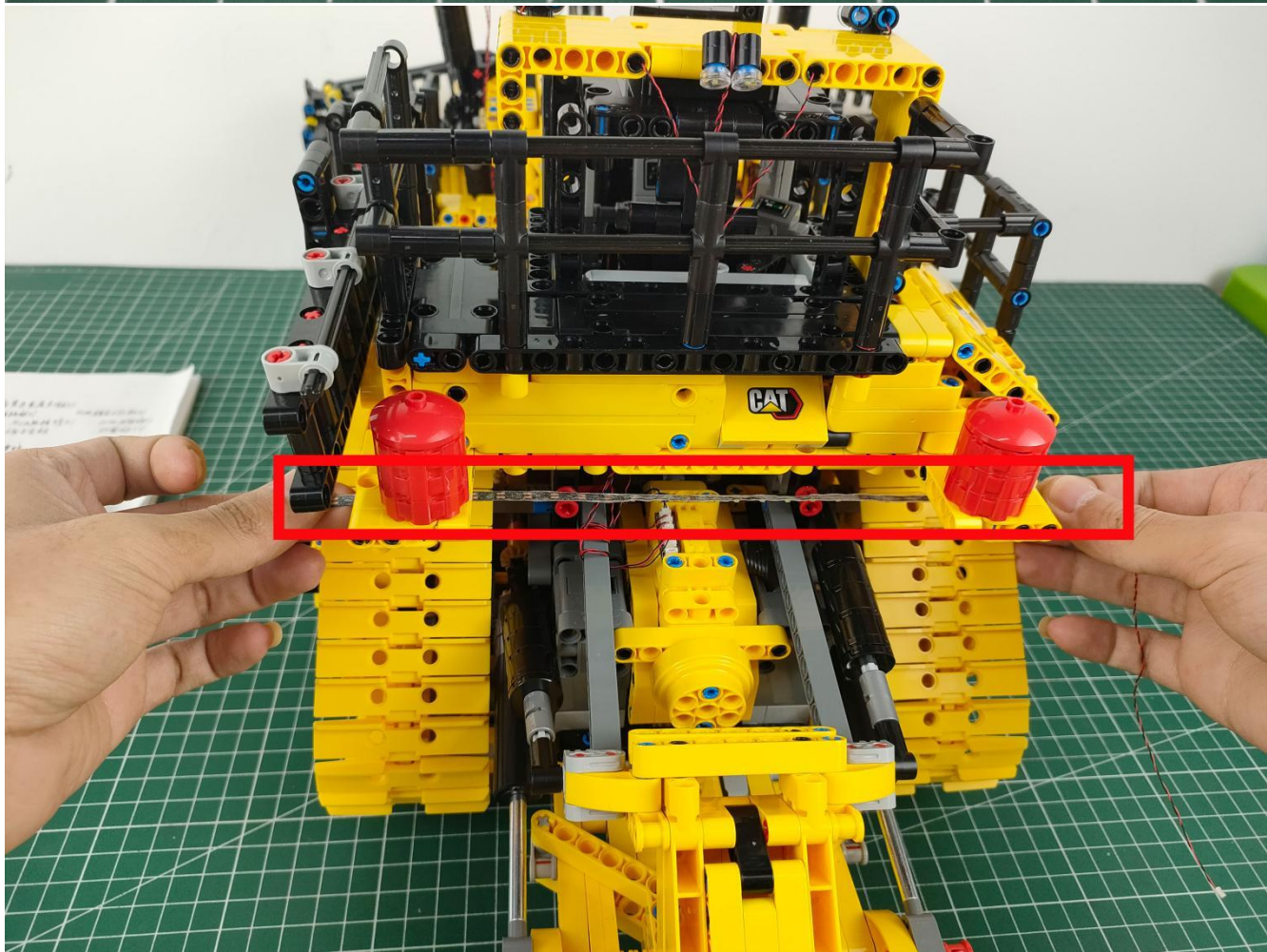
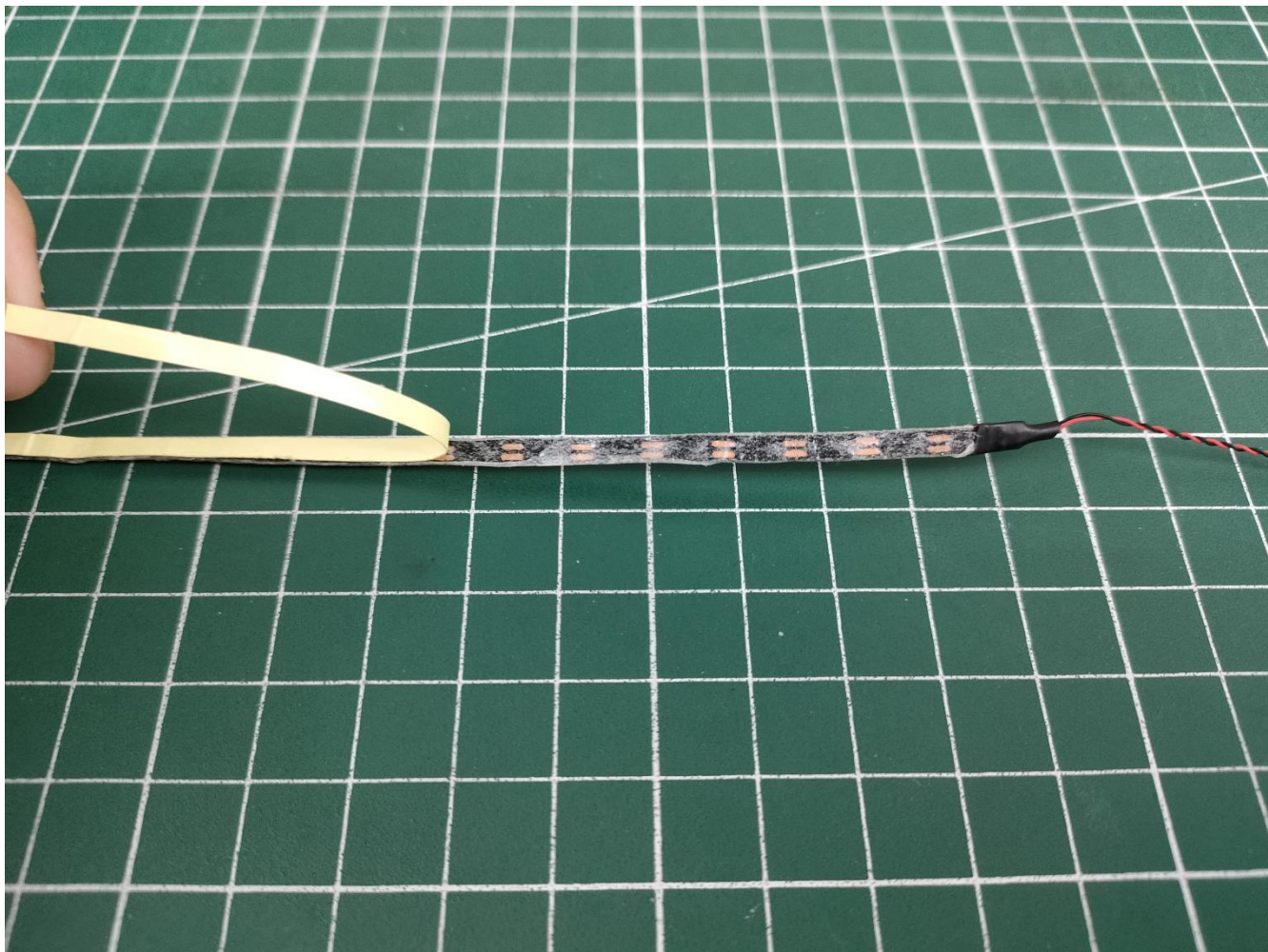


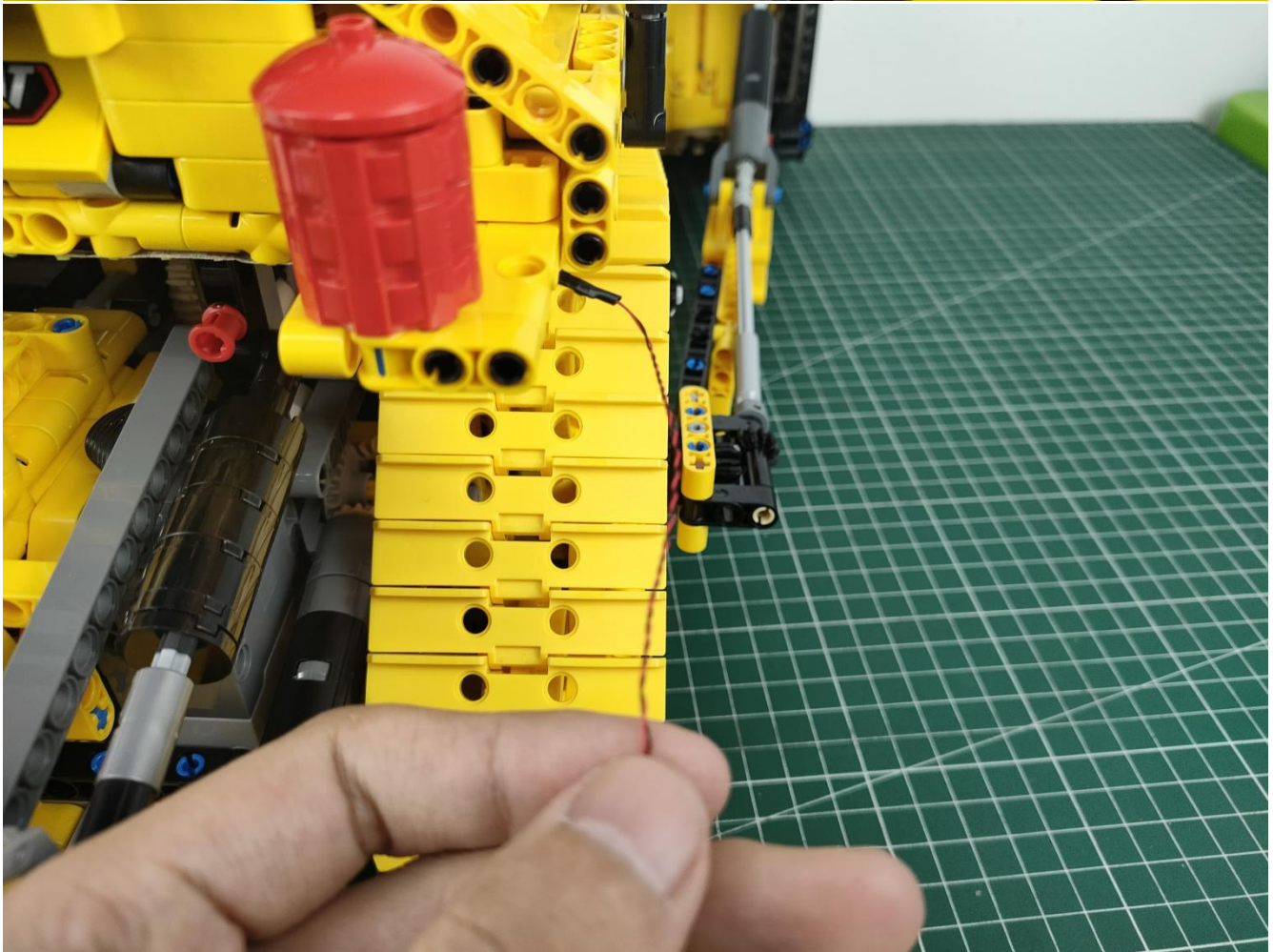
**Pass the connecting wire through the 2 holes of the gray building block in a row, then pull the connecting wire to the left, then pass through the small hole of the gray building block at the bottom of the expansion board, and finally connect the connecting wire to the remote control module.**

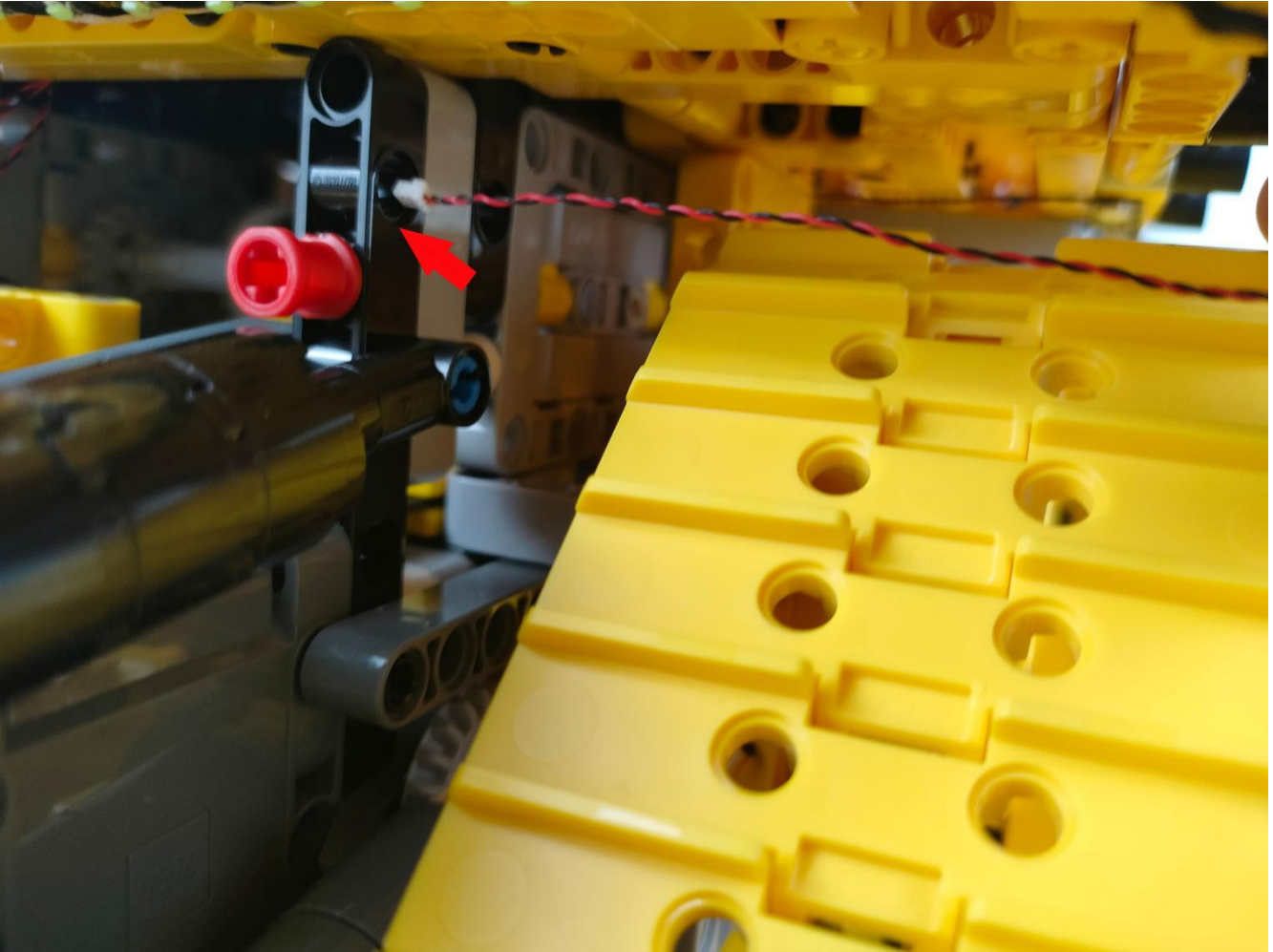






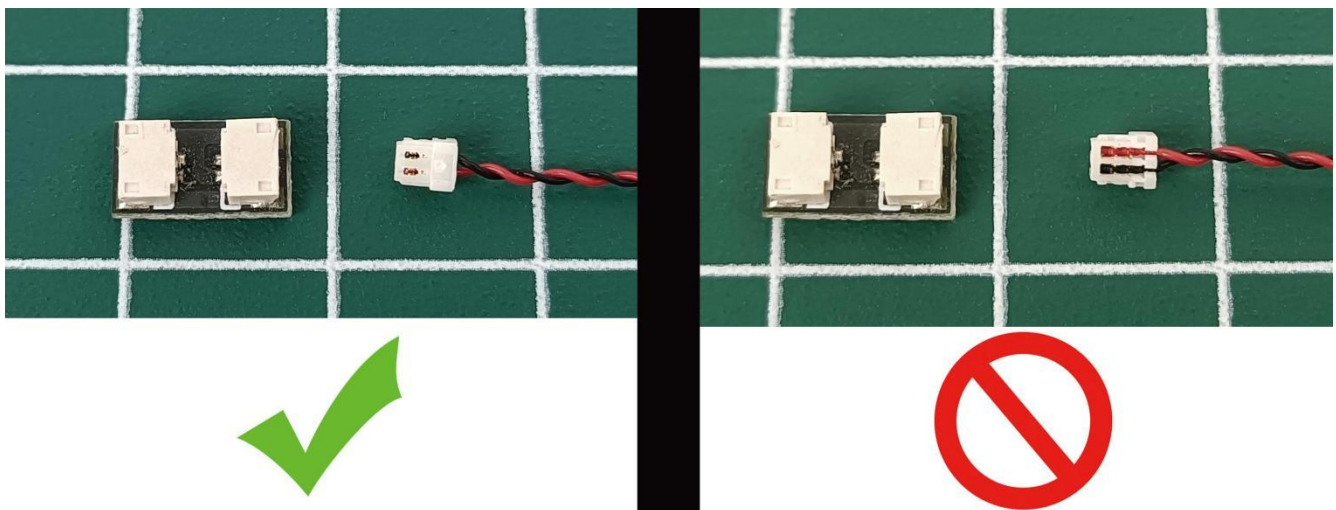


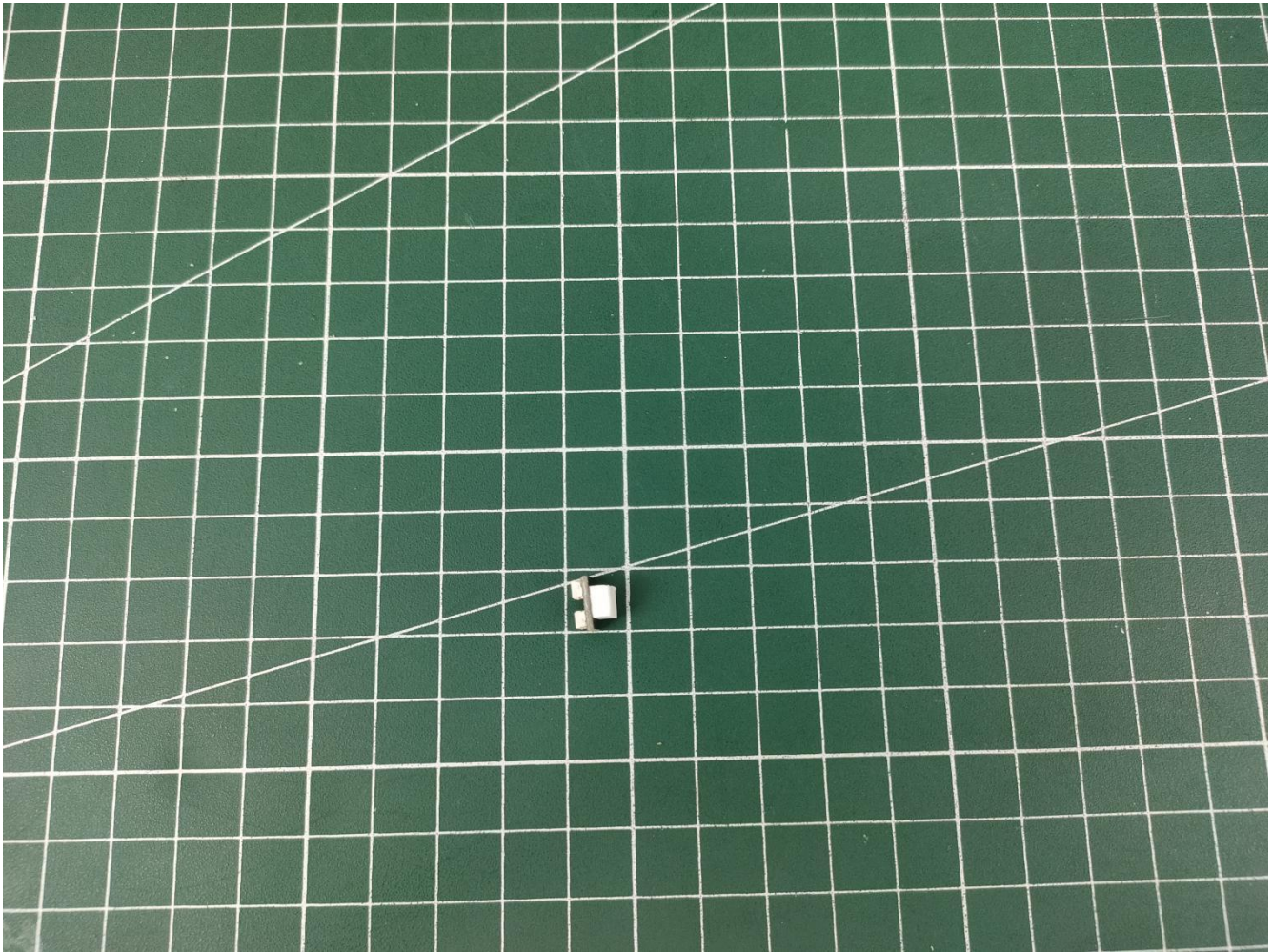




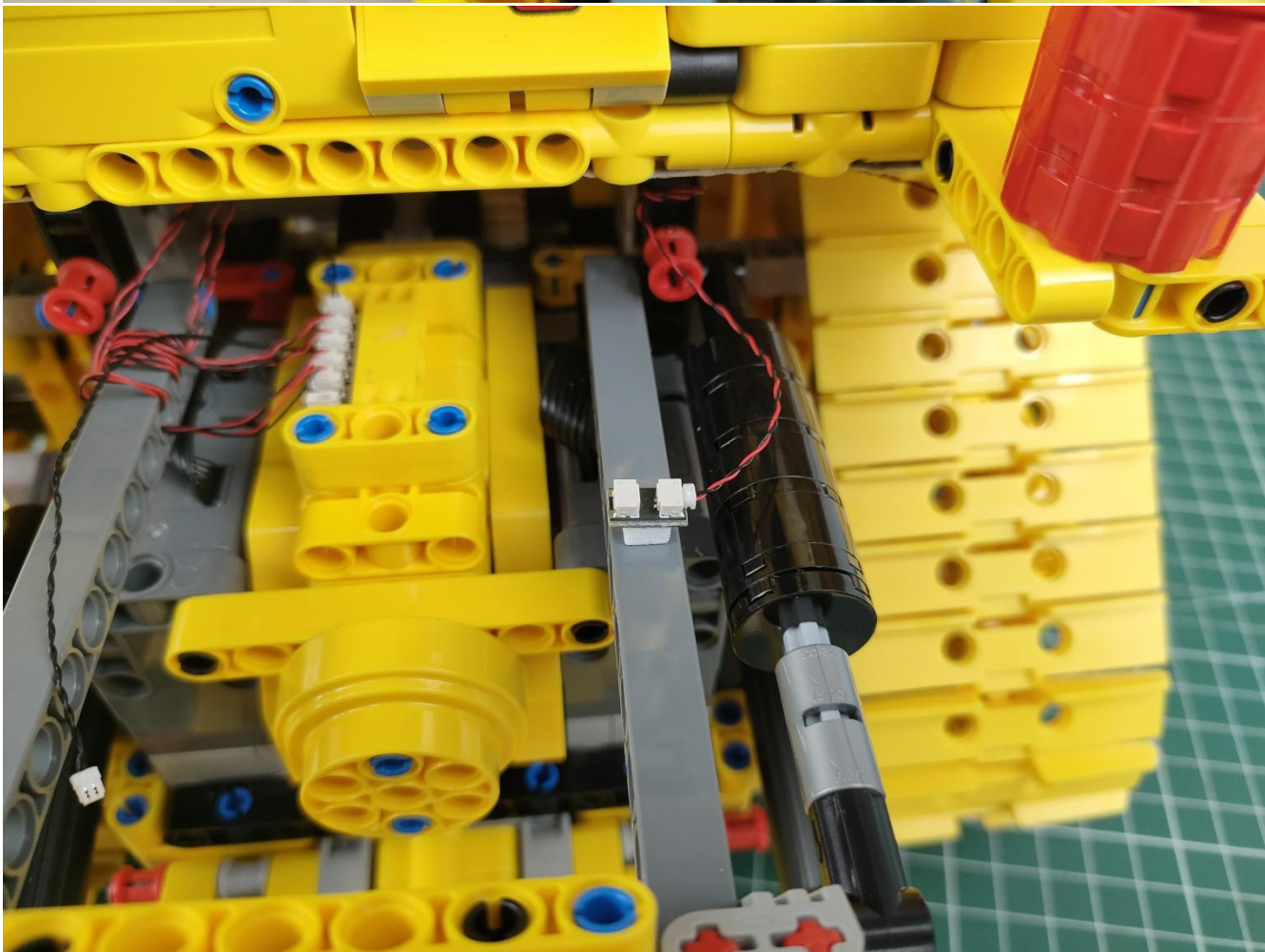
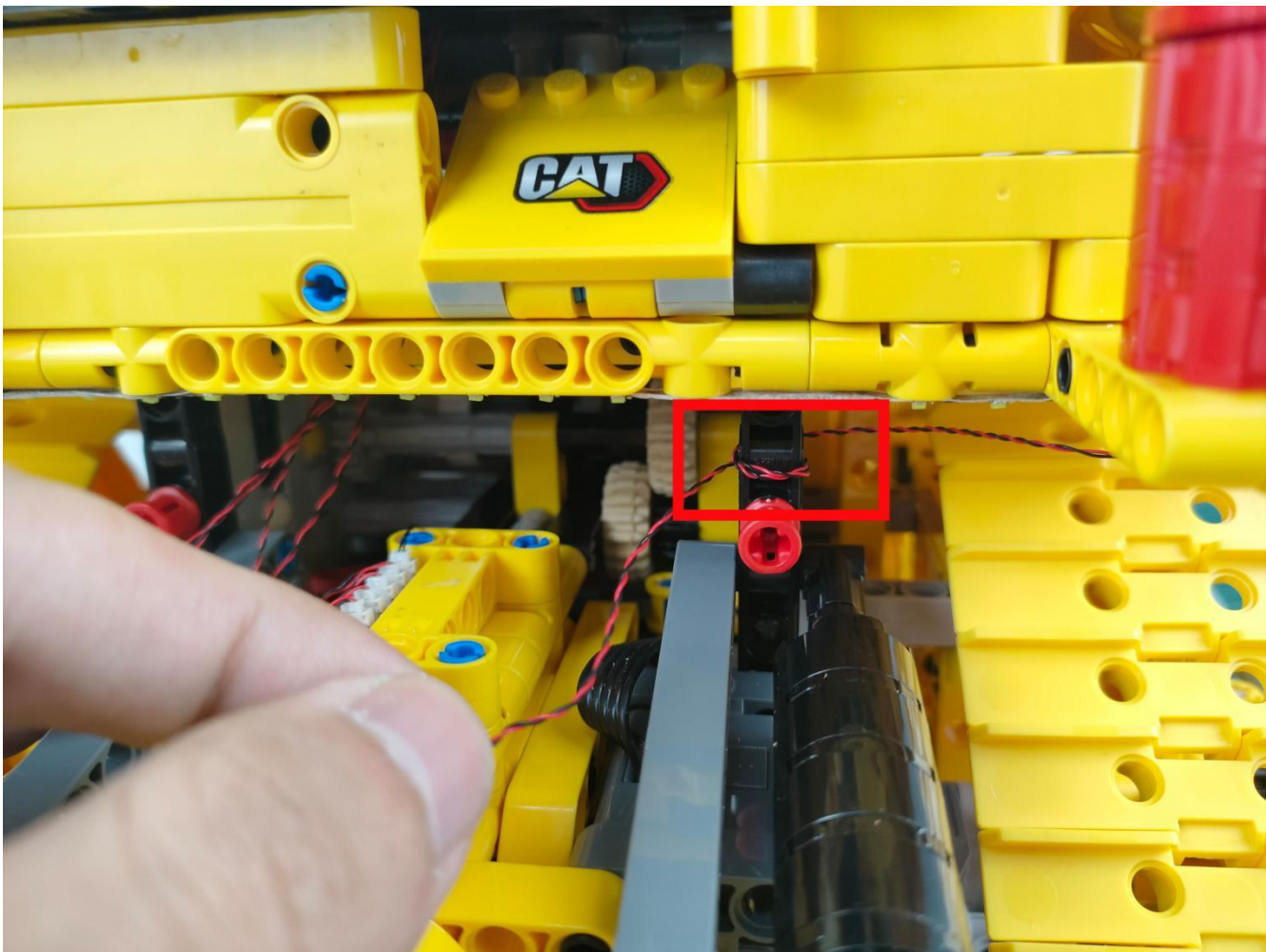


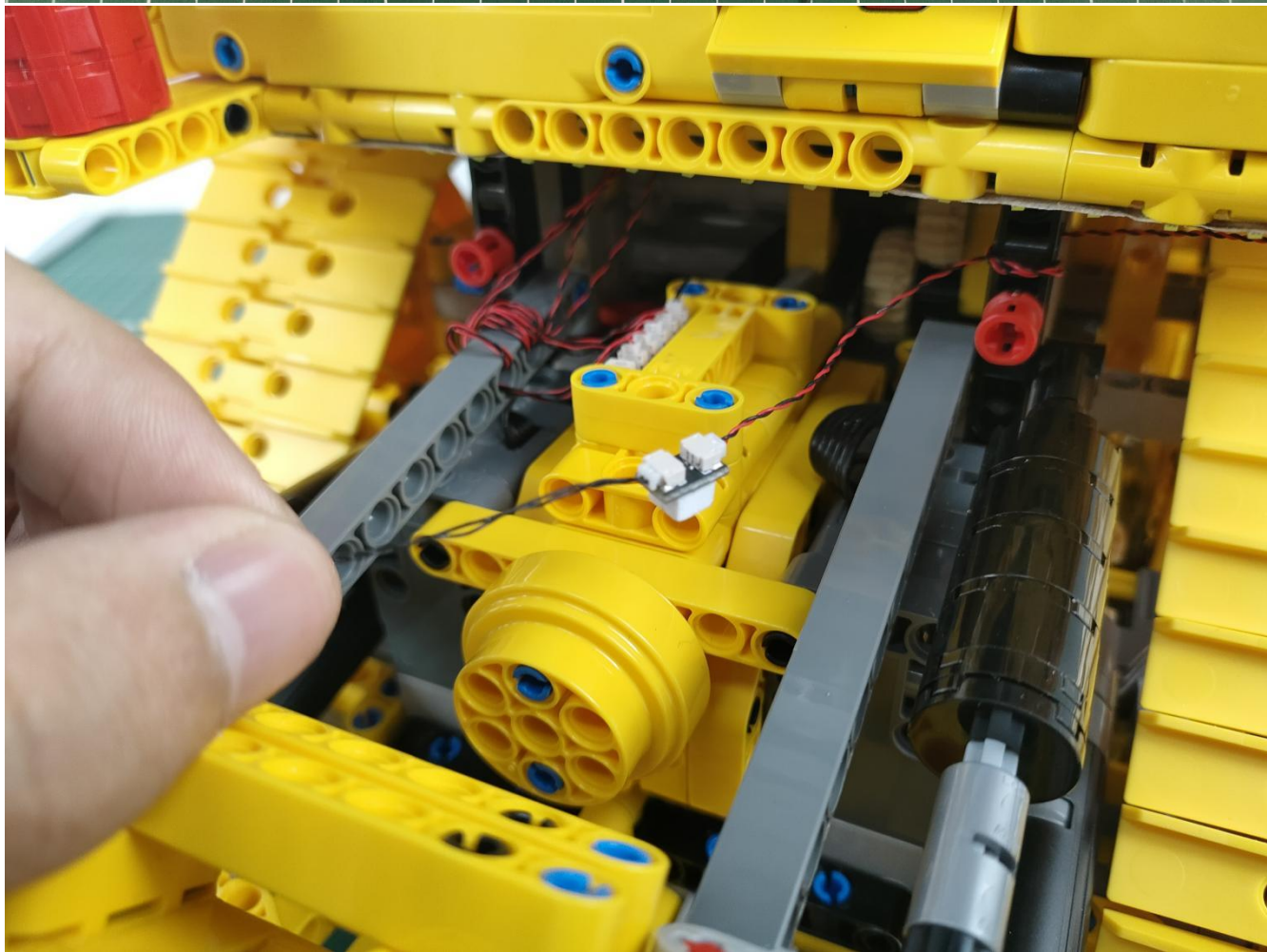
Please pay attention to the use of 2P interface, the interface is small, please use it carefully:



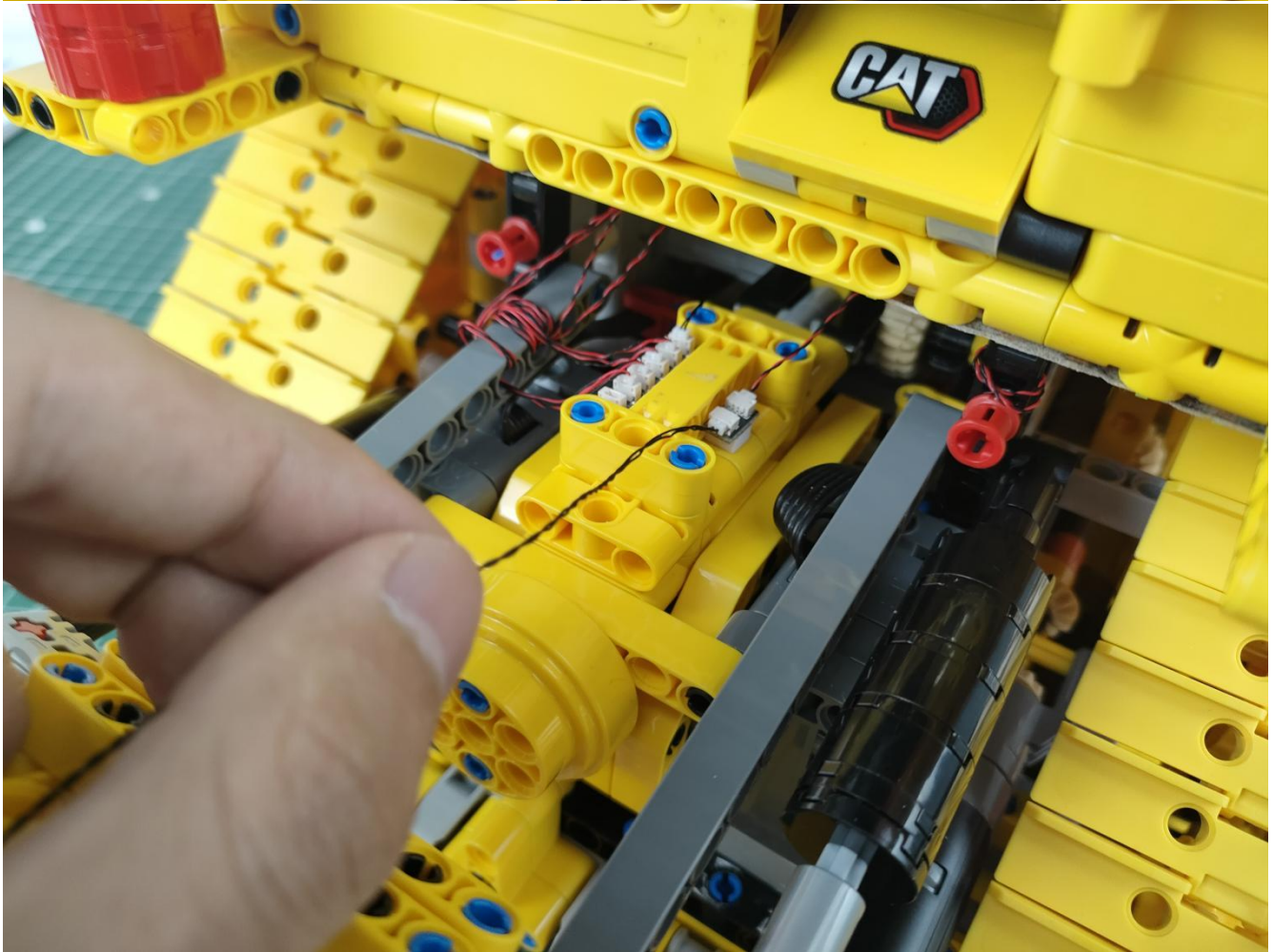
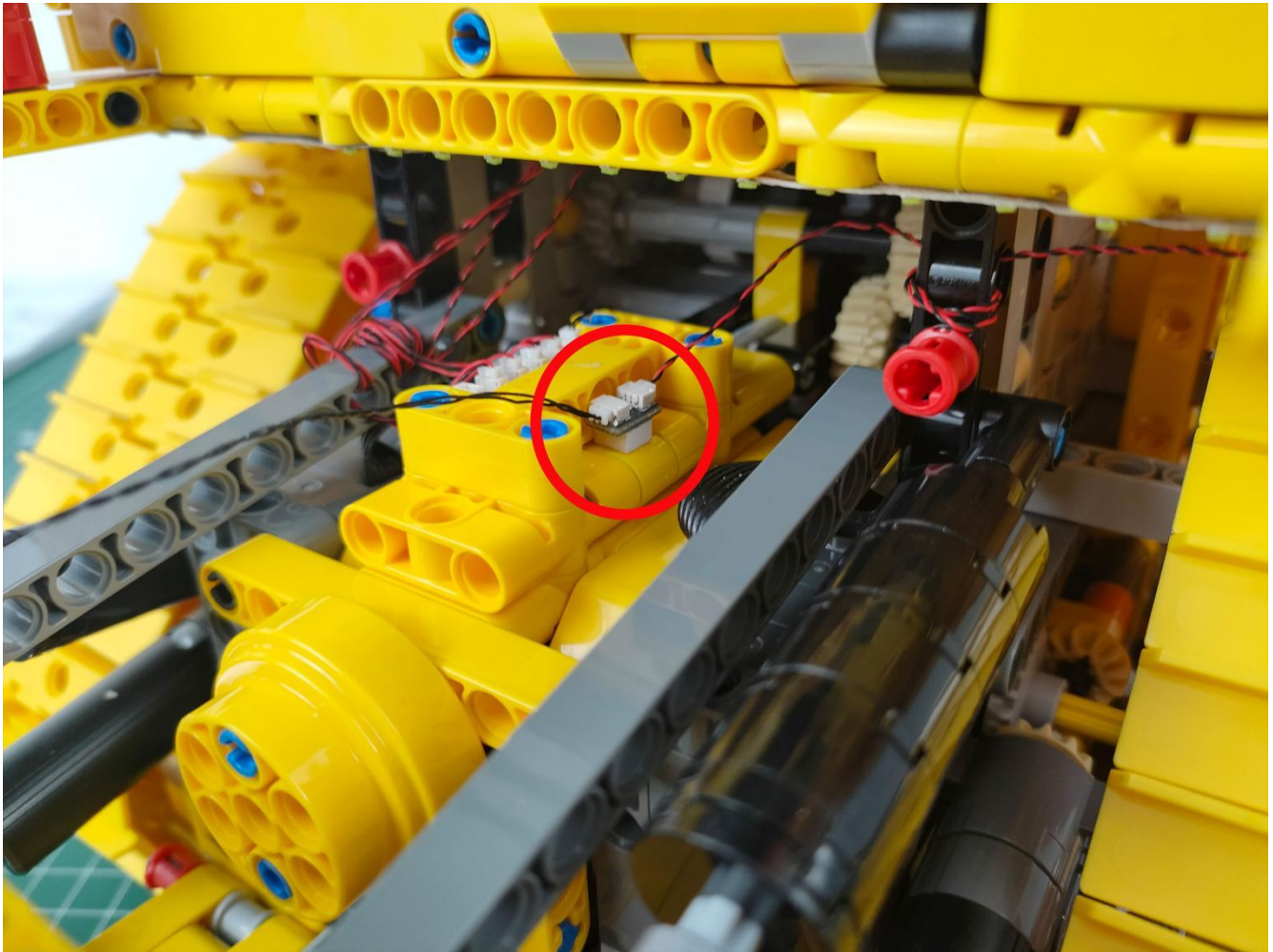


**Wrap the longer lighting wire around the black building block assembly.**

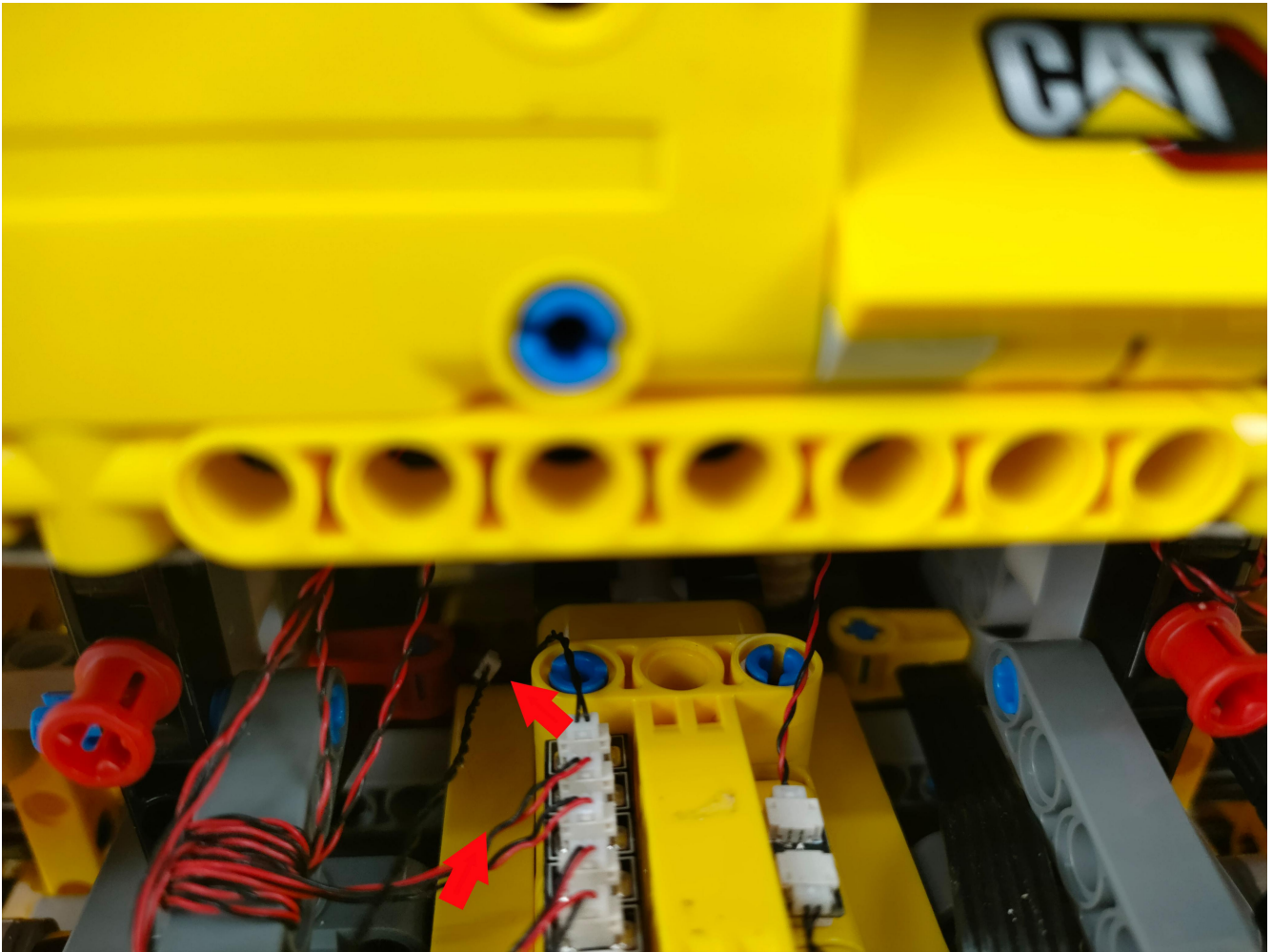


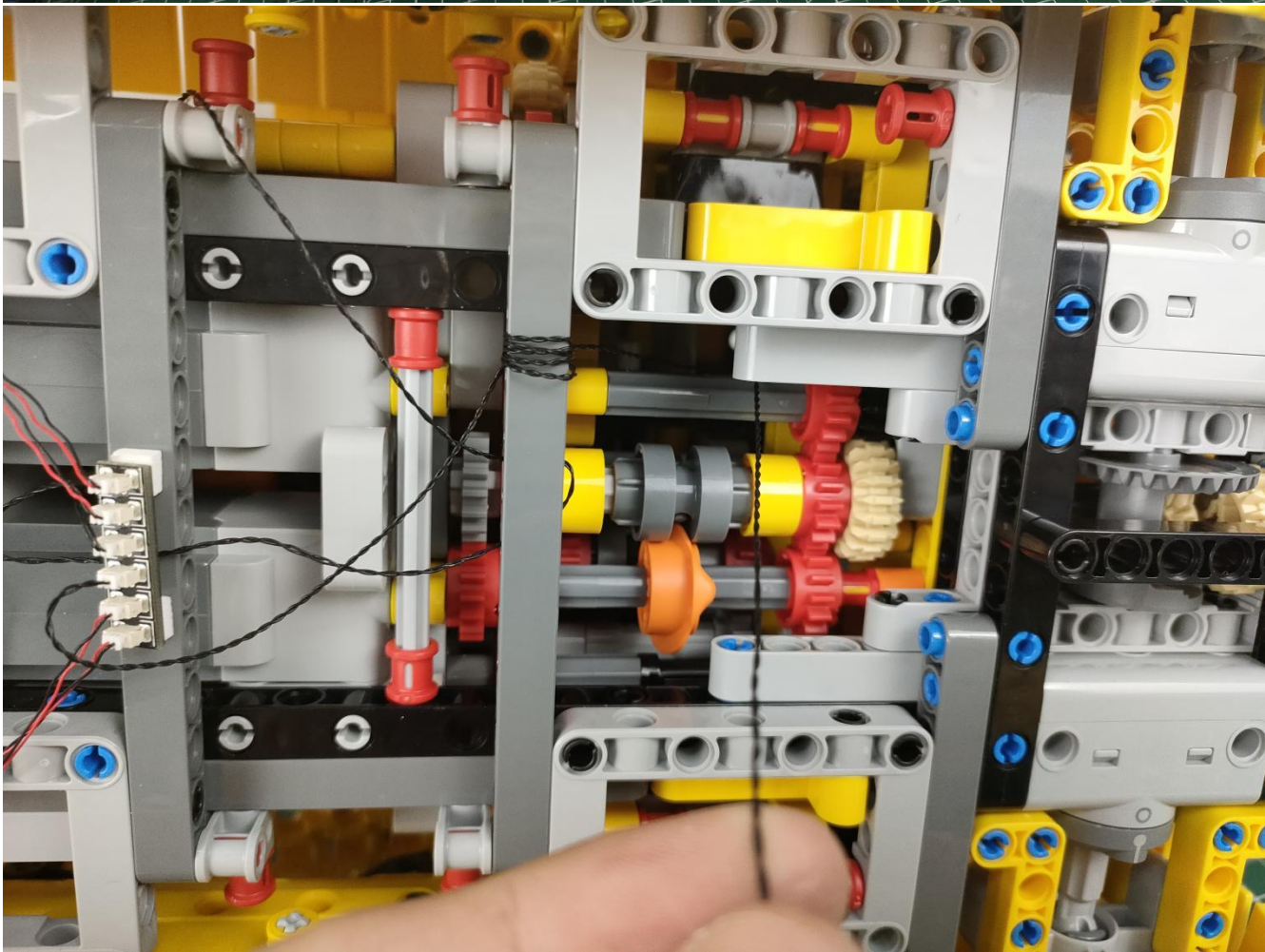
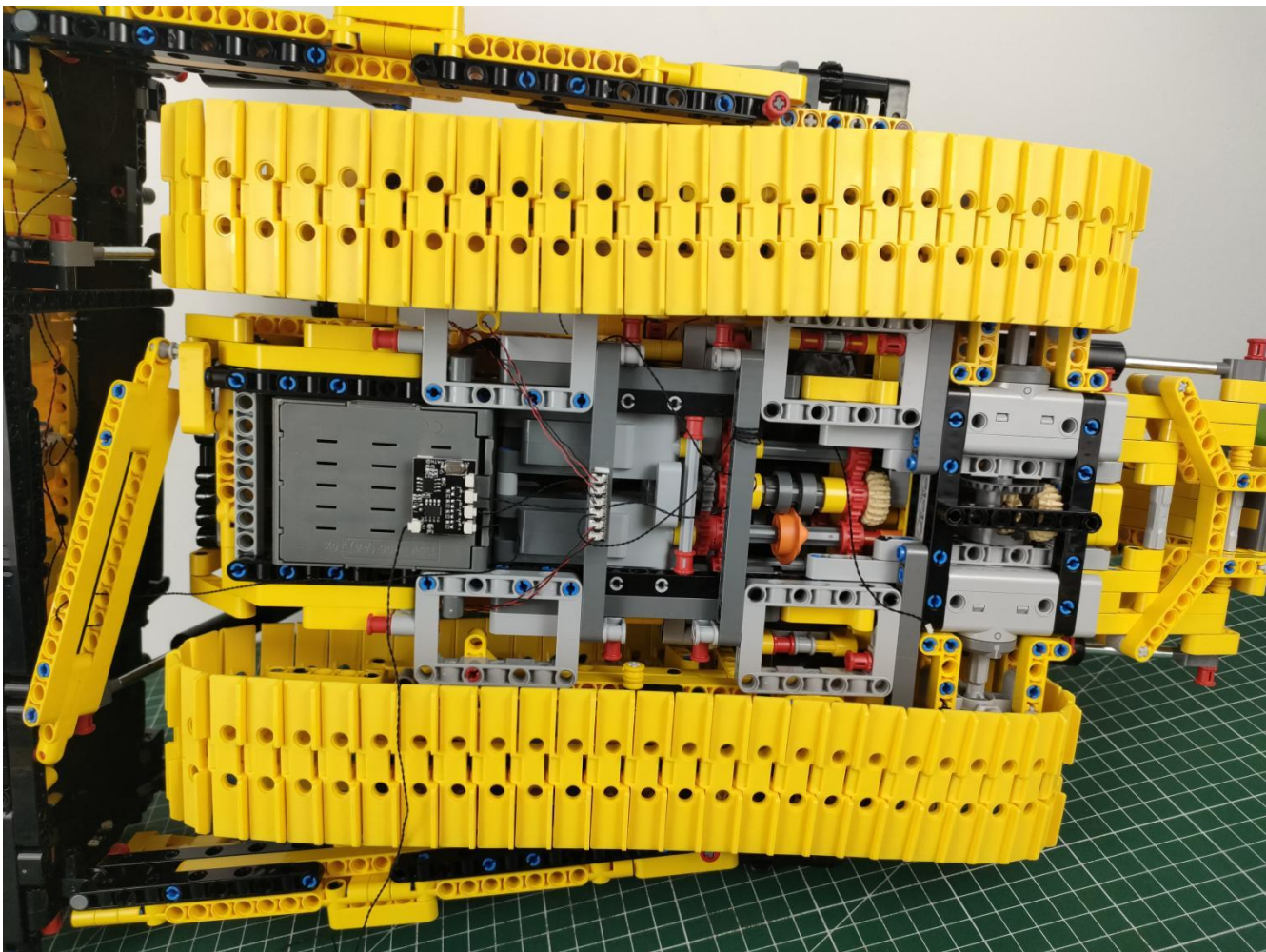




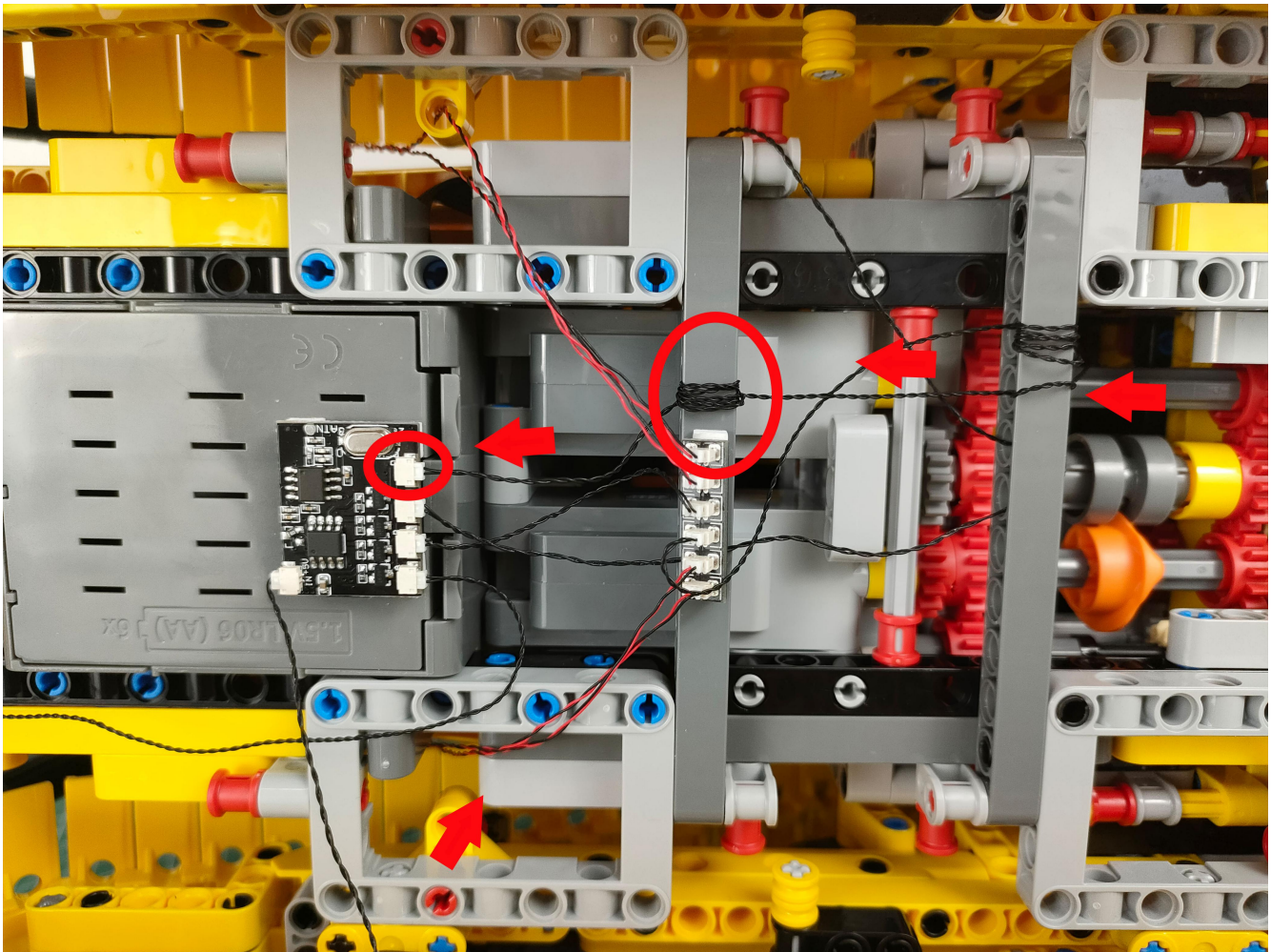


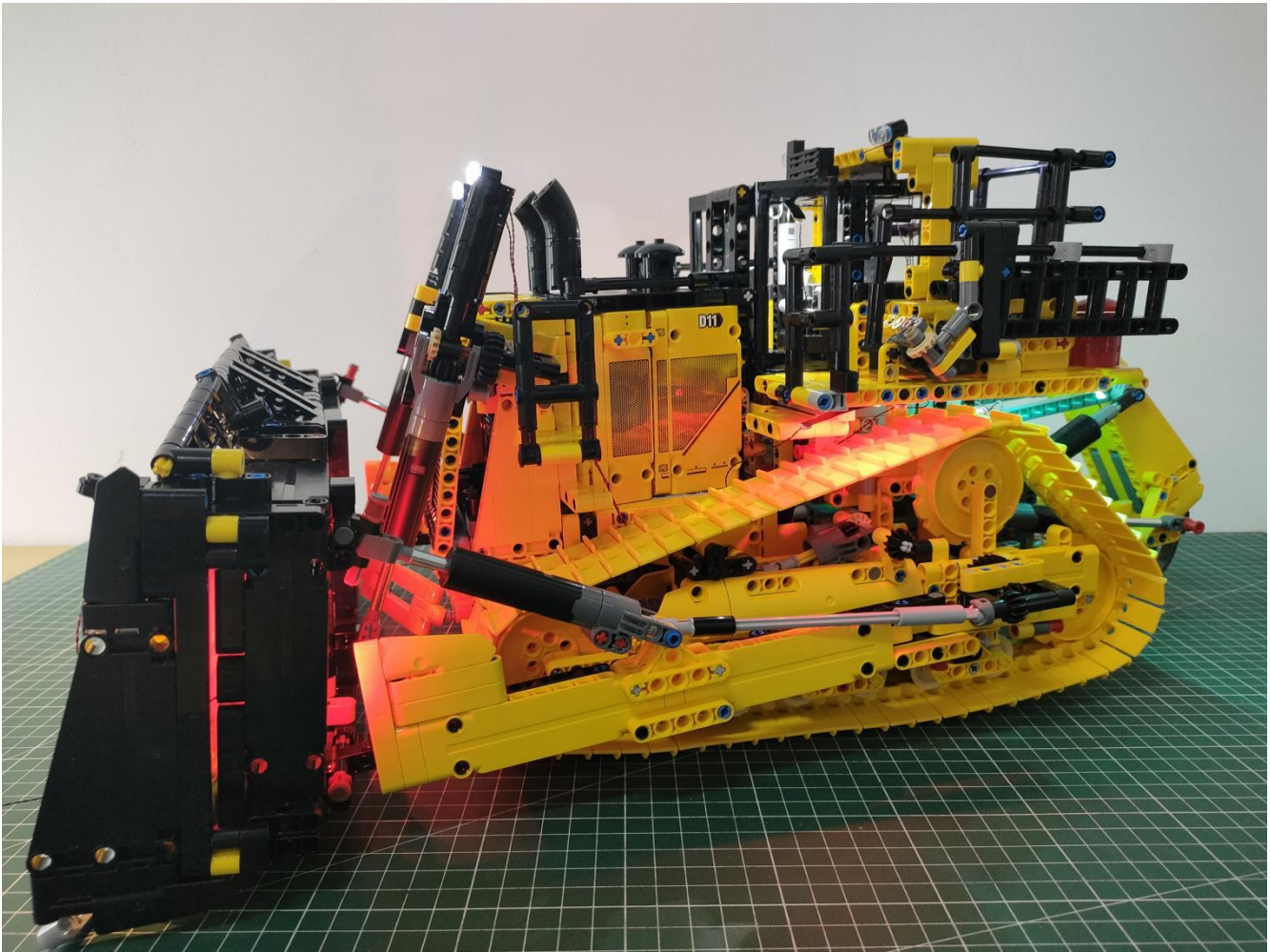
Pass the connecting wire through the gap in the yellow block assembly, then pull the connecting wire towards the bottom.





Put the connecting wire through the small hole of the gray building block first, then pull the connecting wire to the left, continue to wrap the longer connecting wire around the gray building block, and finally connect the connecting wire to the remote control module.





## 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

Complete install and plug in the power to try it.



Above creative ideas and instructions are provide by our designers.

But we treasure your suggestions or opinions on below.

1. Parts materials, product quality,others about our company?
2. Installation instructions of this product and the difficulty during install?
3. If you encounter any problems during using our product, please contact us in time.