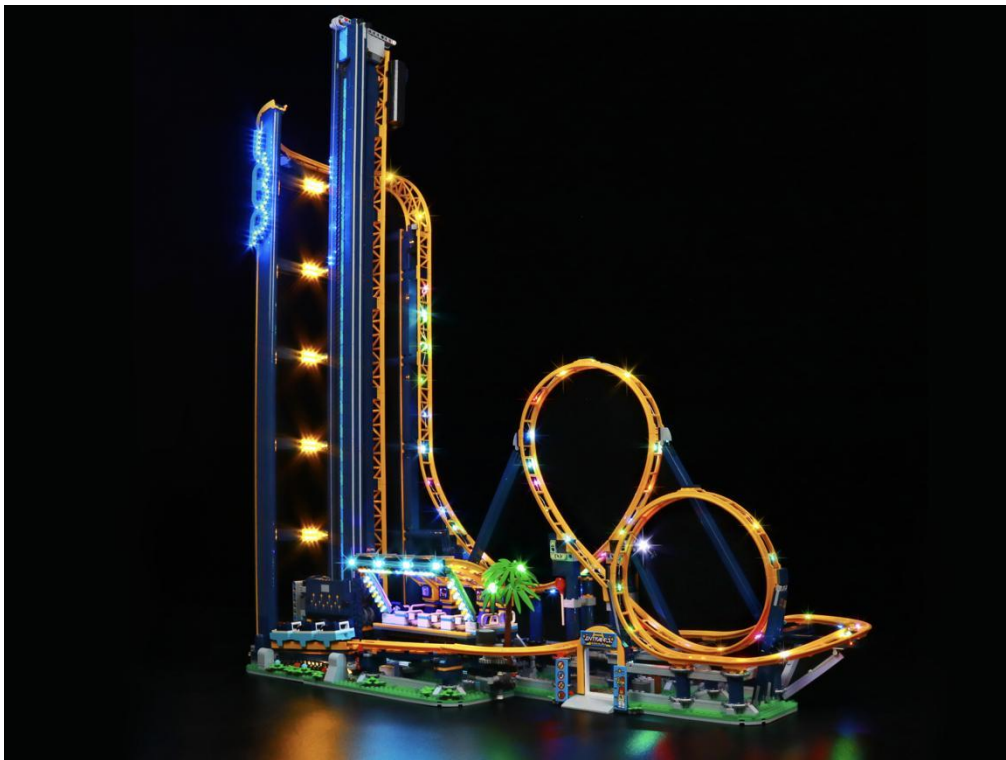


# 10303 Loop Coaster GC305

- Installation requires a lot of patience and great observation that your LEGO bricks will come alive when you get this finished. The bricks with lighting as below, so make sure you're ready and let's get started.



# Strategies for the Installation

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

## **Section A:** Check the type and quantity of components.

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

## **Section B:** Test that each components is working properly.

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

## **Section C:** laying out components following the instruction.

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

**Section A: Check the type and quantity of components.**

This set contains nine bags labelled "1" "2" "3" "4" "5" "6" "7" "8" "9", please make sure that the components in each bag are the same as shown in the pictures.





**Please contact us immediately if there have any missing components.**

## Section B: Test that each components is working properly.

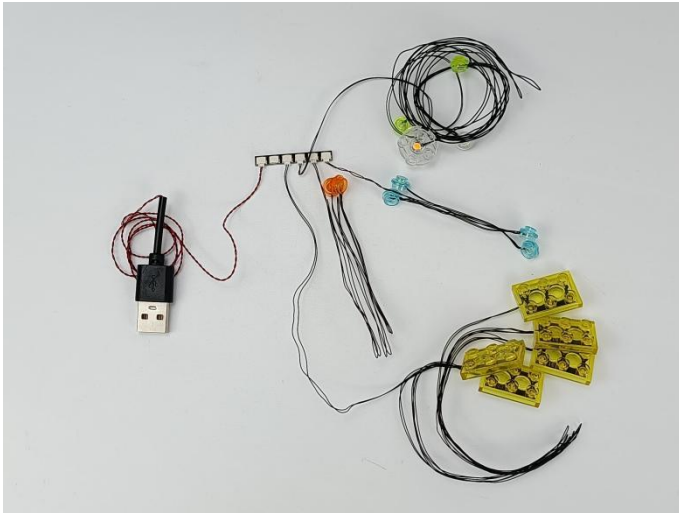
Take out the Expansion Board and the USB Power Cable from No. 7 bag and No.9 bag.



Connect the Expansion Board and USB Power Cable as shown.

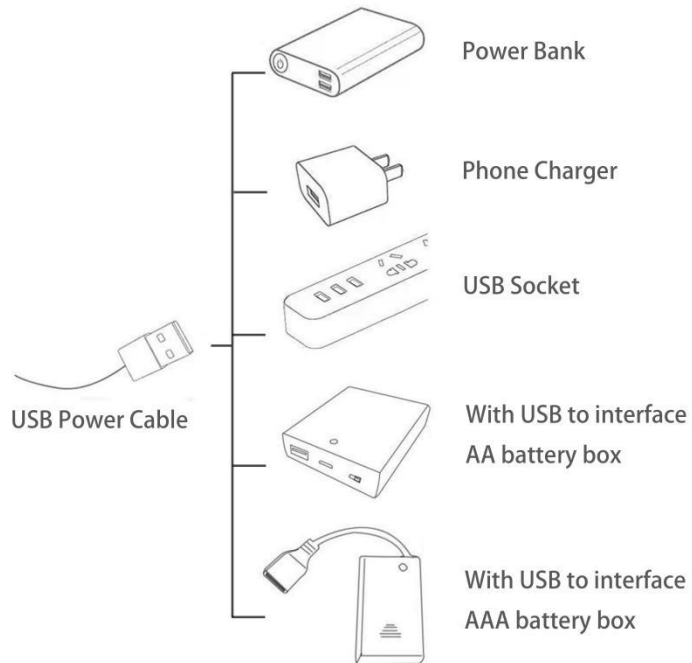


**Connect all the components in No.1 bag,No.2 bag,No.3 bag,No.4 bag to the Expansion Board in same way just as shown.**



**The USB Power Cord can be powered by phone chargers, power banks, etc. This instruction will use the power bank as power supply.**

USB connectors to connect devices



**Turn on the power bank, all the lights are on as shown.**



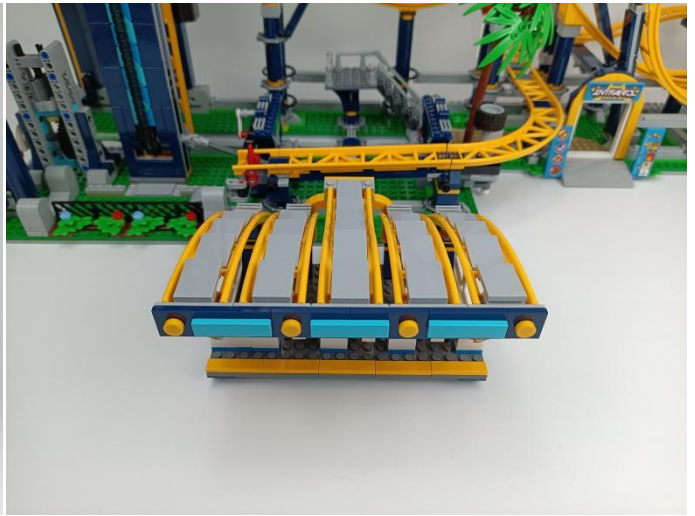
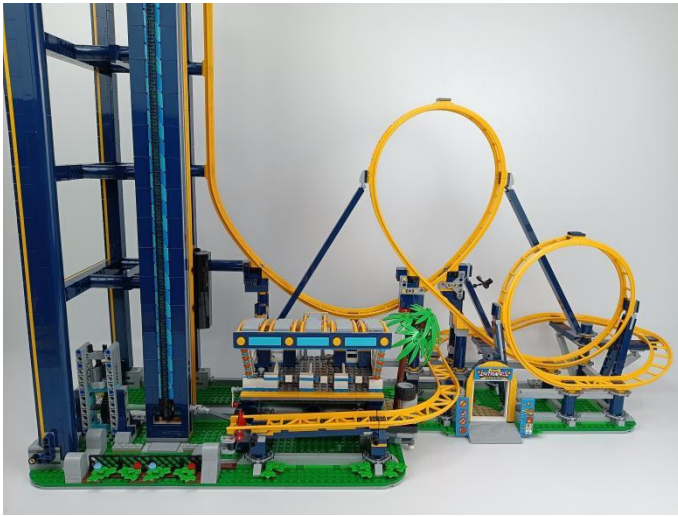
**Unplug these four components and put them back in the corresponding bags. There are five in bag NO.5, seven in bag NO.6, three in bag NO.7 need to be tested.**

**Attention that after the test is completed, each components should put back in the corresponding bag including the socket and the USB power cable.**

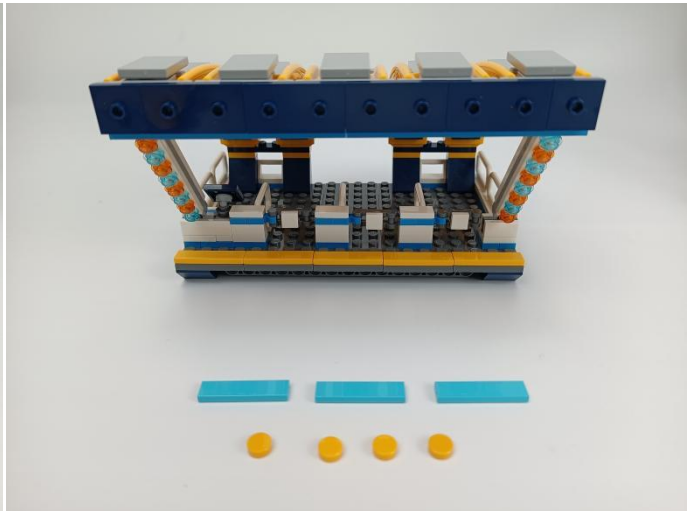
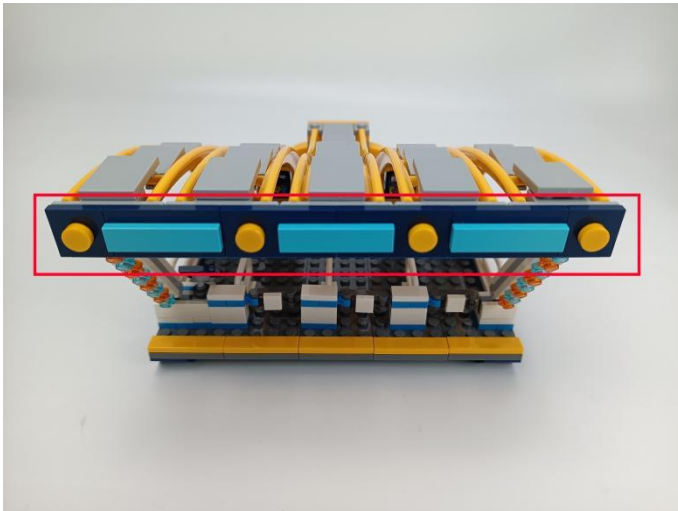
**Please contact us immediately if any components don't work.**

## Section C: laying out components following the instruction.

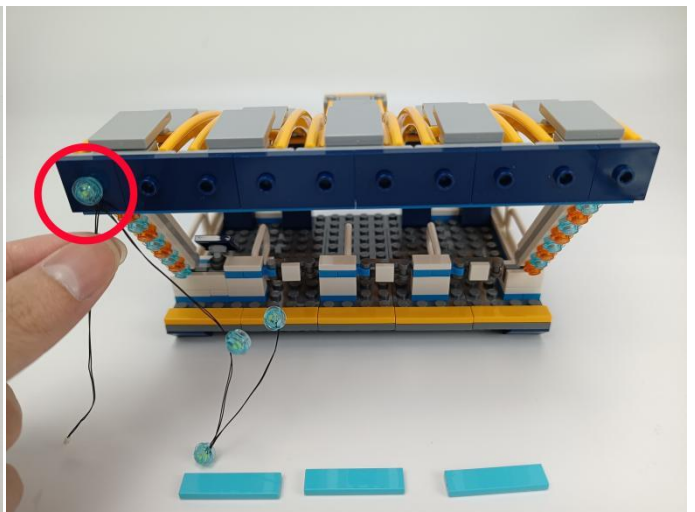
1



2

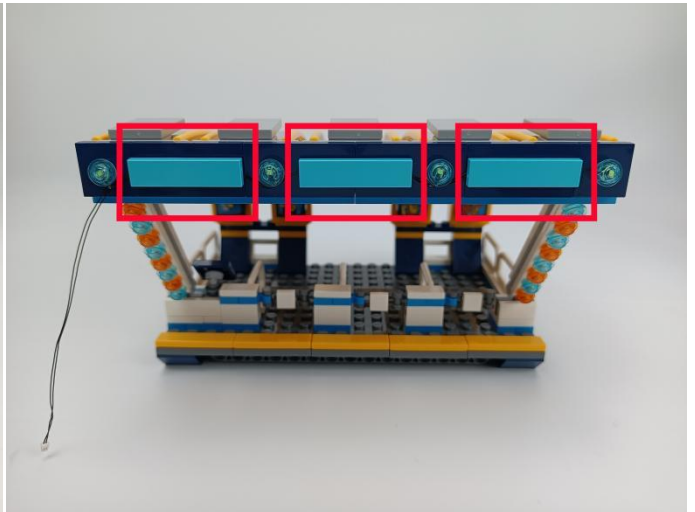
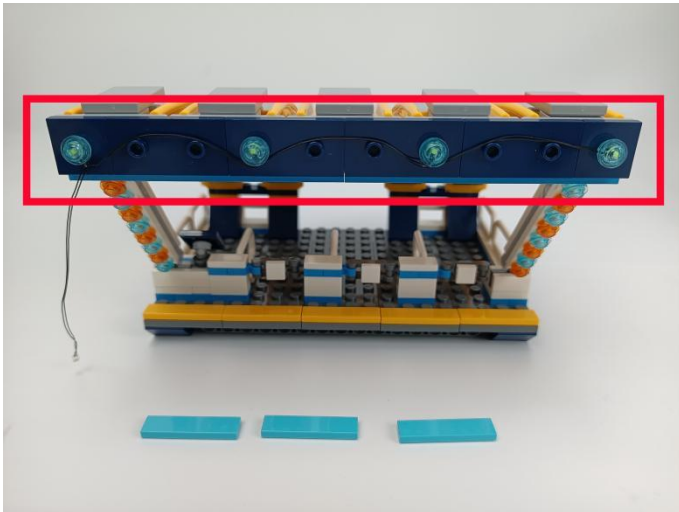


3

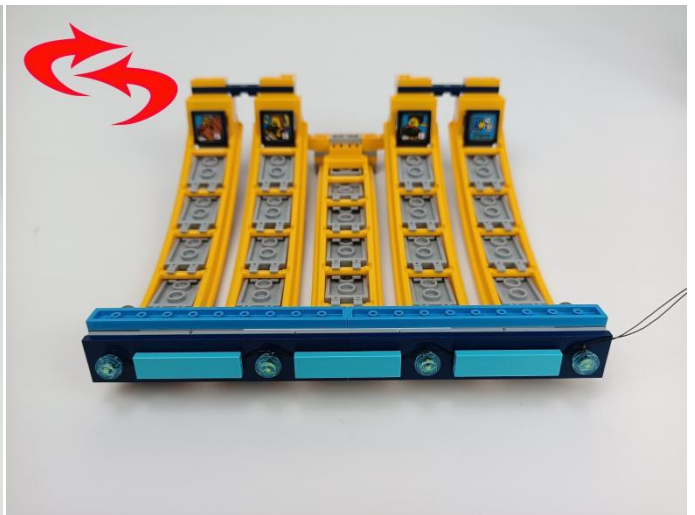
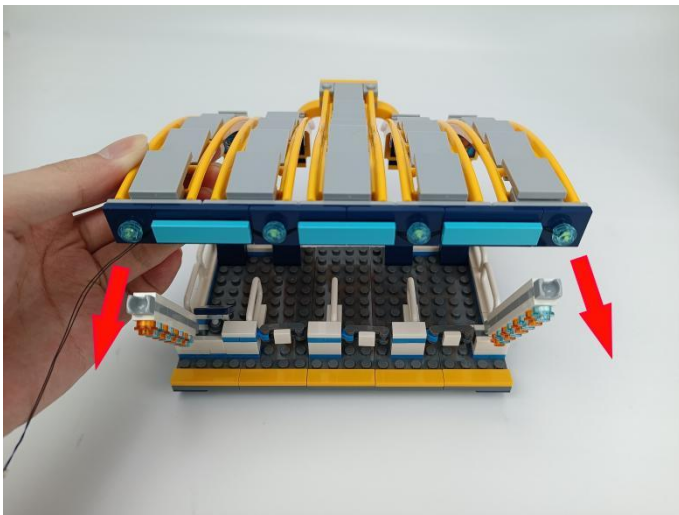




4



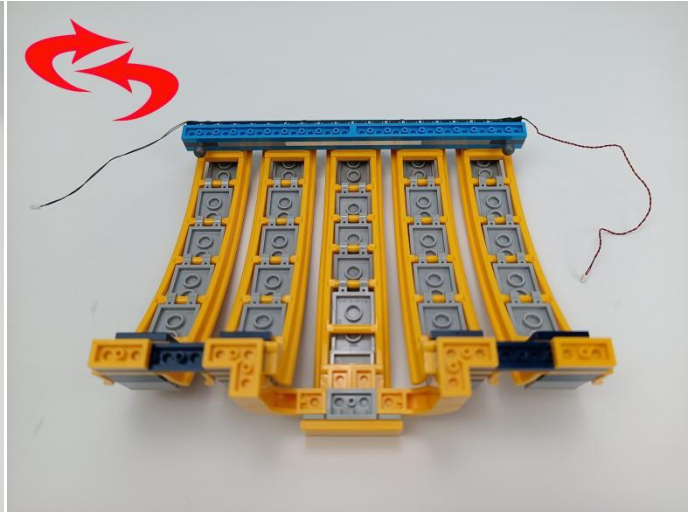
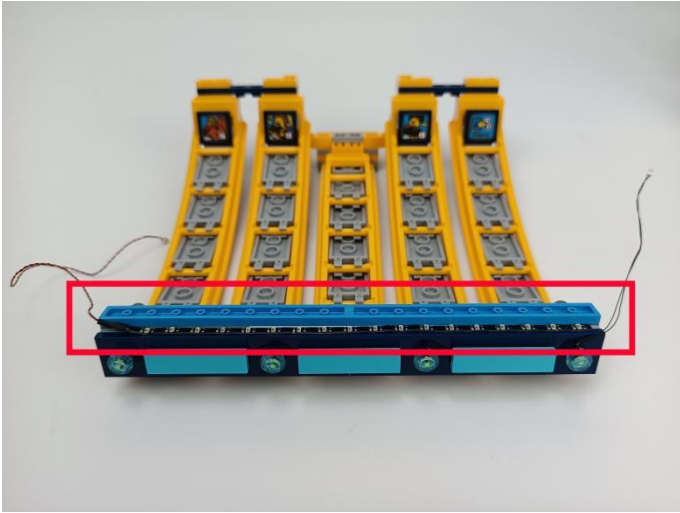
5



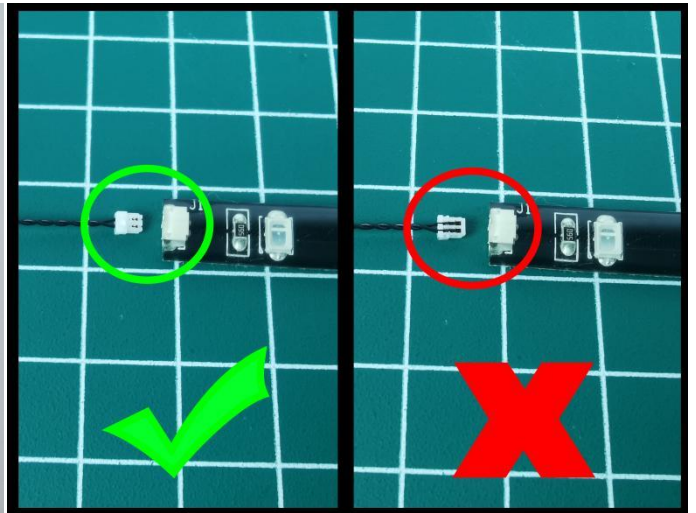
6



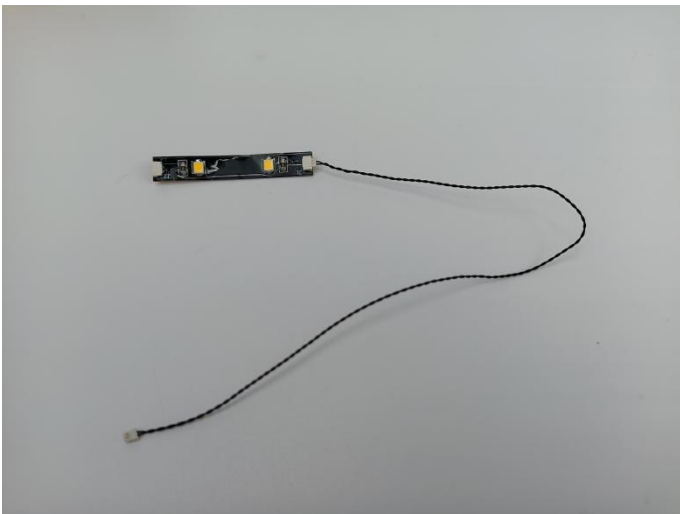
7



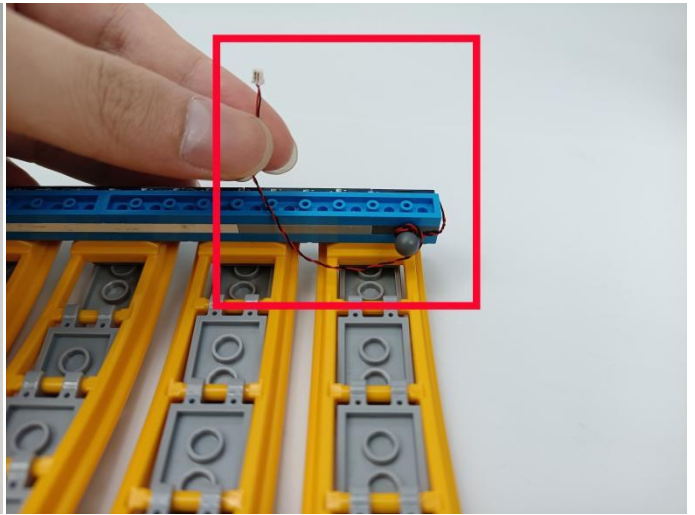
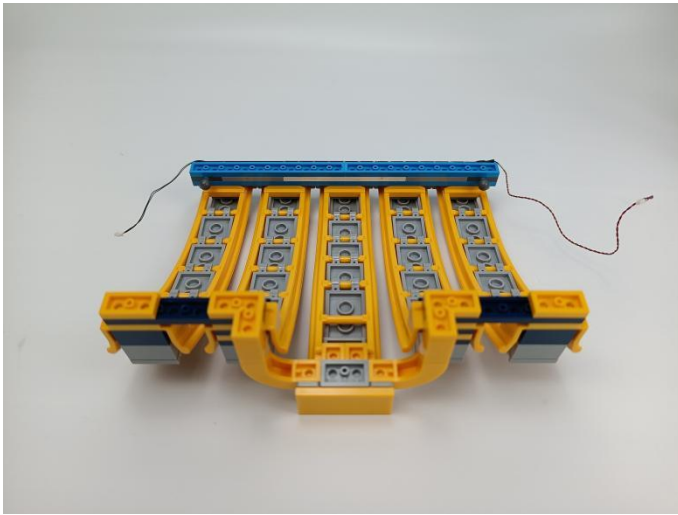
8



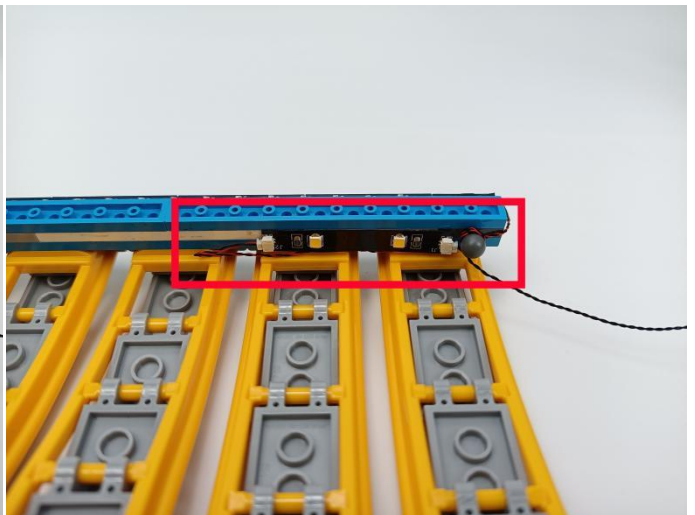
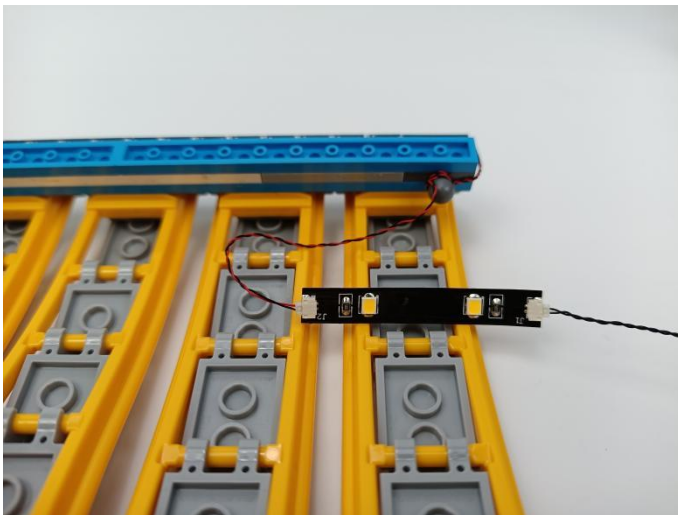
9



10



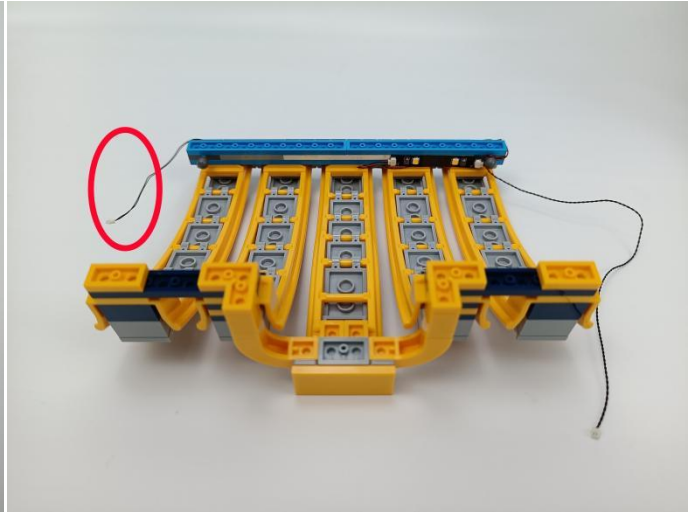
11



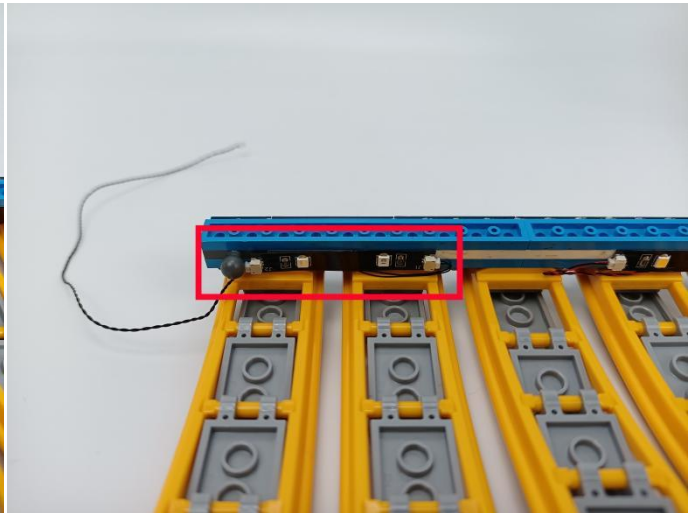
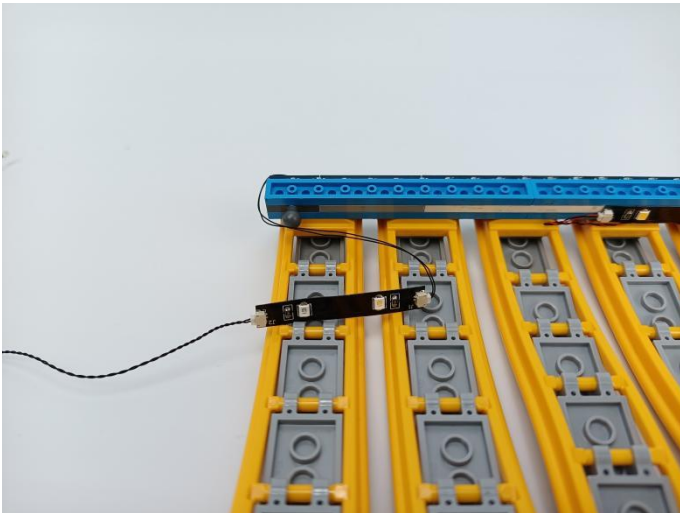
12



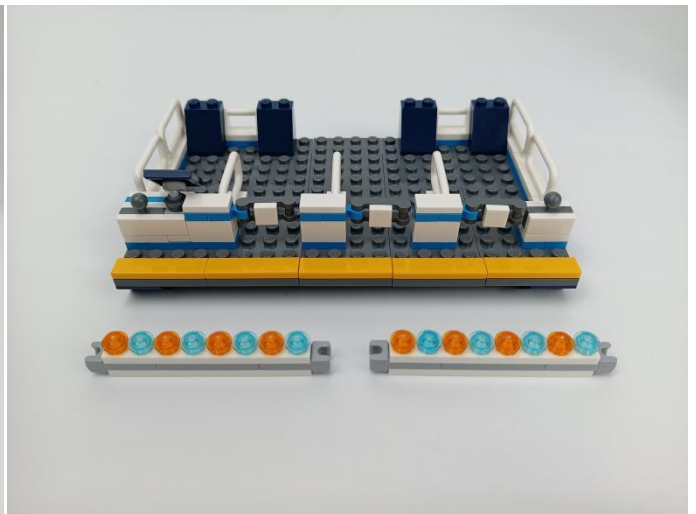
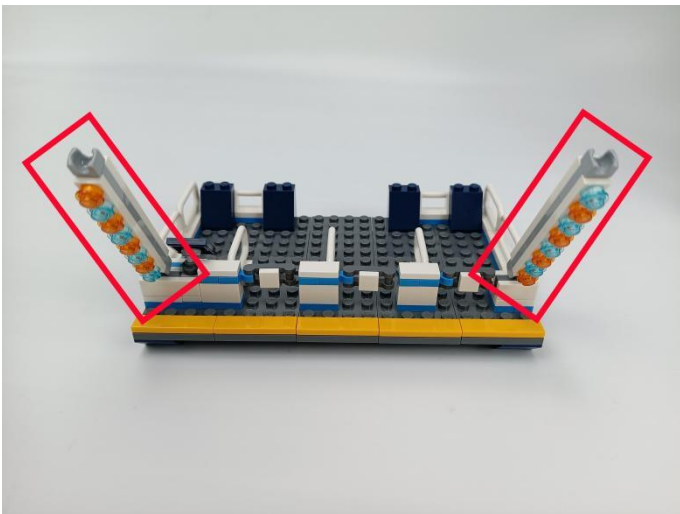
13



14



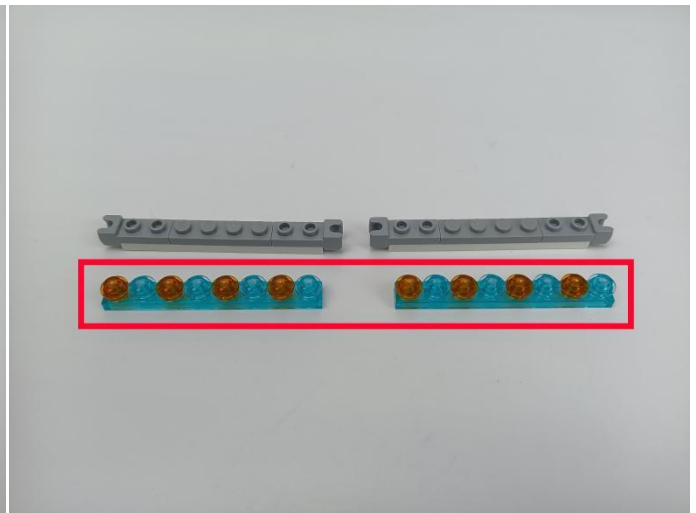
15



16



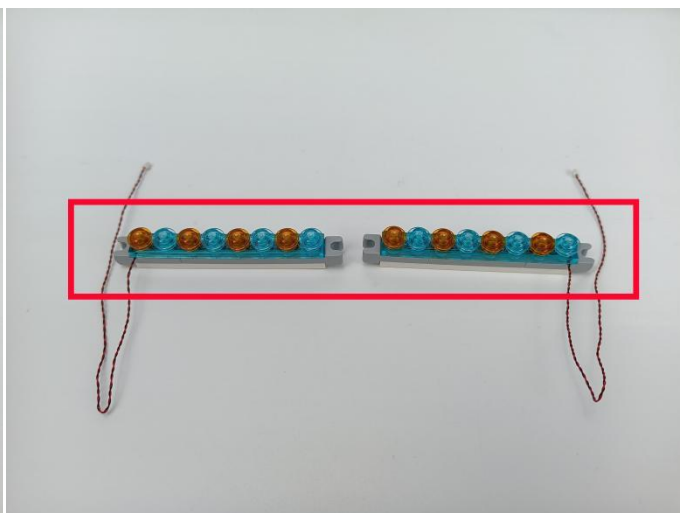
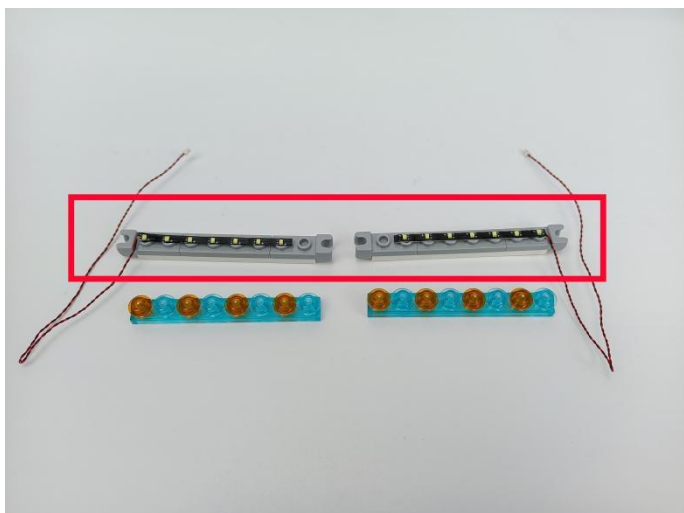
17



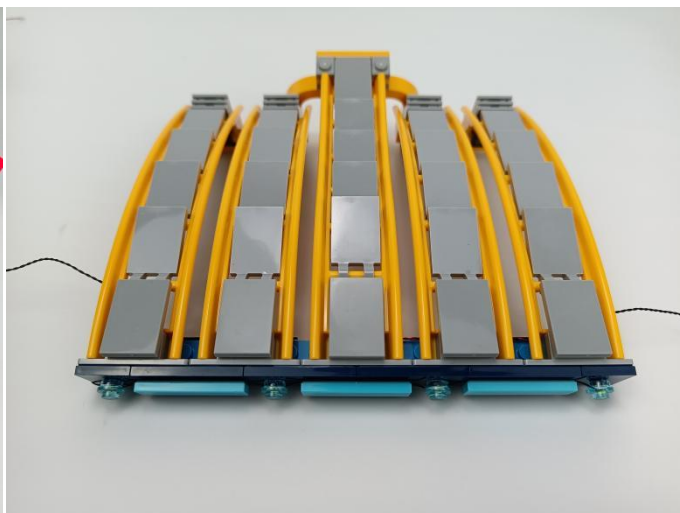
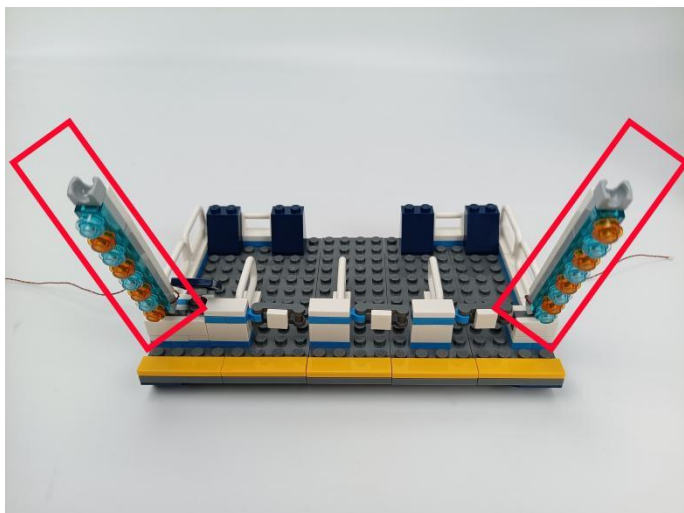
18



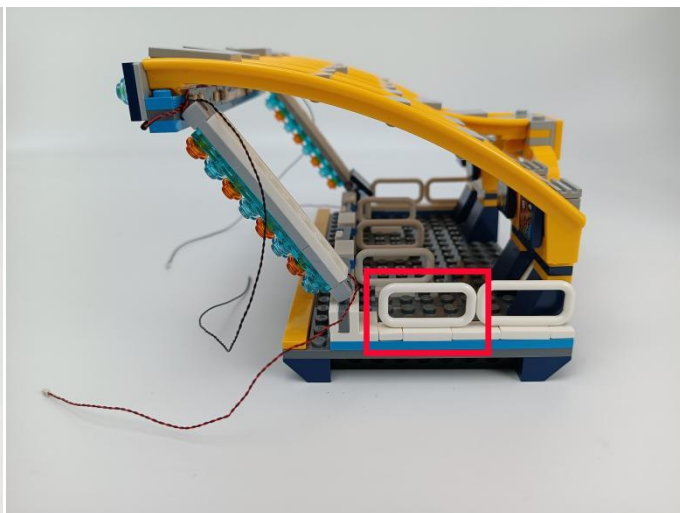
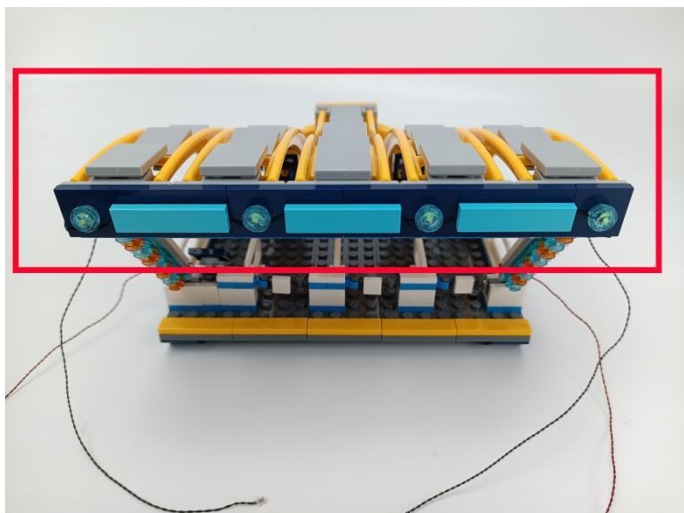
19



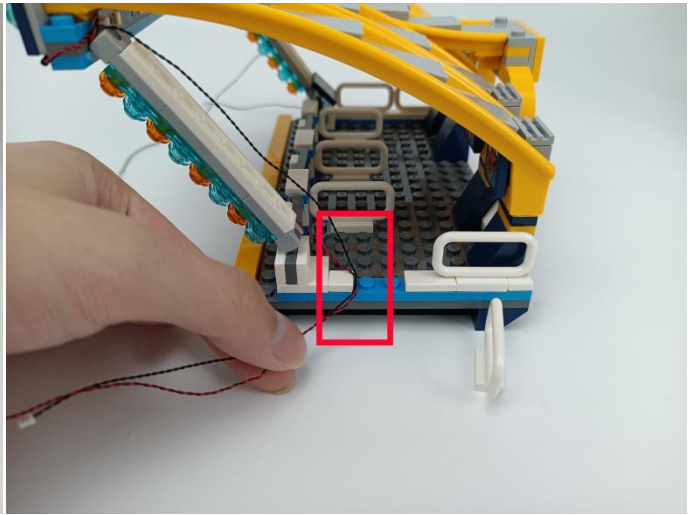
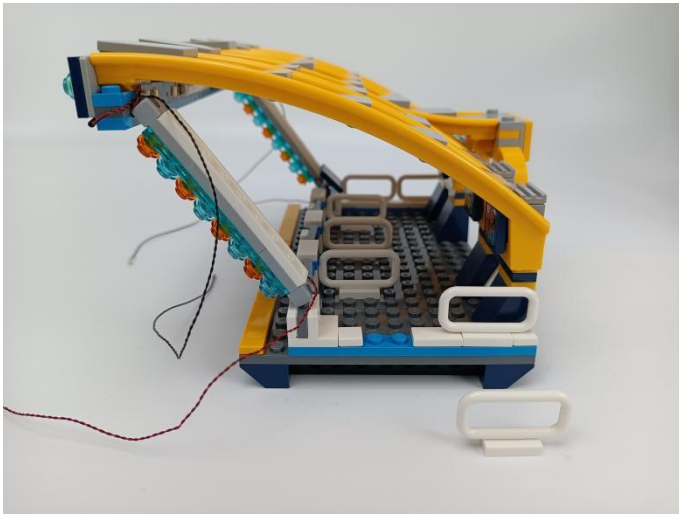
20



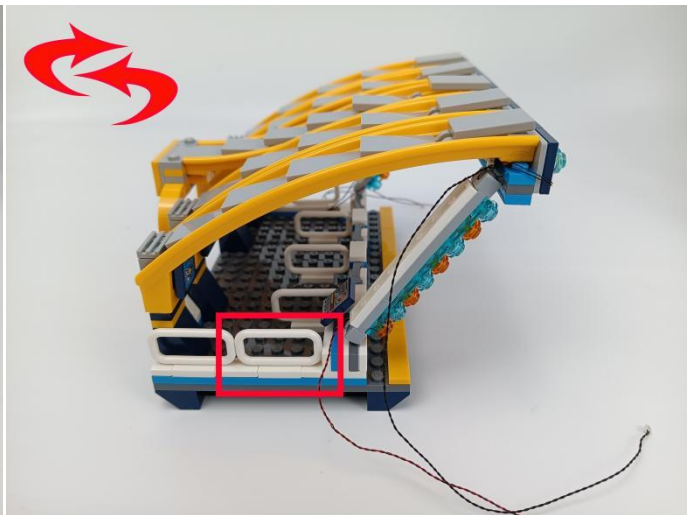
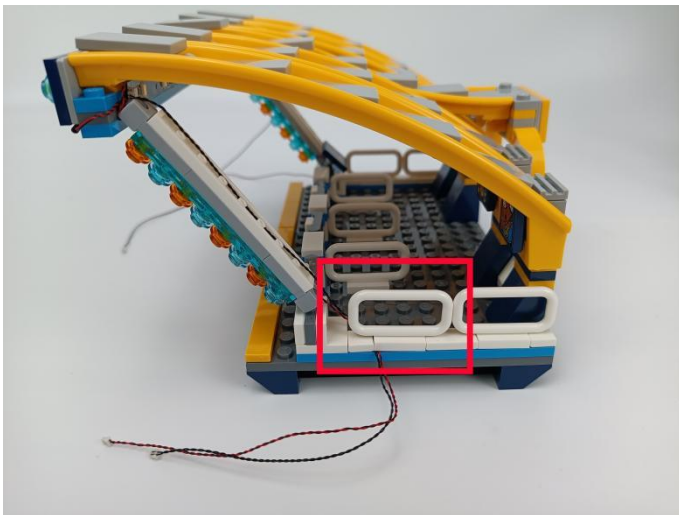
21



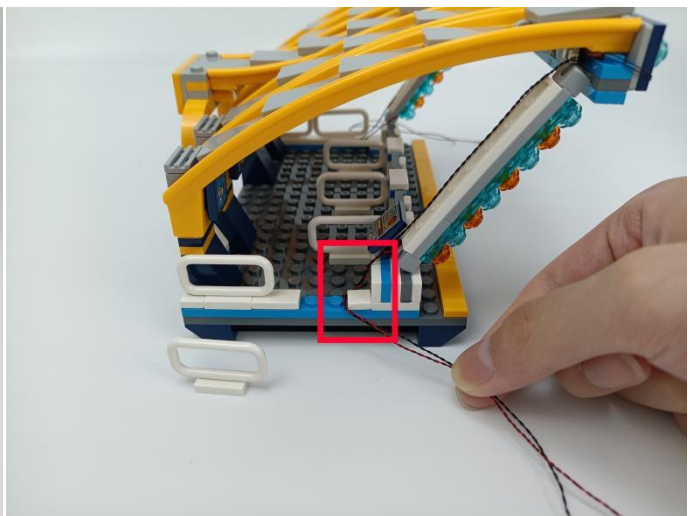
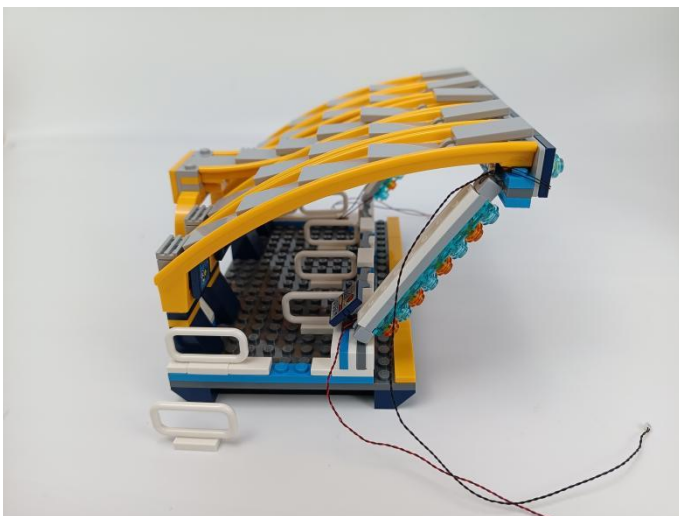
22



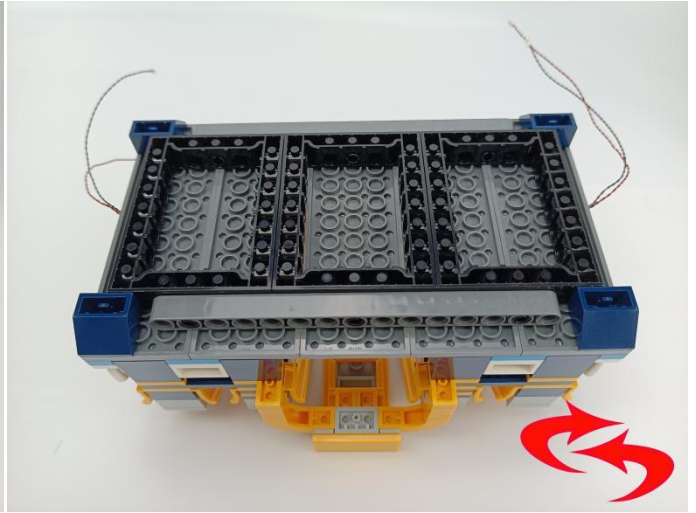
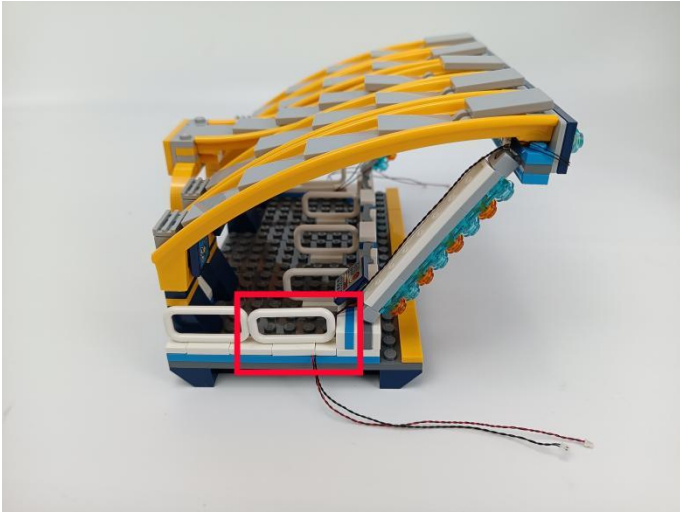
23



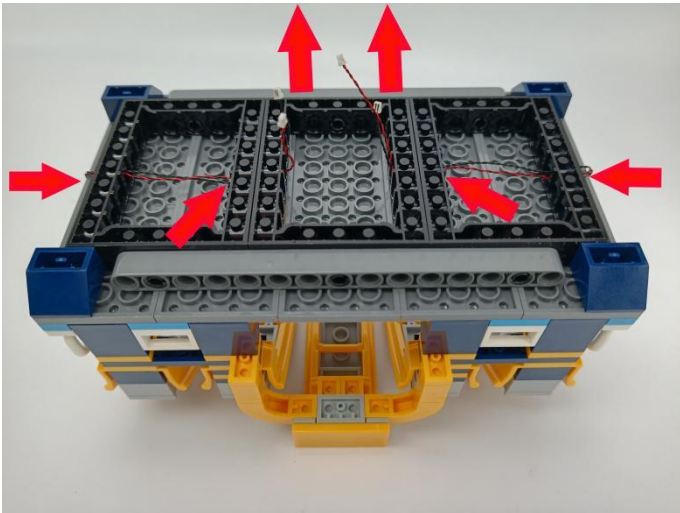
24



25



Pass the lighting lines on both sides through the gap between the building blocks.



26





27



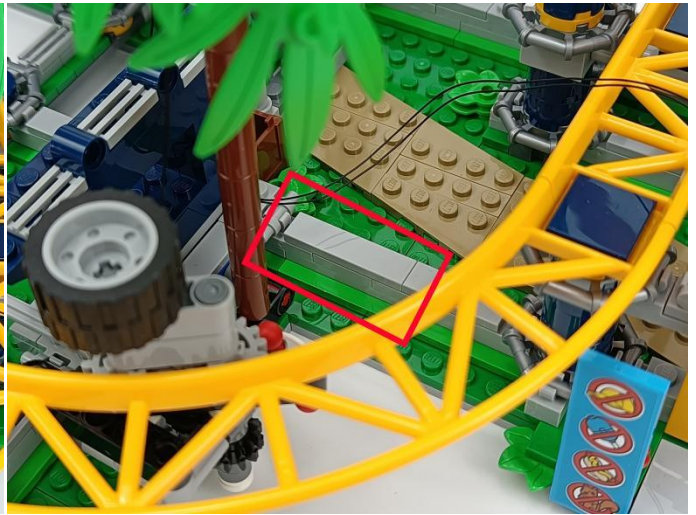
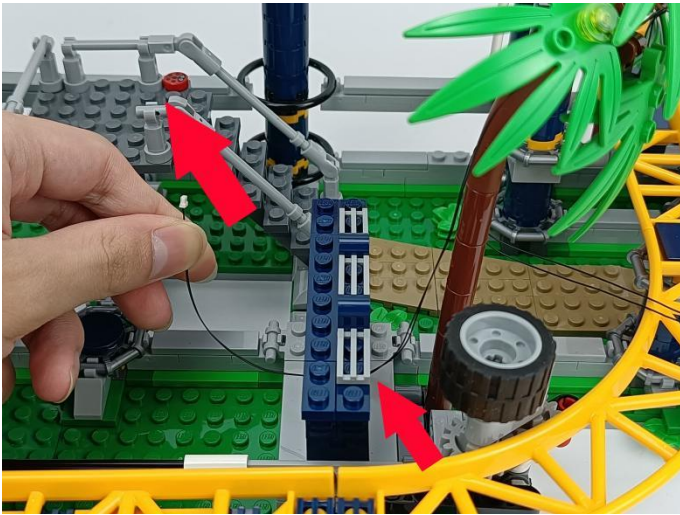
28



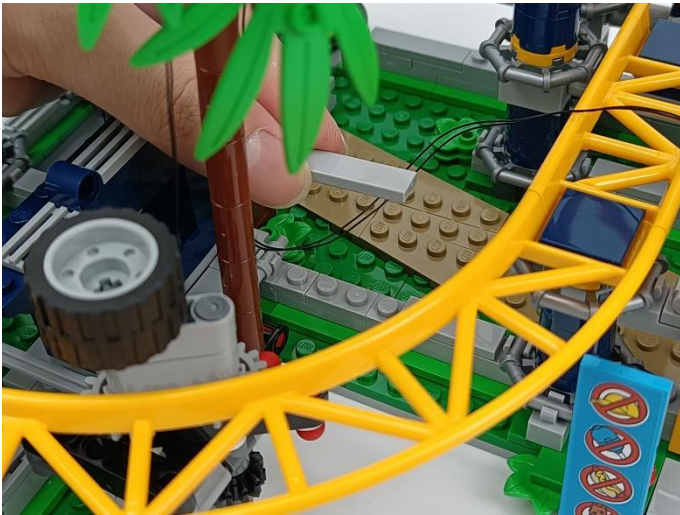
29



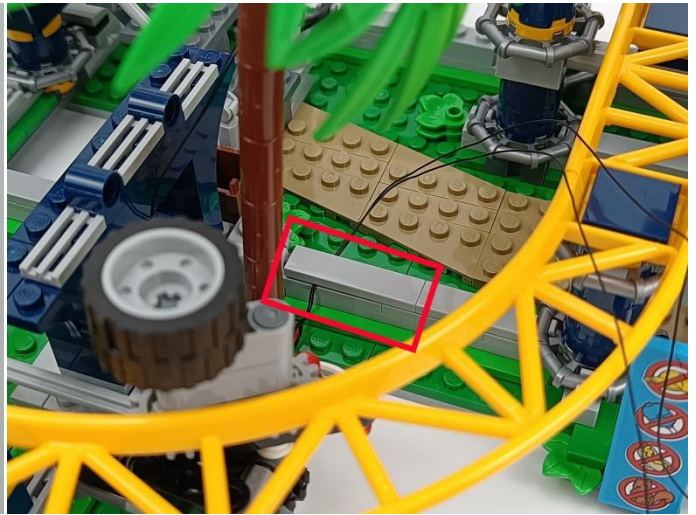
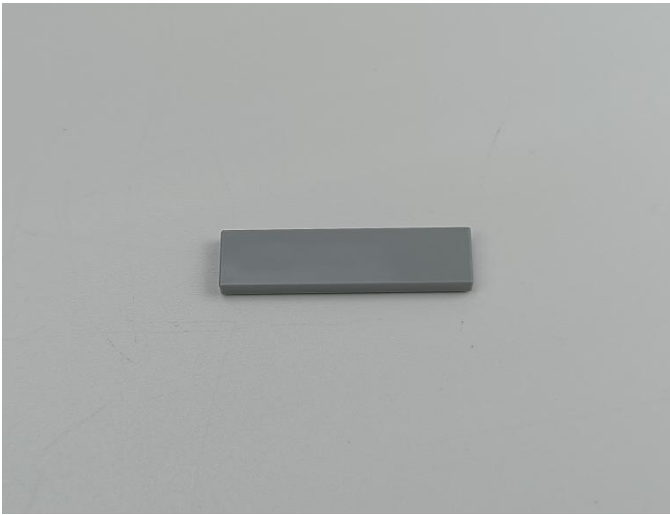
30



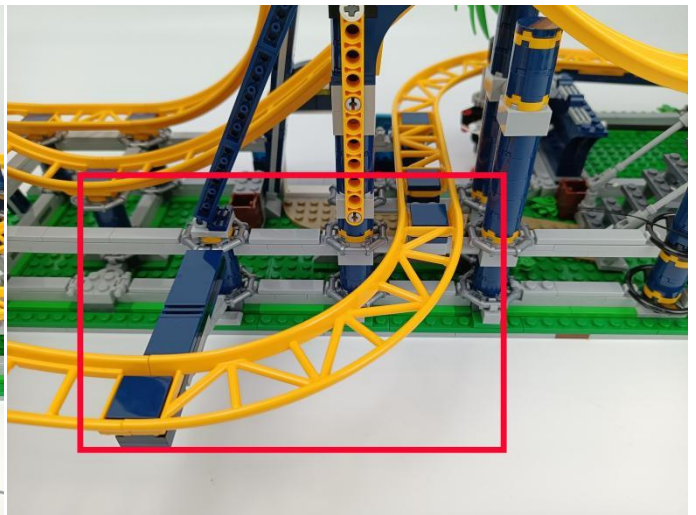
31



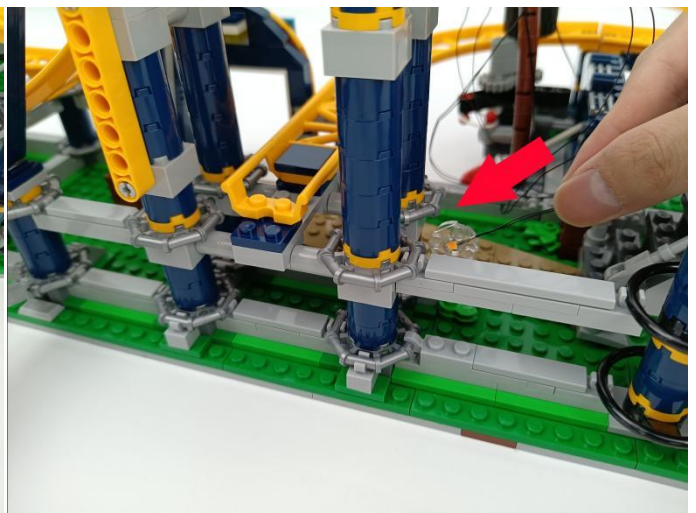
32



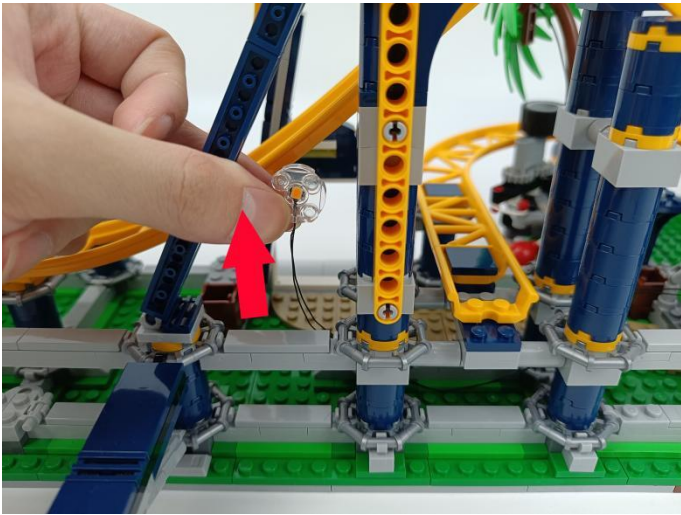
33



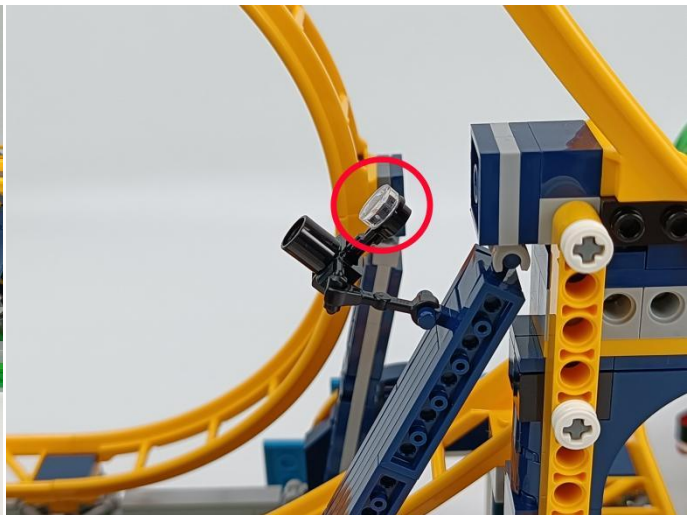
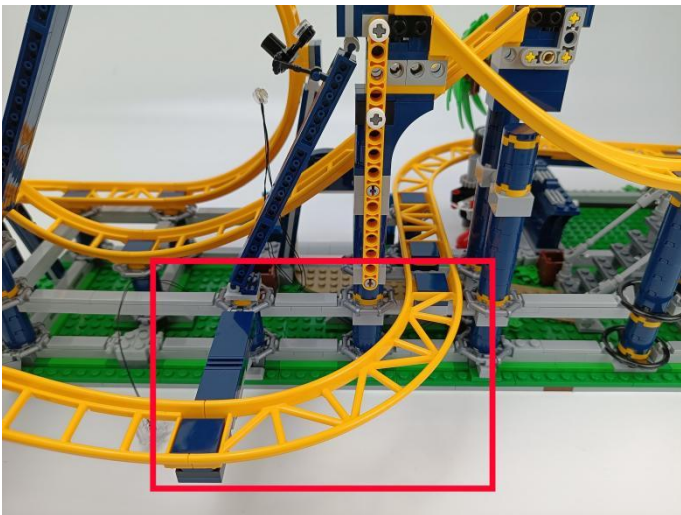
34



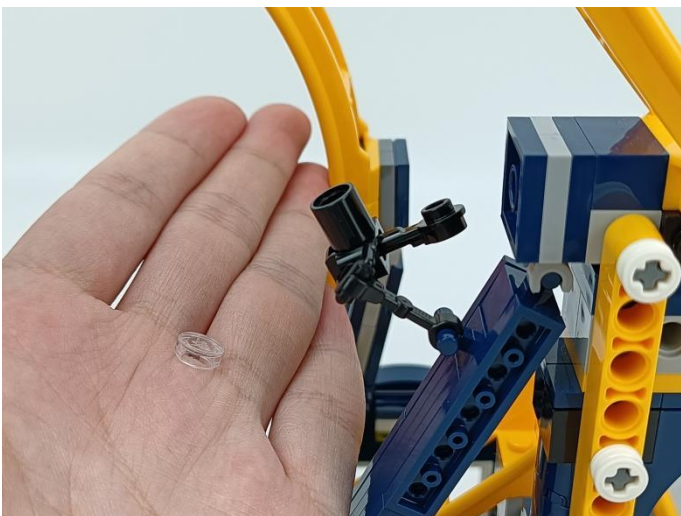
35



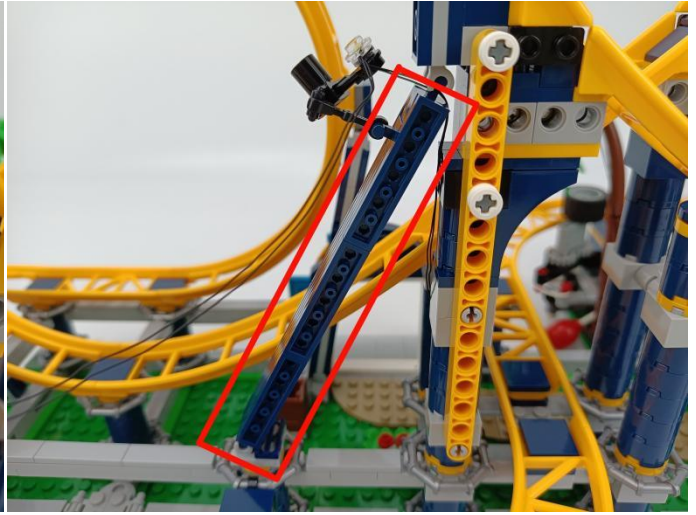
36



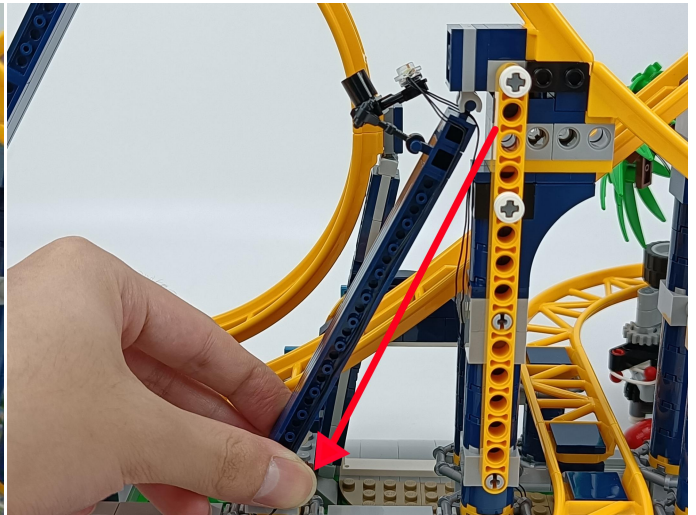
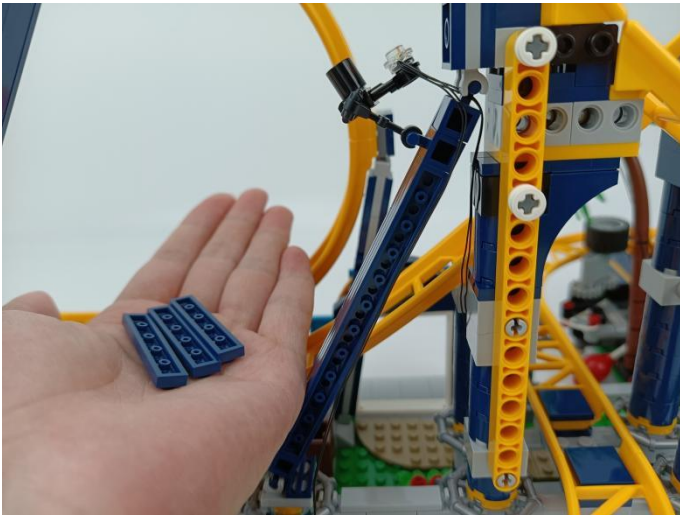
37



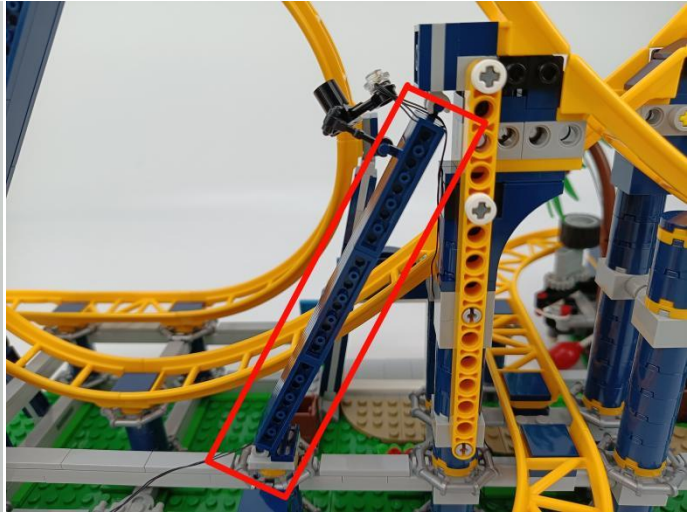
38



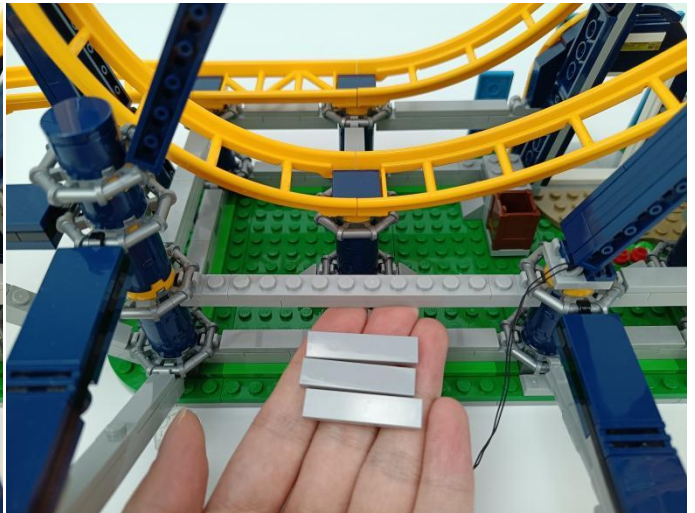
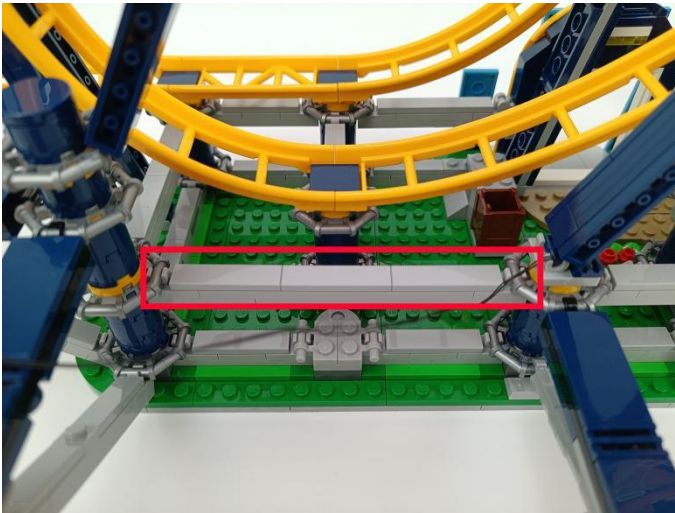
39



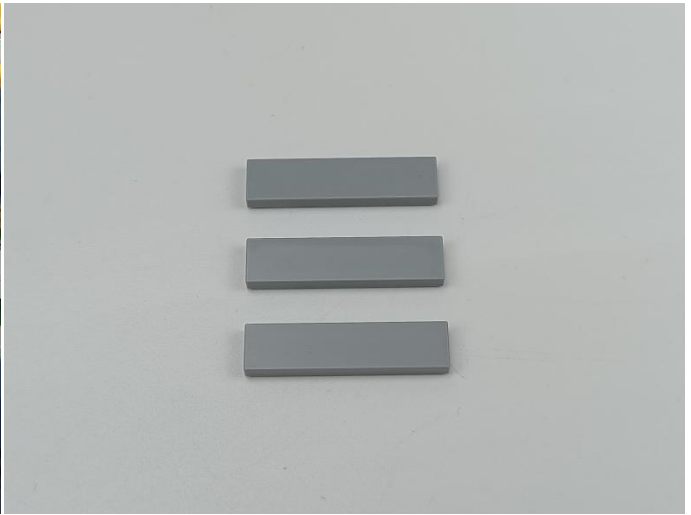
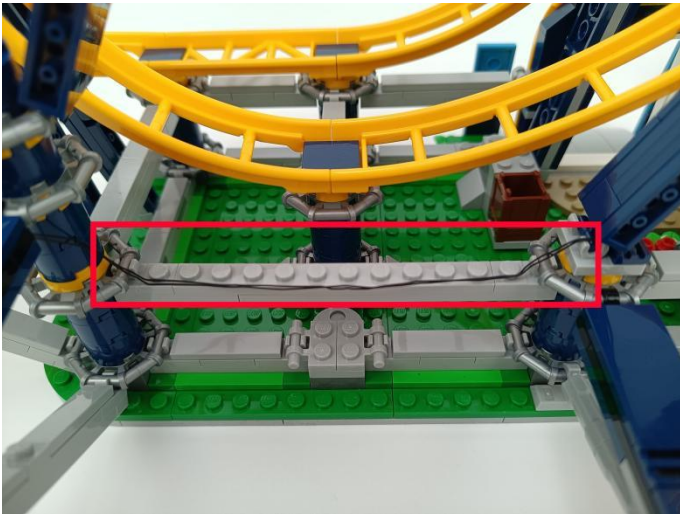
40



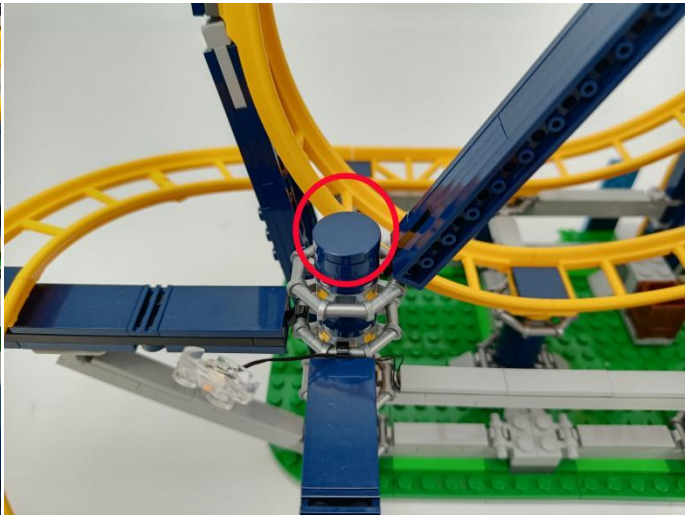
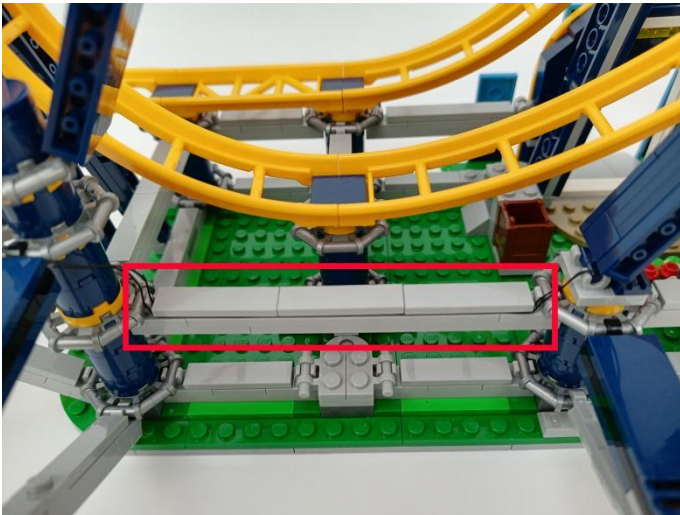
41



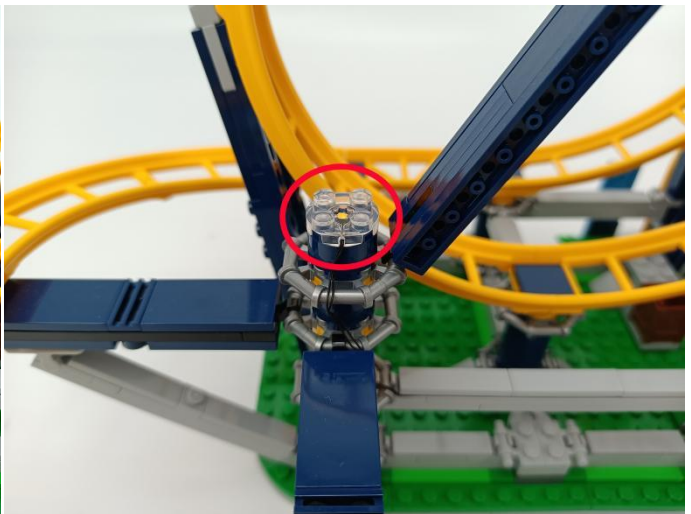
42



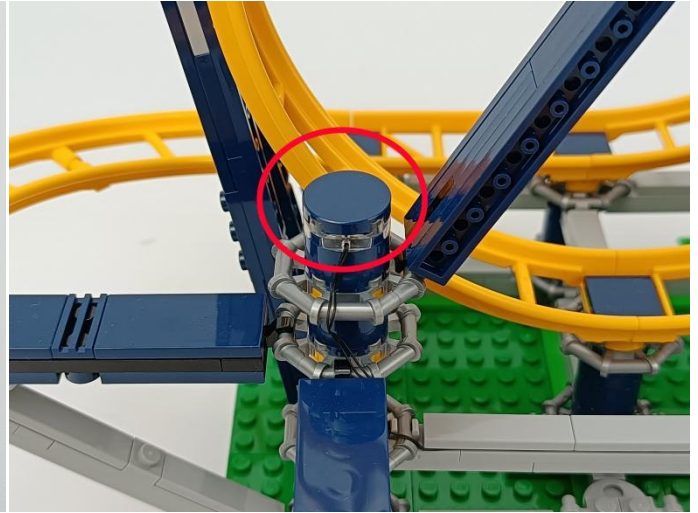
43



44



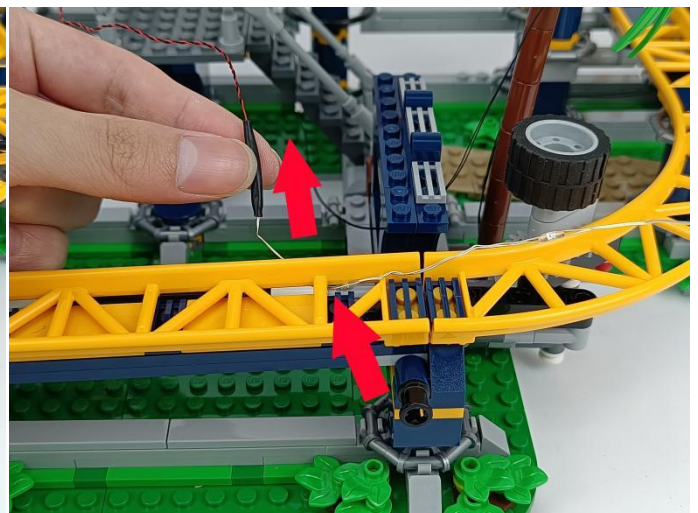
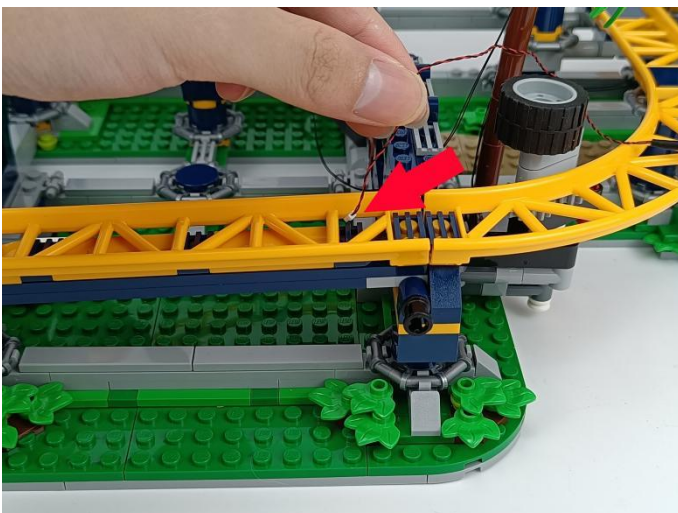
45



46

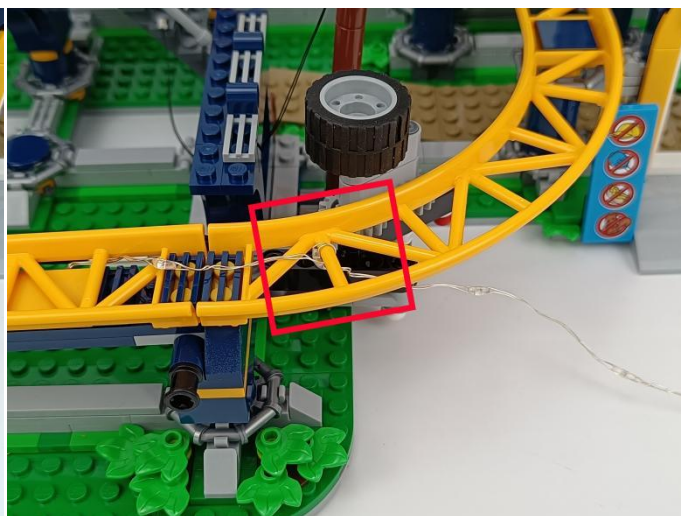
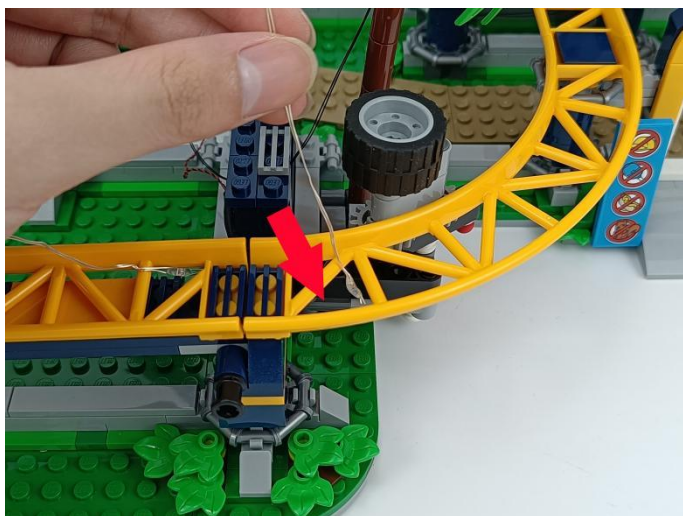


Pass the lighting wire through the gap in the track.





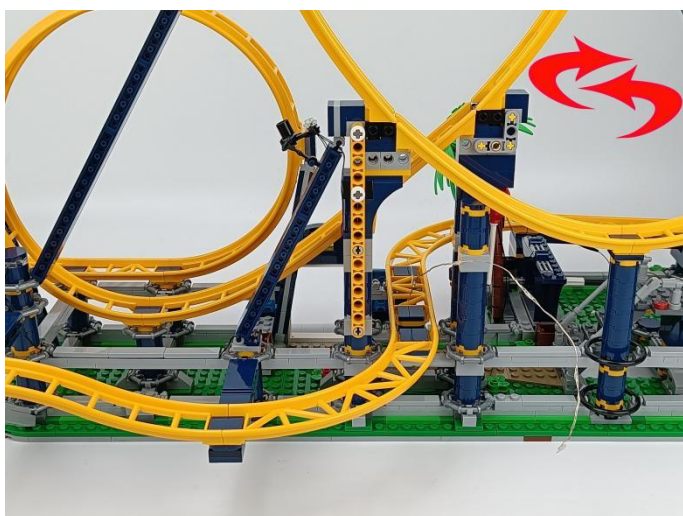
**Wrap a circle around the position selected in the picture to secure the lighting wire.**



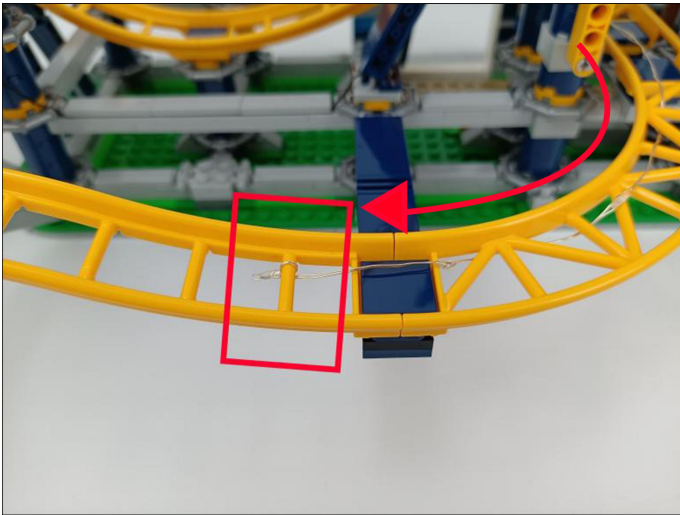
**Wrap the remaining lighting wire around the track.**



**47**



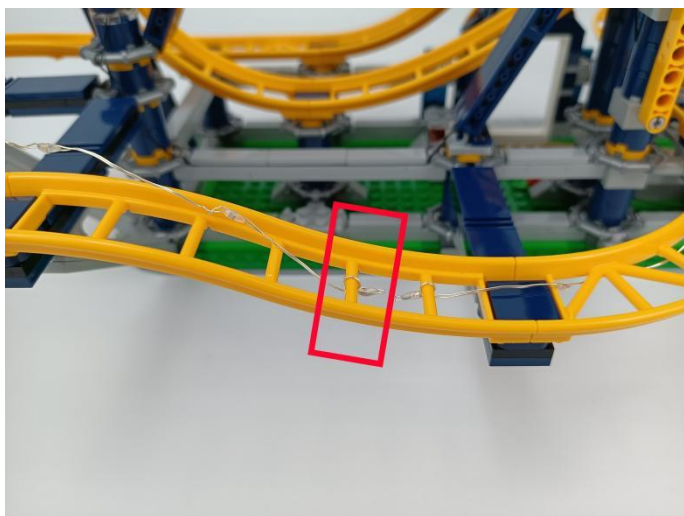
Wrap the remaining lighting wire around the track and make one turn at the location selected in the picture to secure the lighting wire.



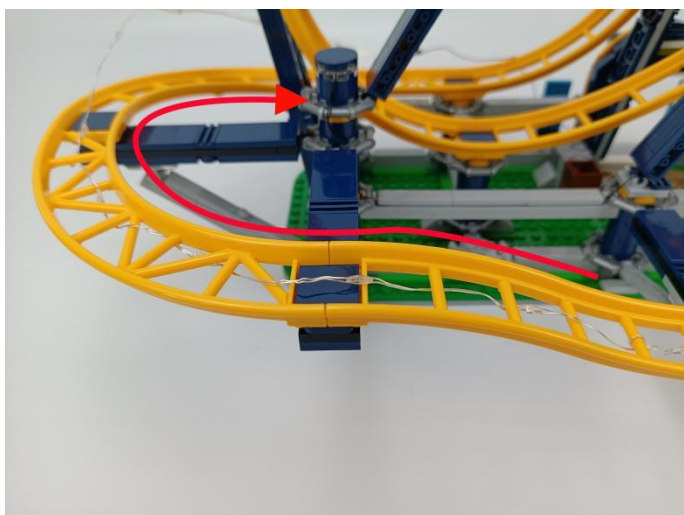
48



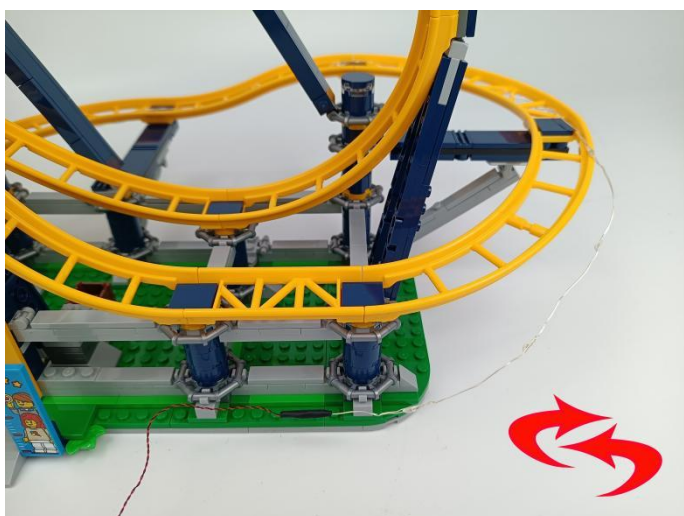
**Wrap a circle around the position selected in the picture to secure the lighting wire.**



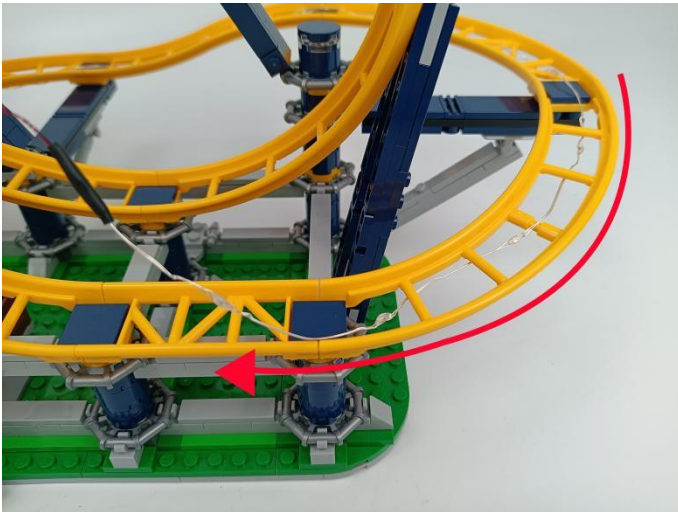
**Wrap the remaining lighting wire around the track.**



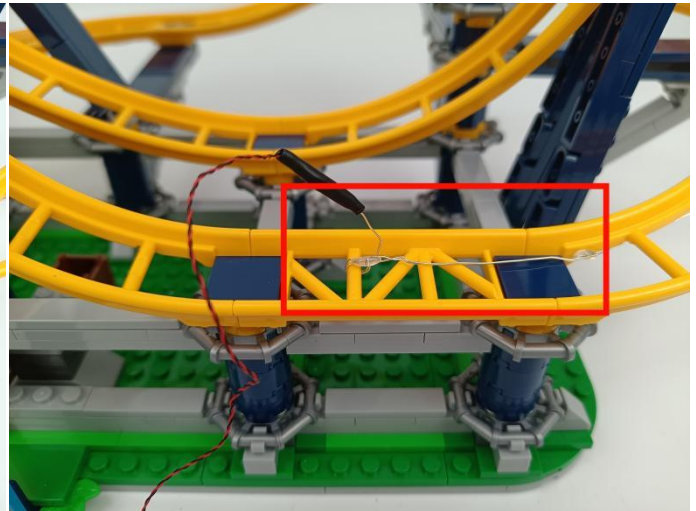
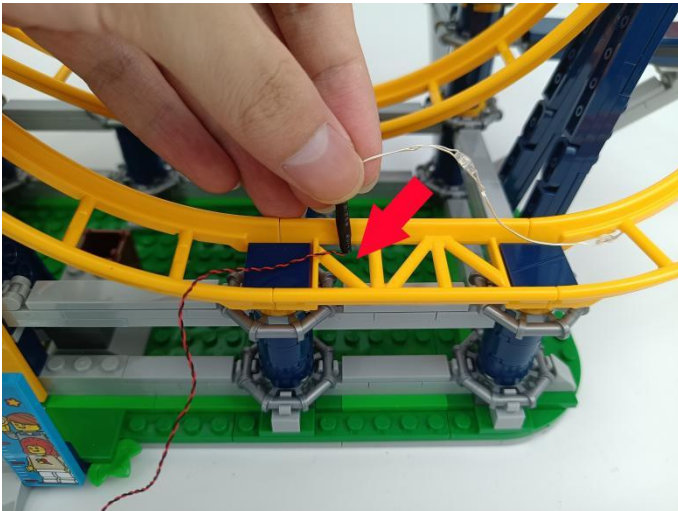
**49**



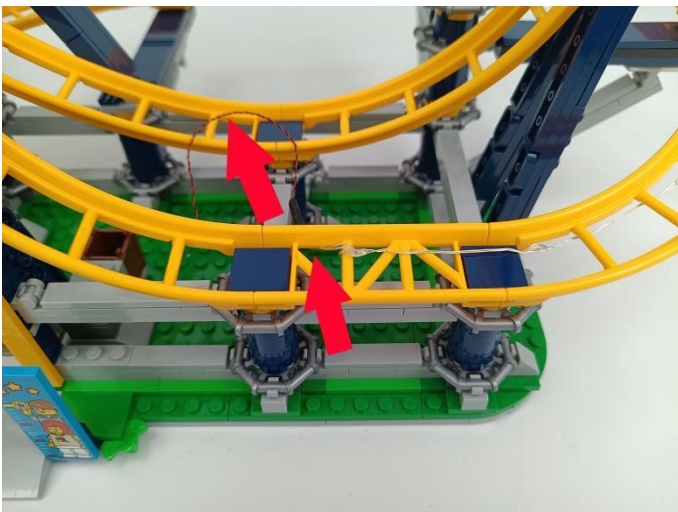
**Wrap the remaining lighting wire around the track.**



**Wrap a circle around the position selected in the picture to secure the lighting wire.**

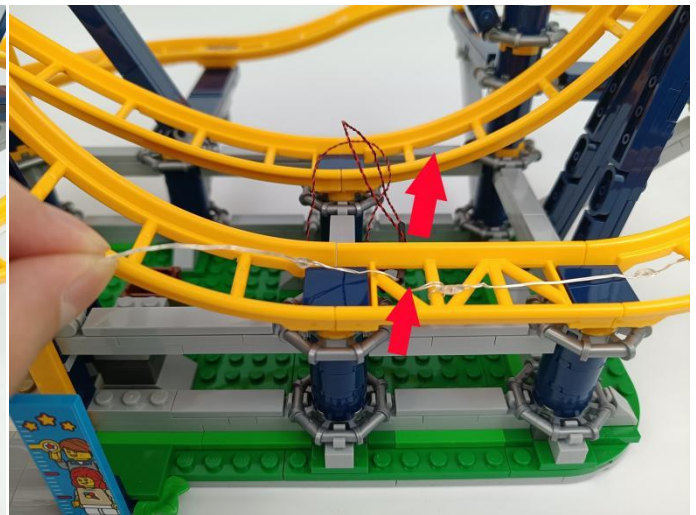
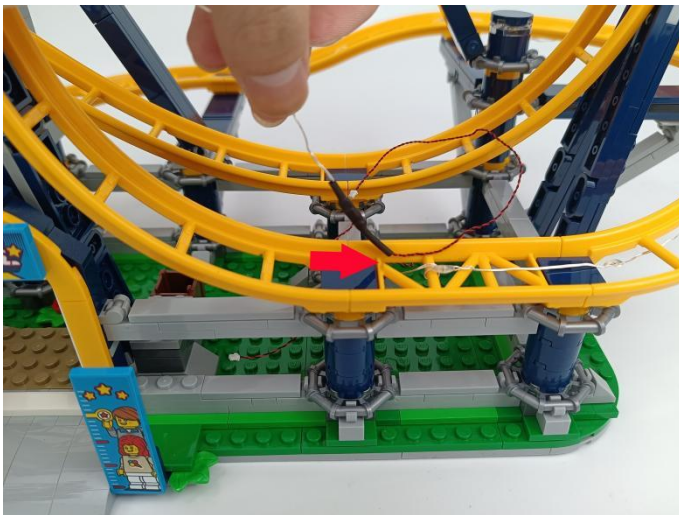


**Pass the lighting wire through the gap in the track.**

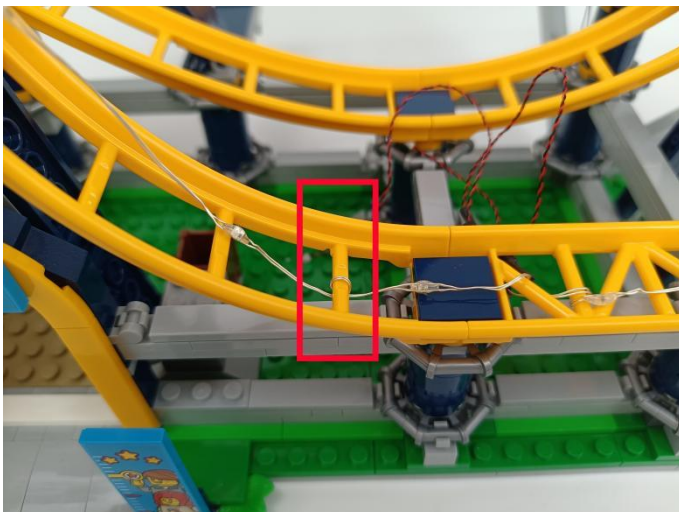




Pass the lighting wire through the gap in the track.



Wrap a circle around the position selected in the picture to secure the lighting wire.



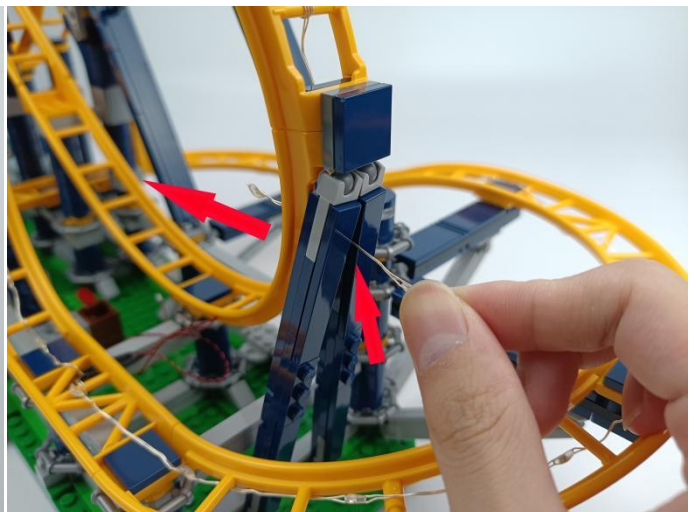
Wrap the remaining lighting wire around the track.

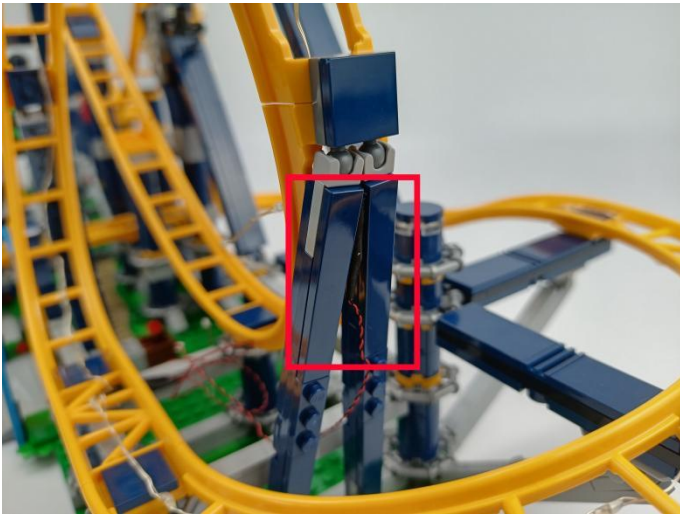


Wrap a circle around the position selected in the picture to secure the lighting wire.



51





**Wrap the remaining lighting wire around the track.**



**Wrap a circle around the position selected in the picture to secure the lighting wire.**





Wrap a circle around the position selected in the picture to secure the lighting wire.



Wrap the remaining lighting wire around the track.

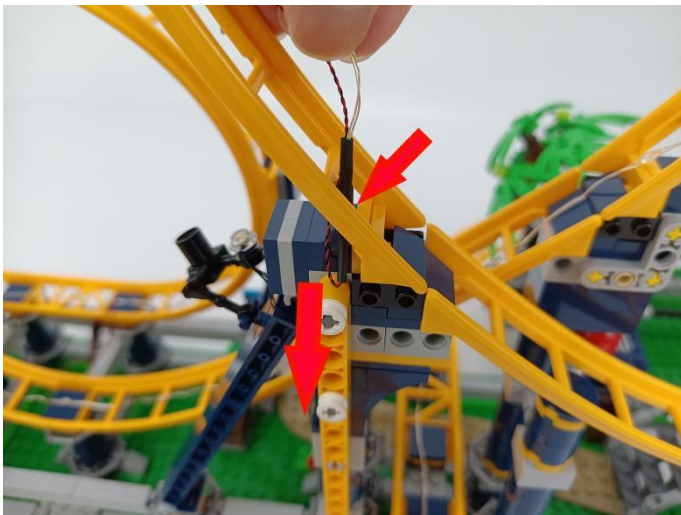




54



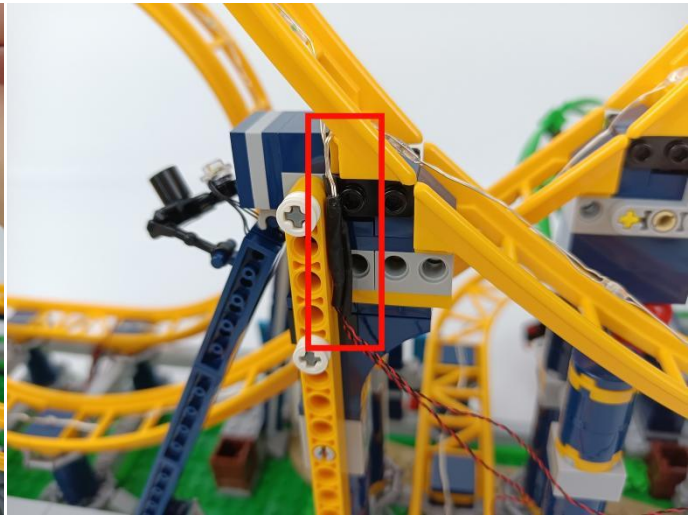
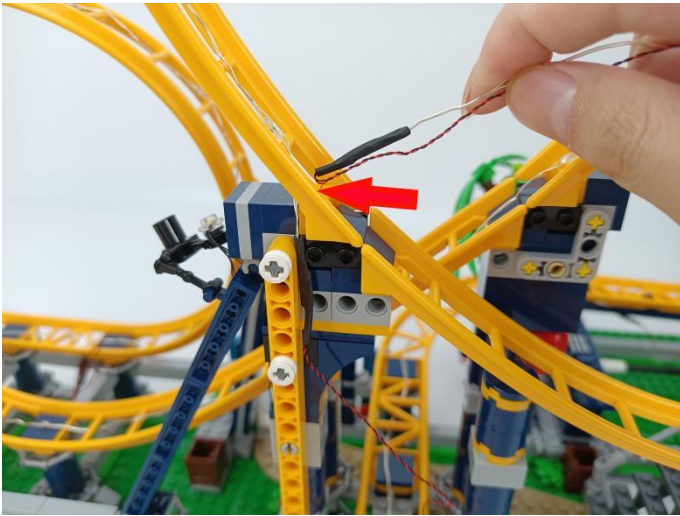
Hide the black part of the lighting wire into the gap between the brick parts.



55



**Hide the black part of the lighting wire into the gap between the brick parts.**



**Wrap a circle around the position selected in the picture to secure the lighting wire.**



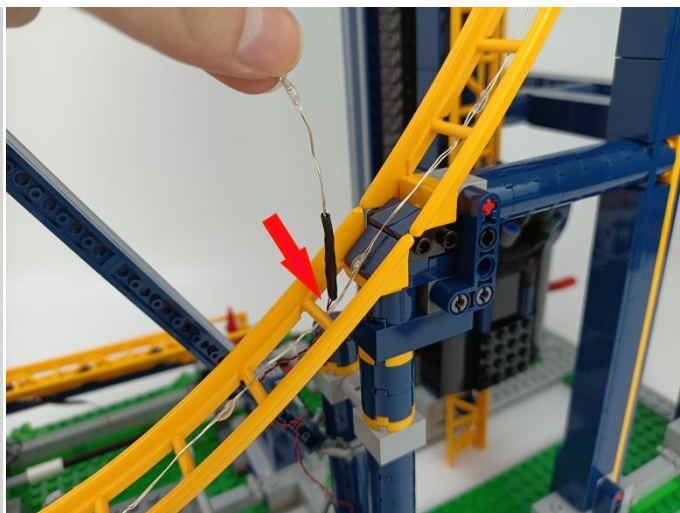
**Wrap the remaining lighting wire around the track.**



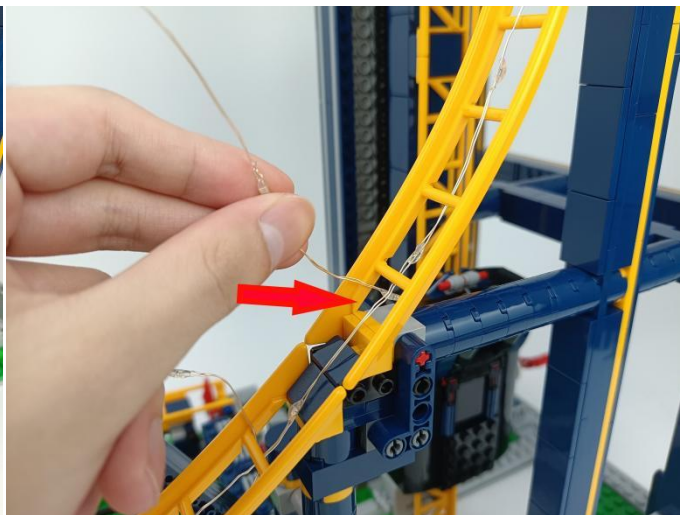
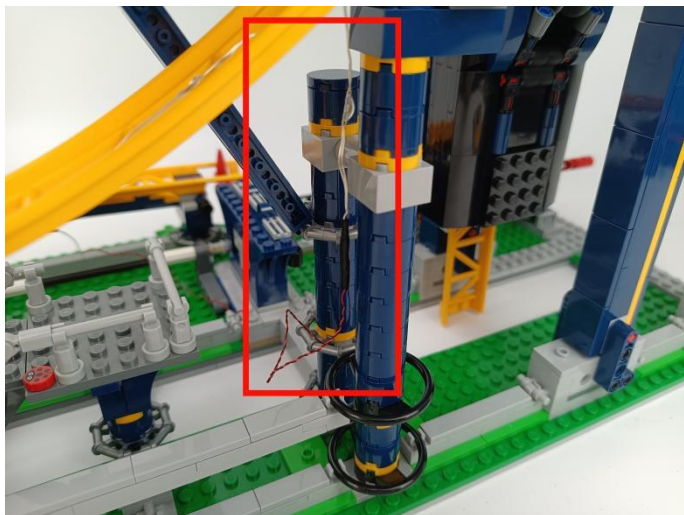
Wrap a circle around the position selected in the picture to secure the lighting wire.



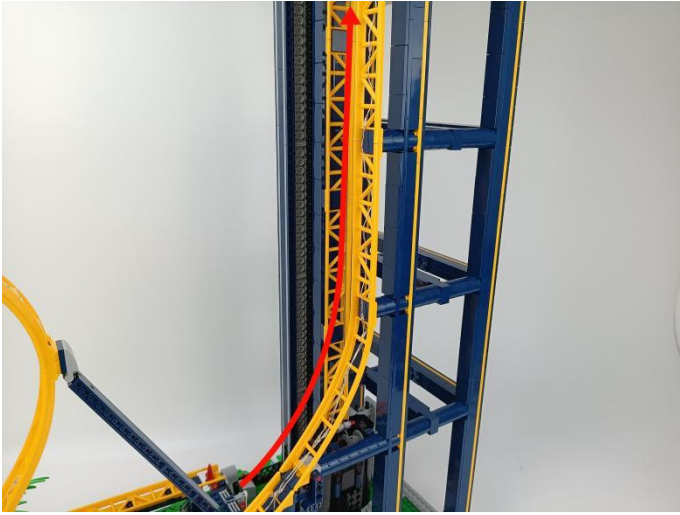
56



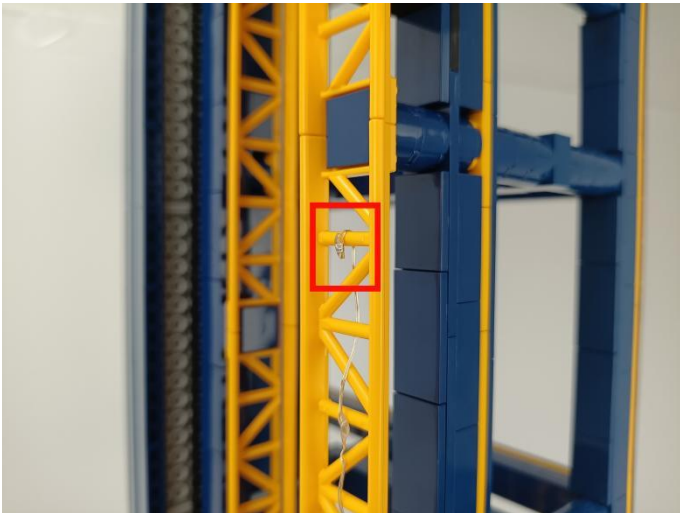
57



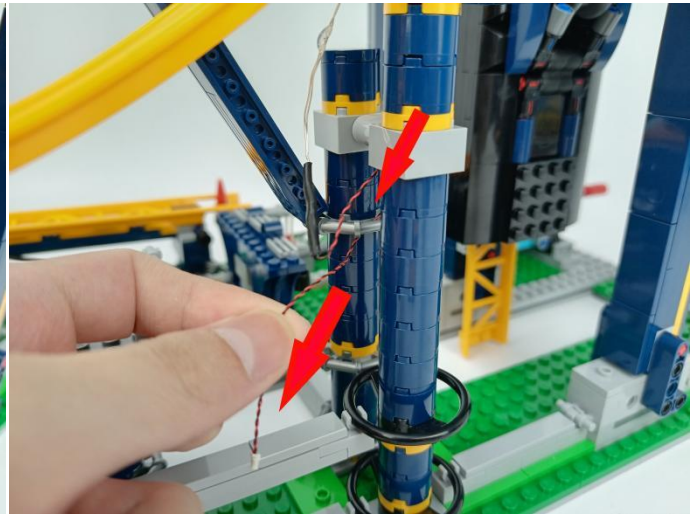
**Wrap the remaining lighting wire around the track.**



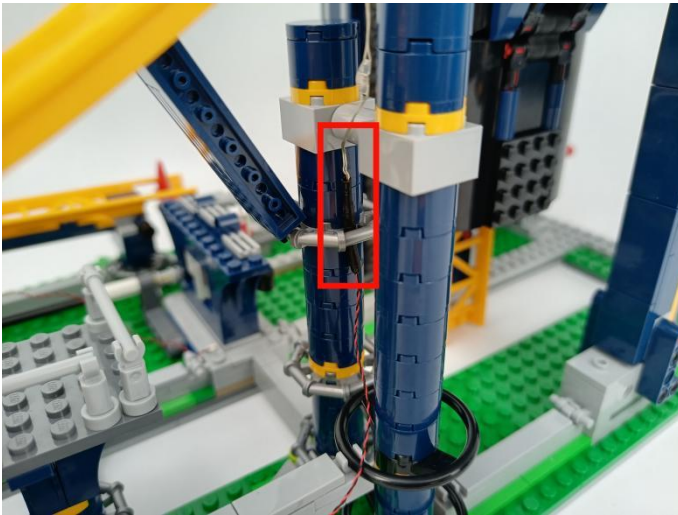
**Wrap a circle around the position selected in the picture to secure the lighting wire.**



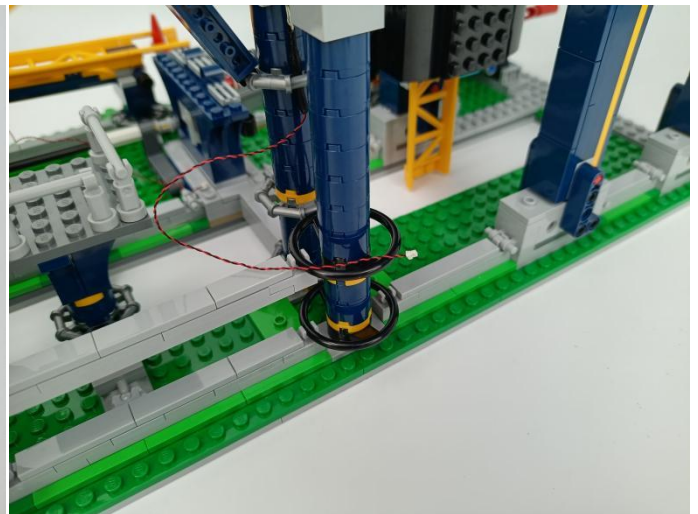
58



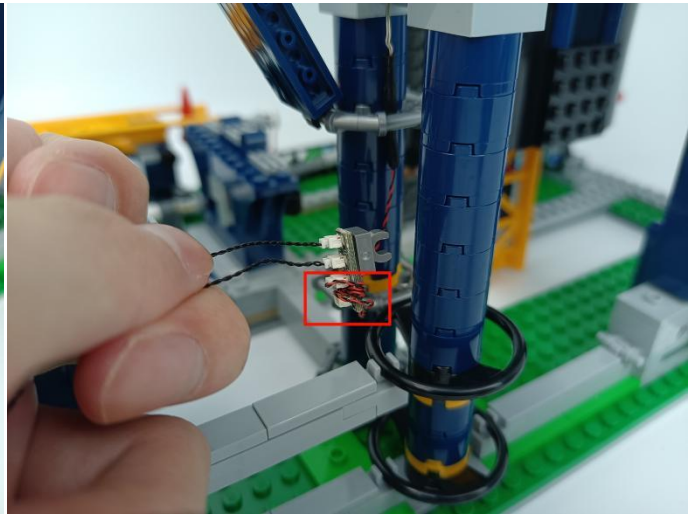
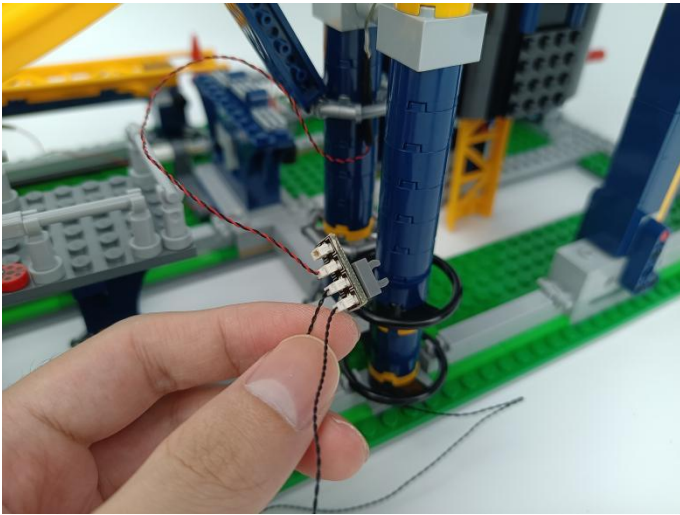
59



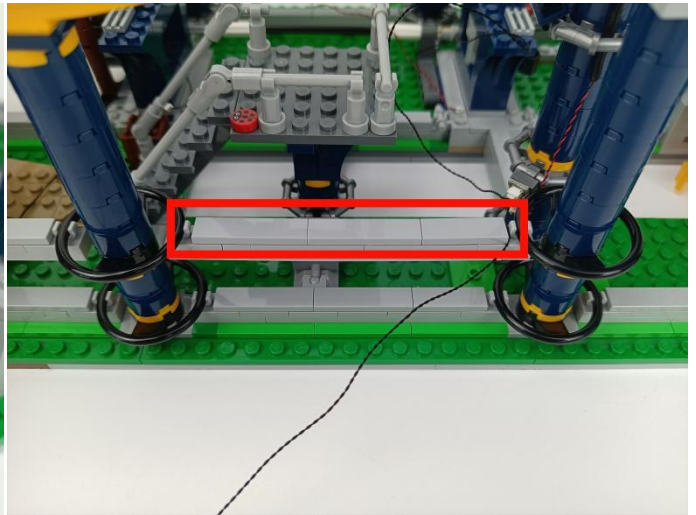
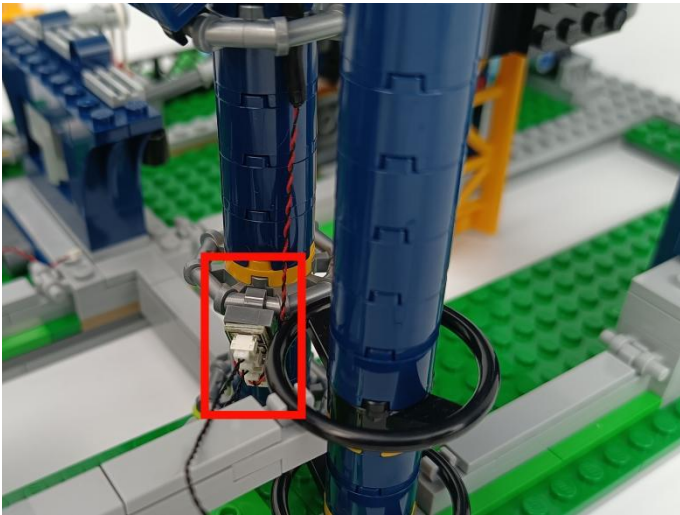
60



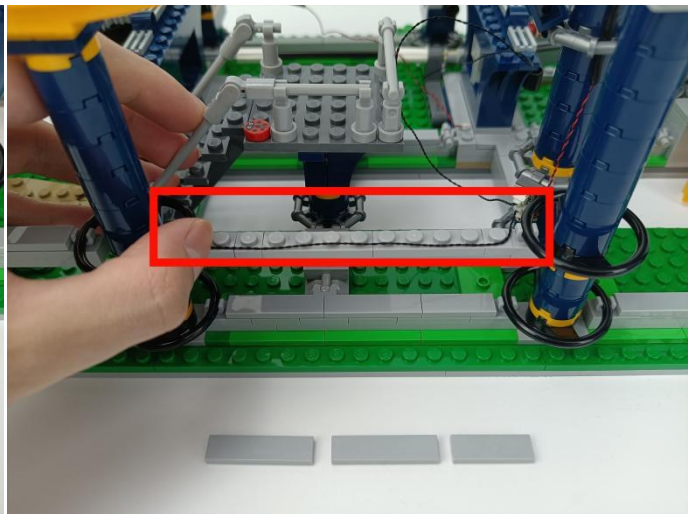
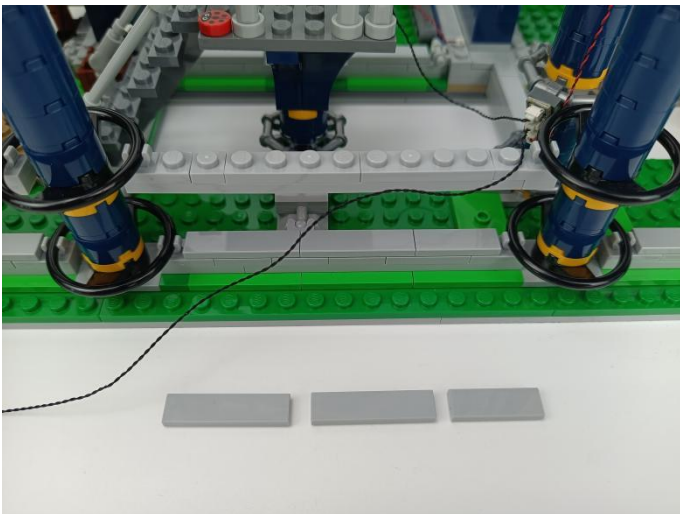
61



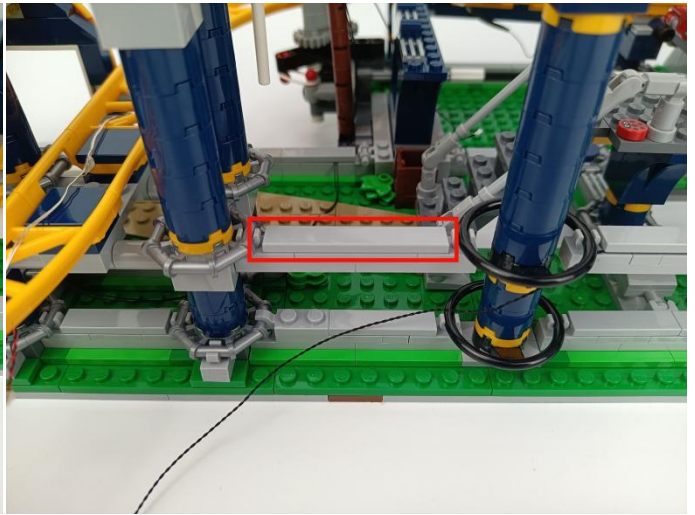
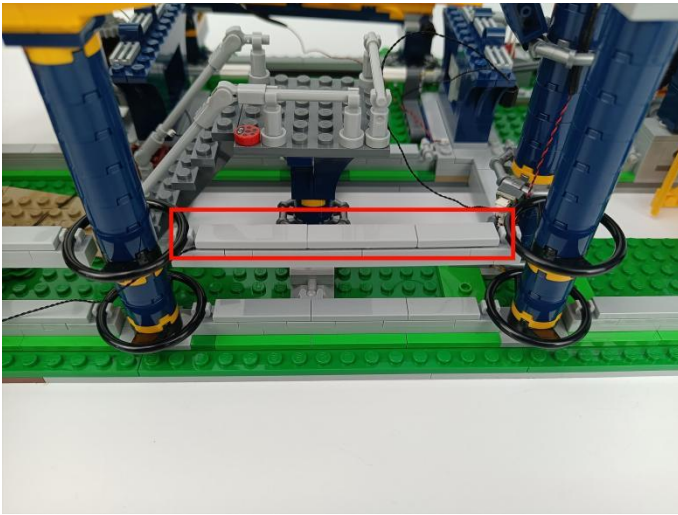
62



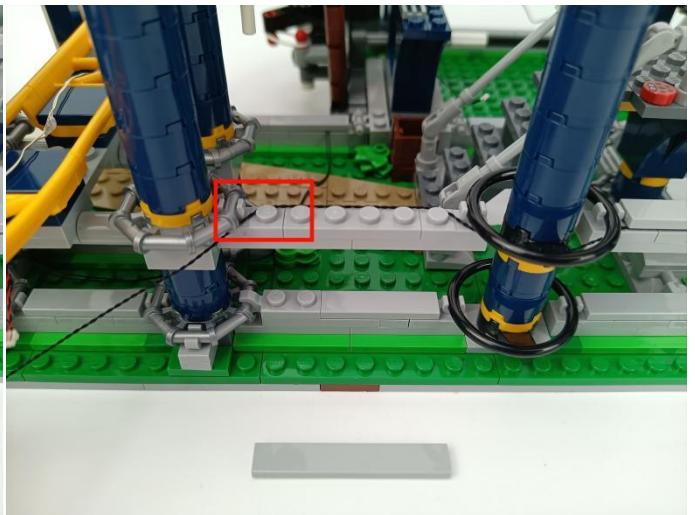
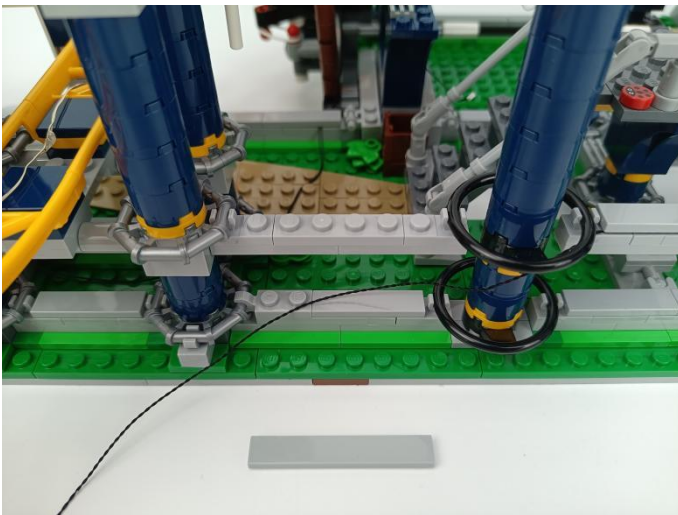
63



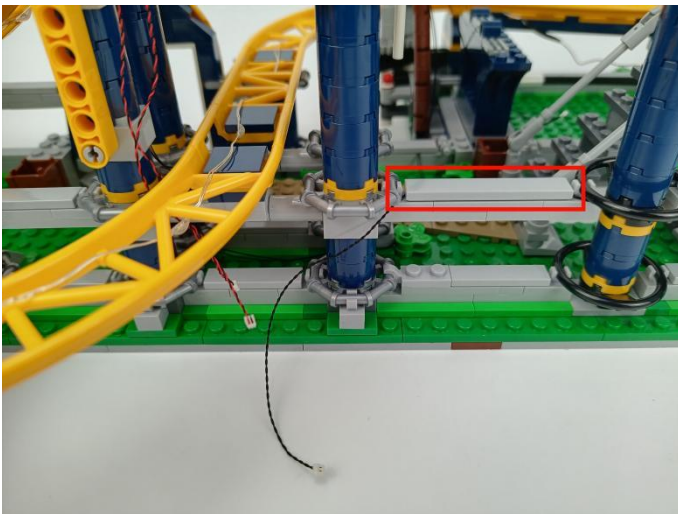
64



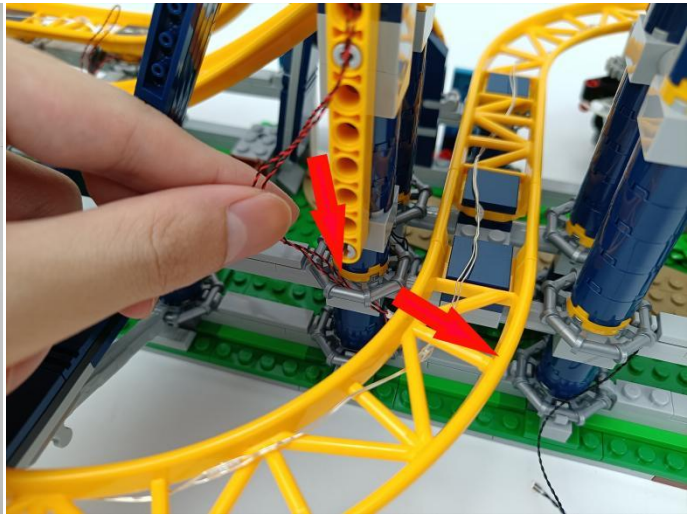
65



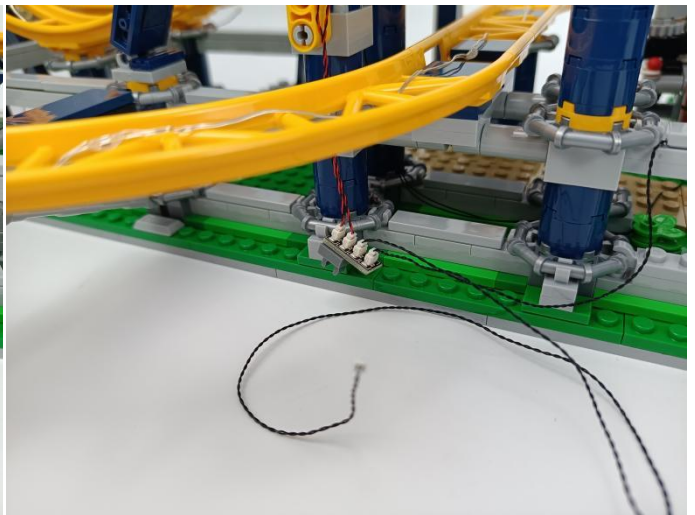
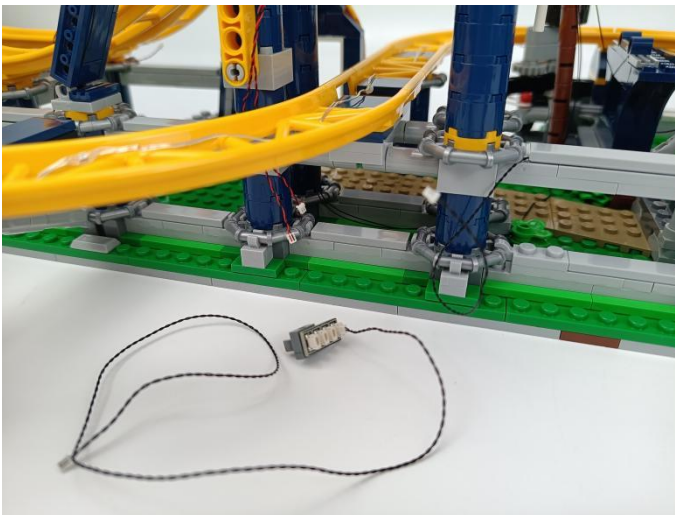
66



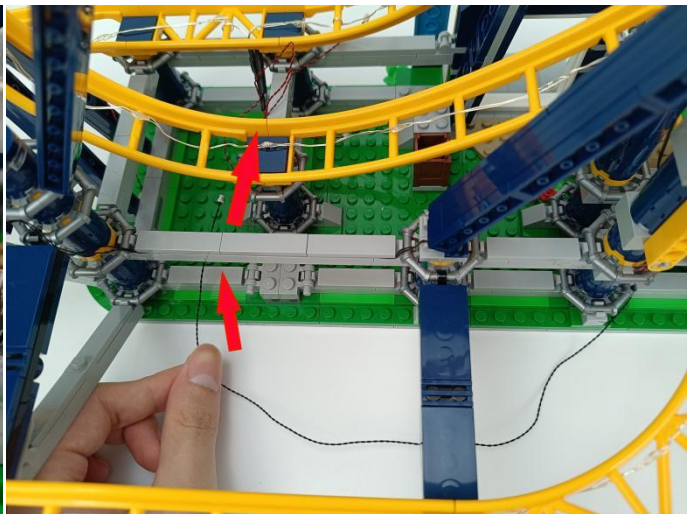
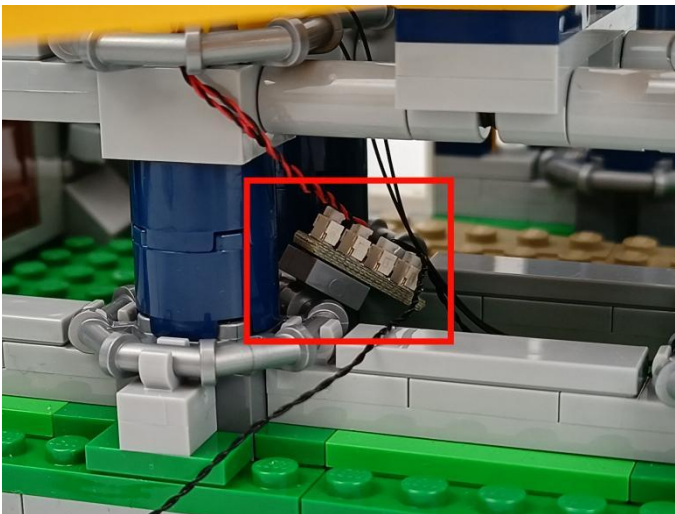
67



68

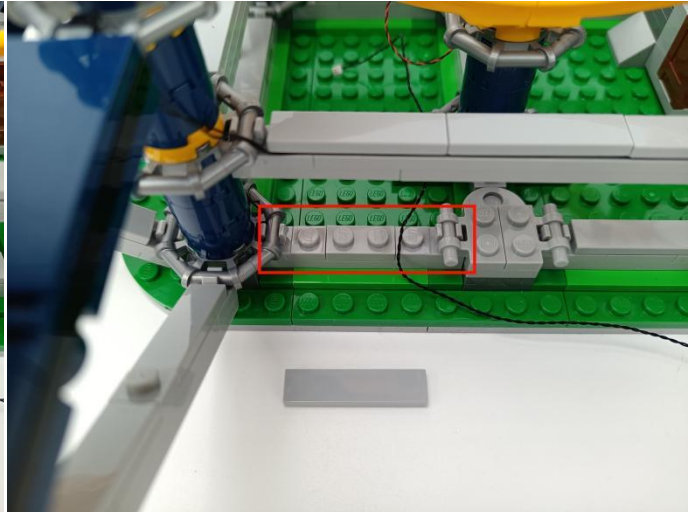
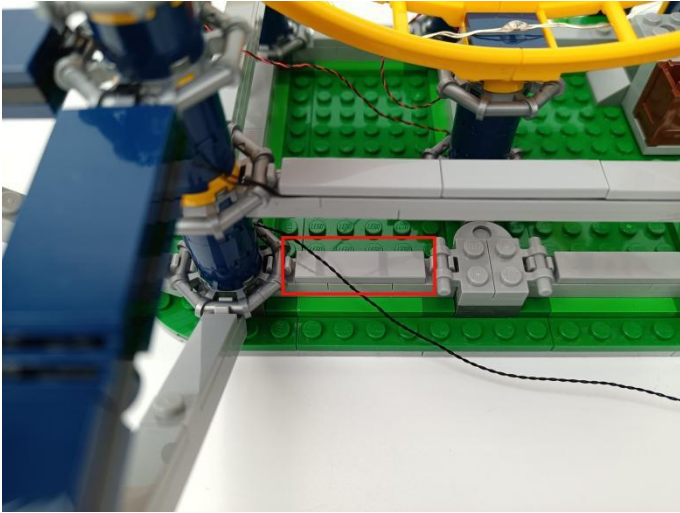


69

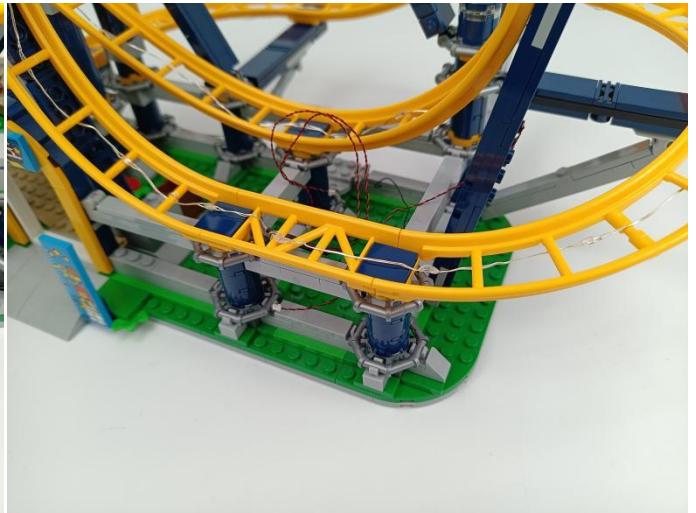
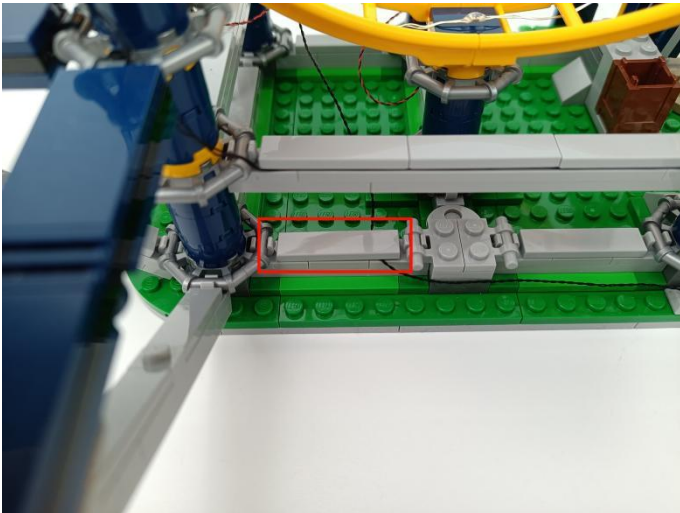




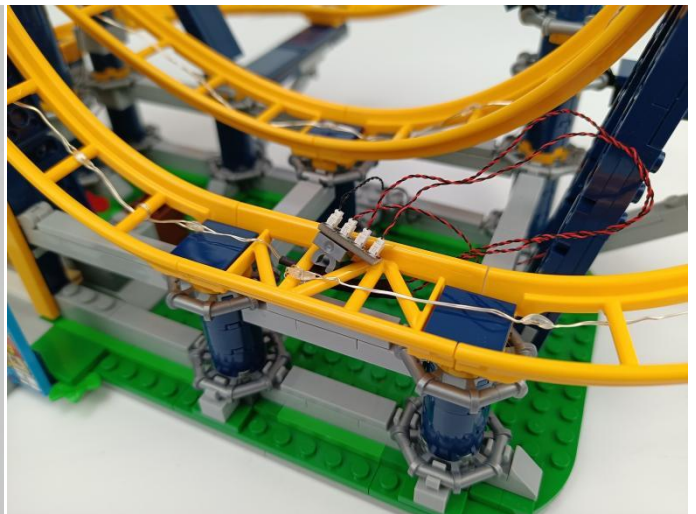
70



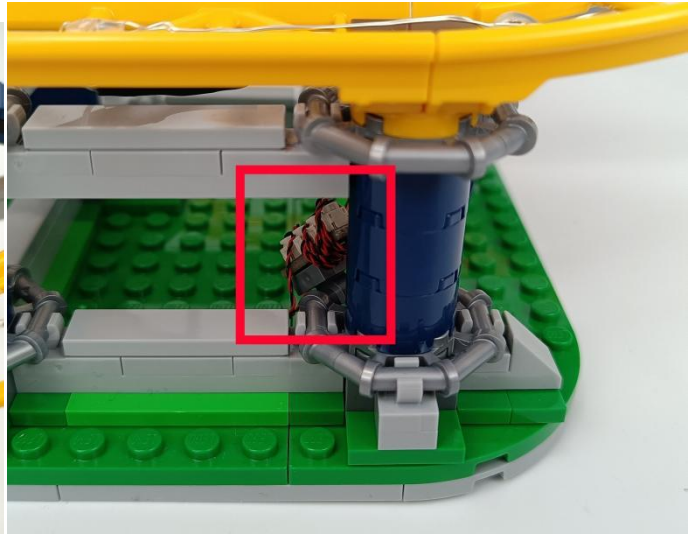
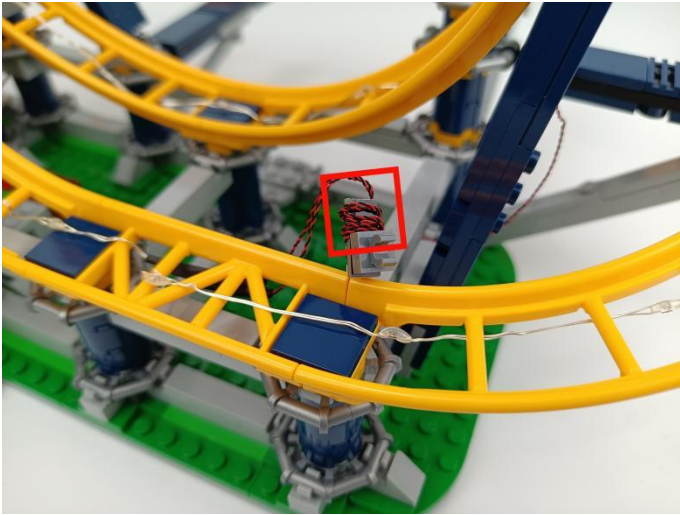
71



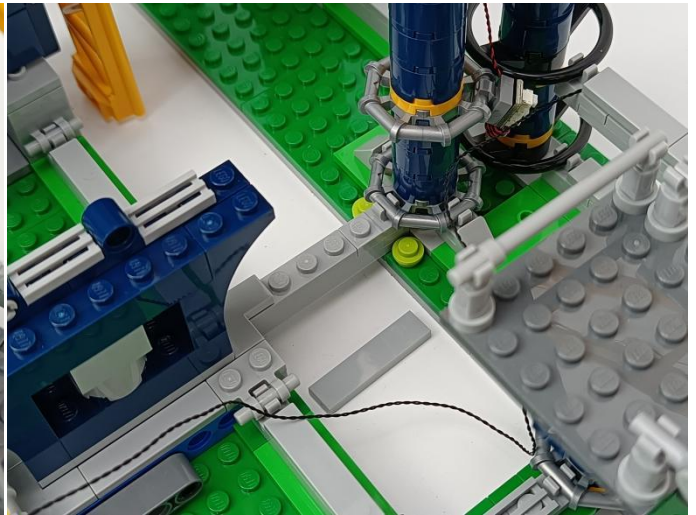
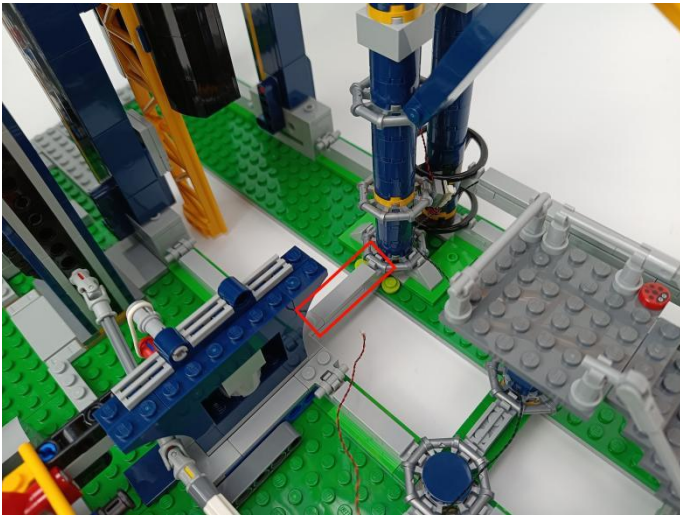
72



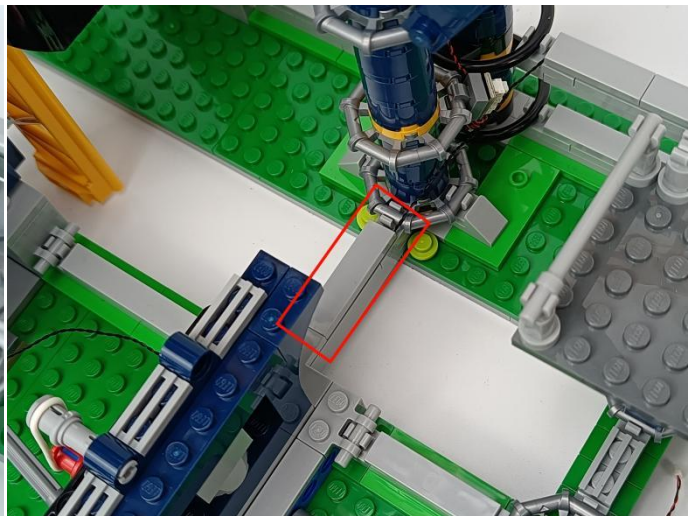
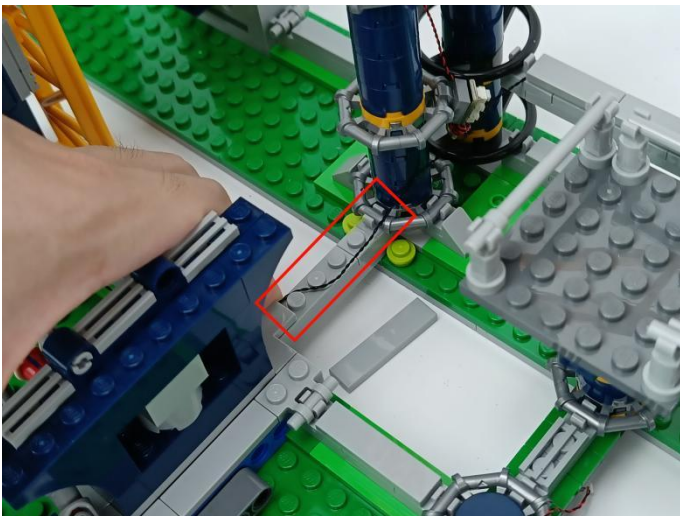
73



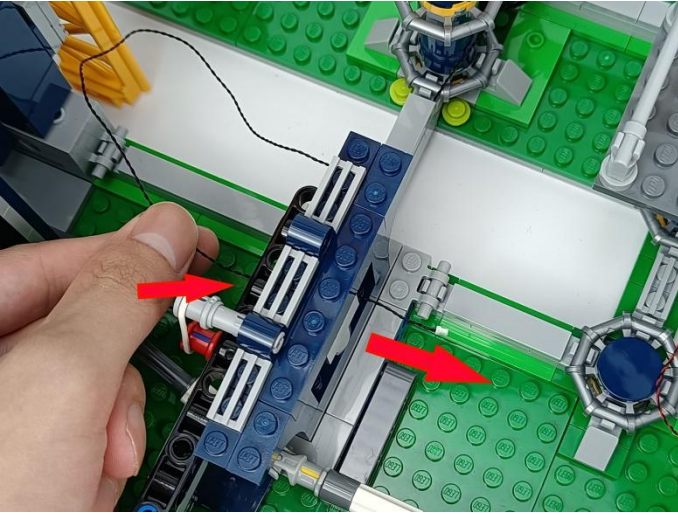
74



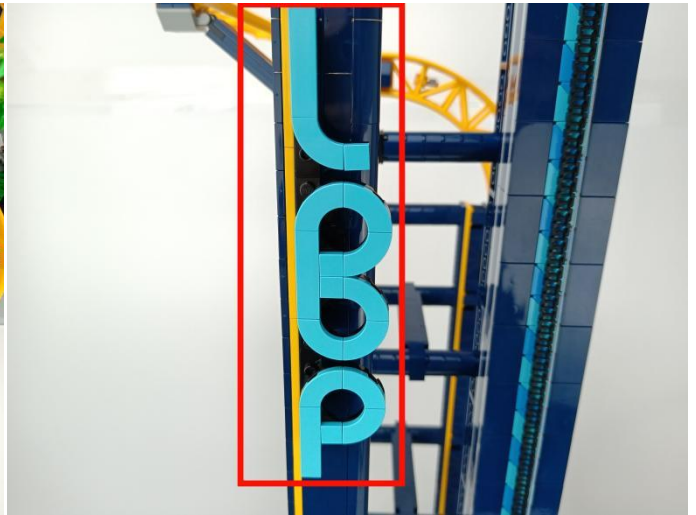
75



76



77



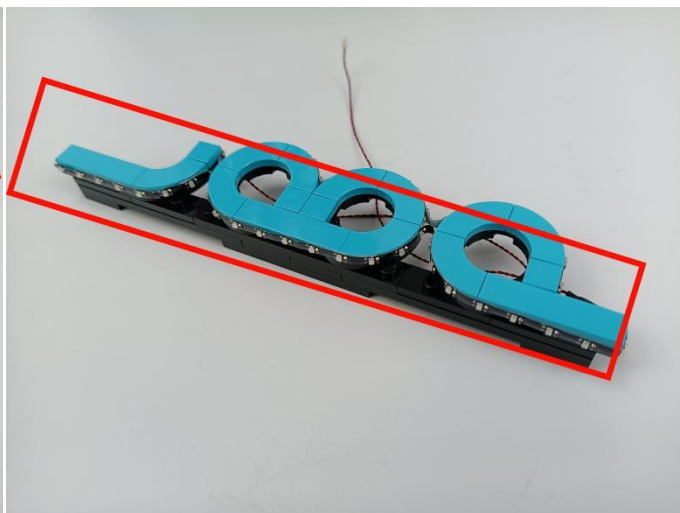
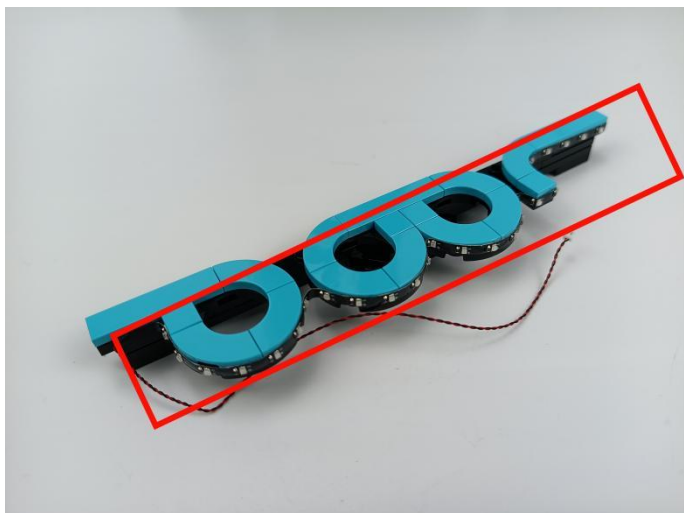
78



79



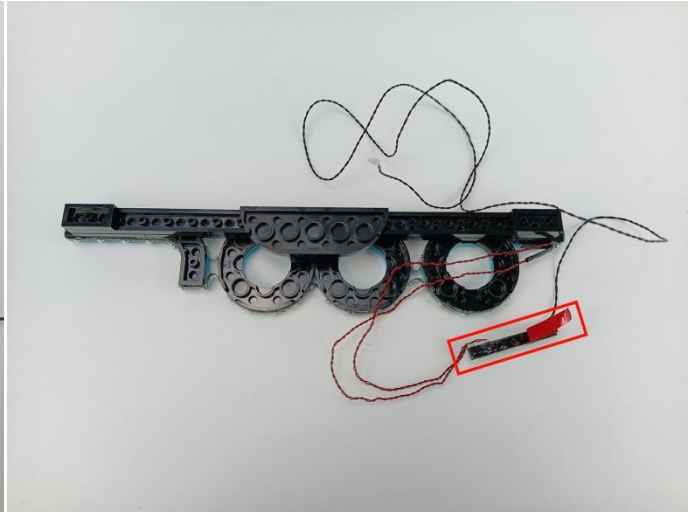
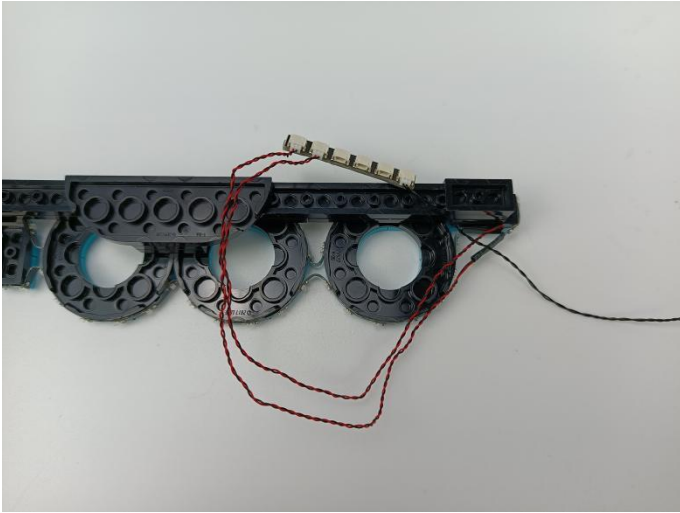
80



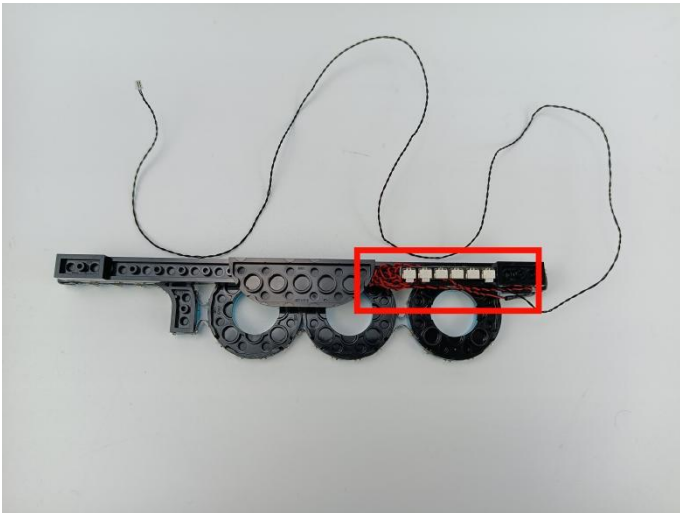
81



82

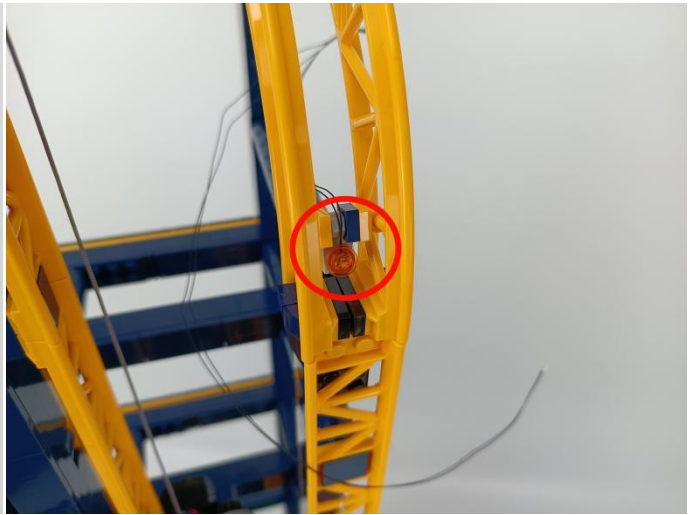
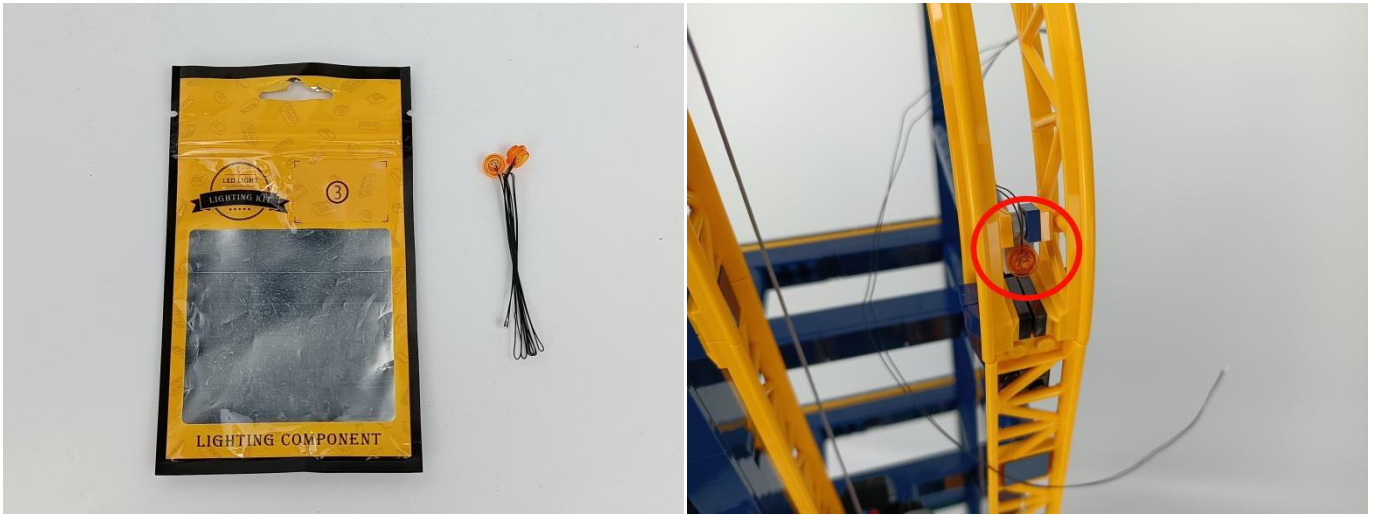


83



Look towards the top of the model.

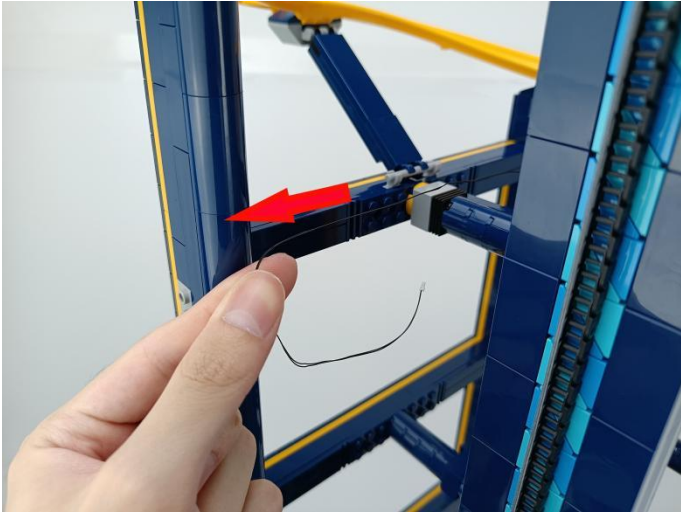




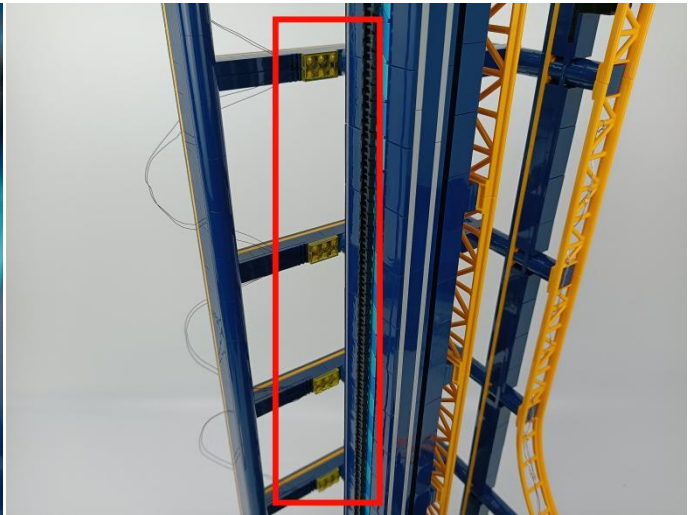
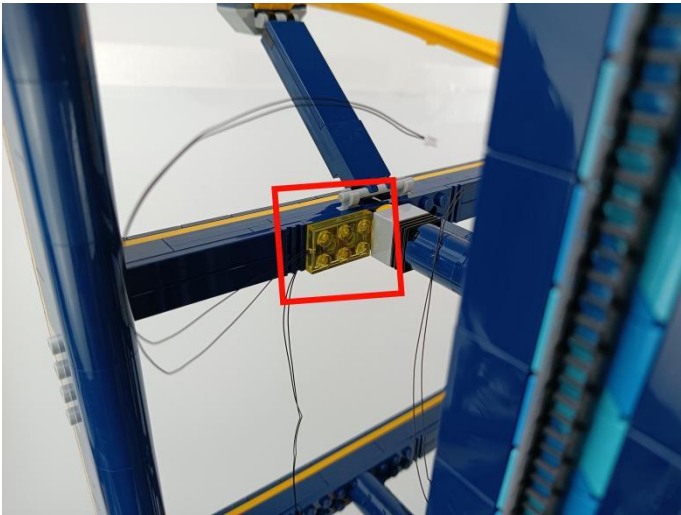
Look at the top and install the lighting wire.



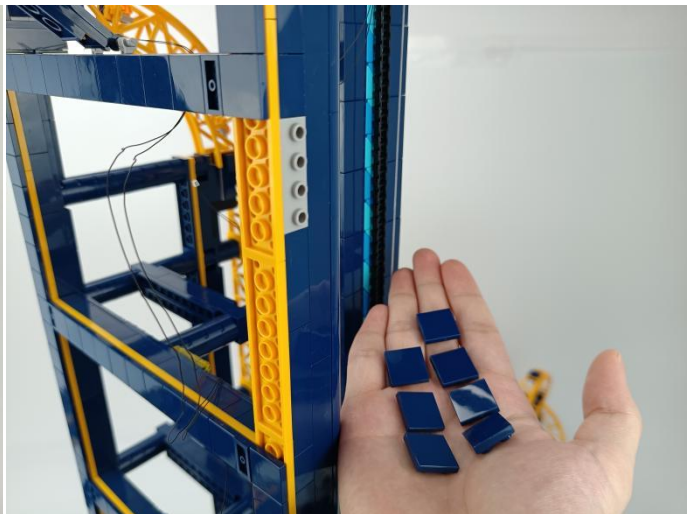
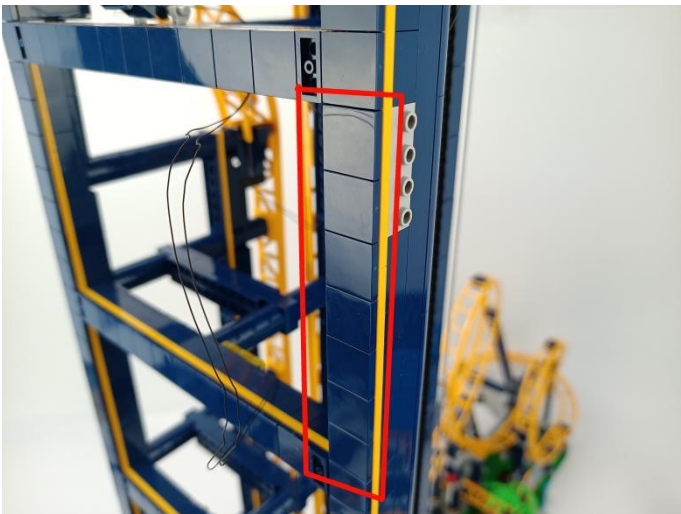
**Pull the lighting cord all the way to the left.**



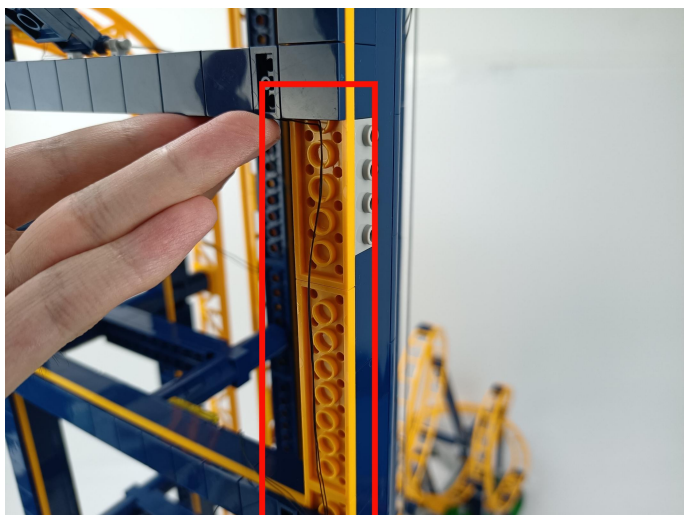
**85**



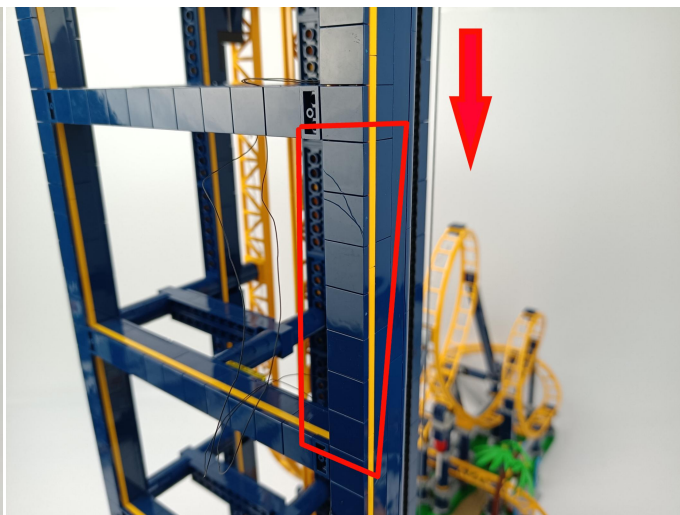
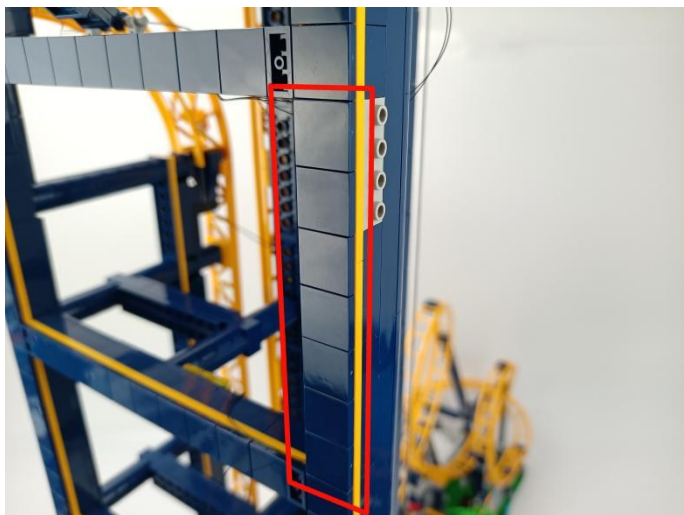
**86**



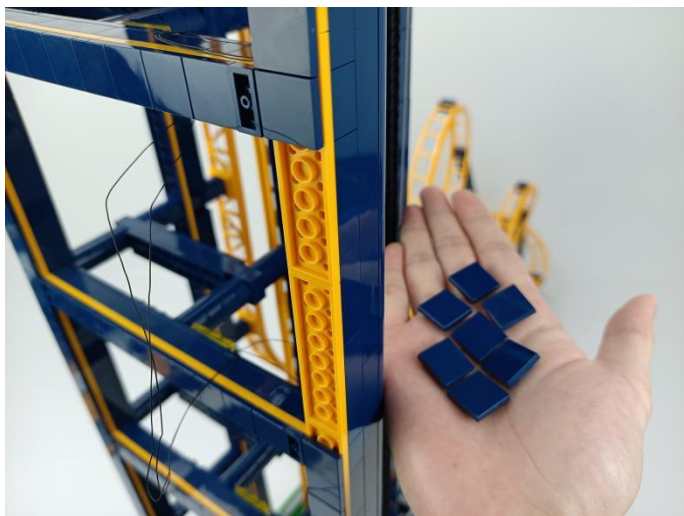
87



88

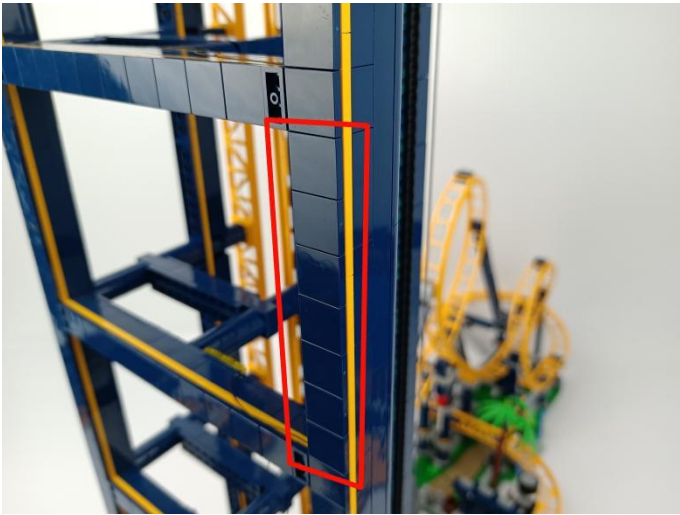


89

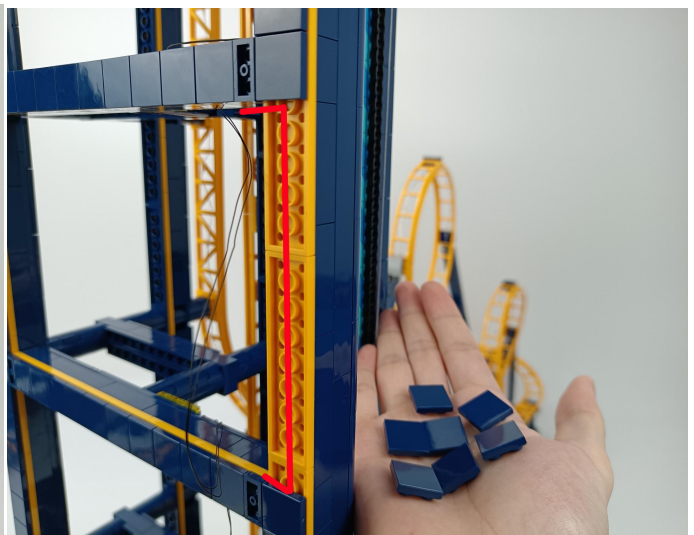
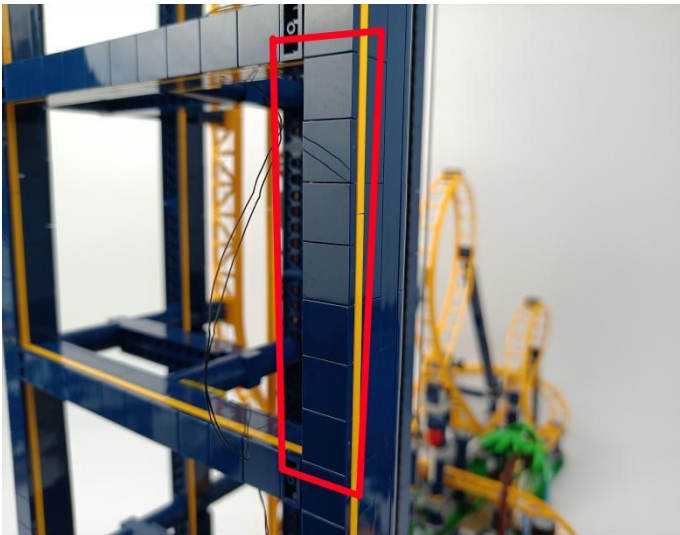




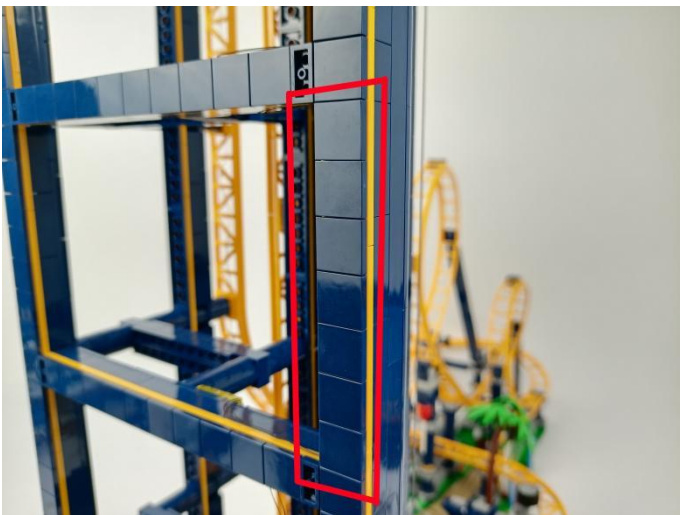
**Restore the blue building blocks, and place the lighting line at the bottom.**



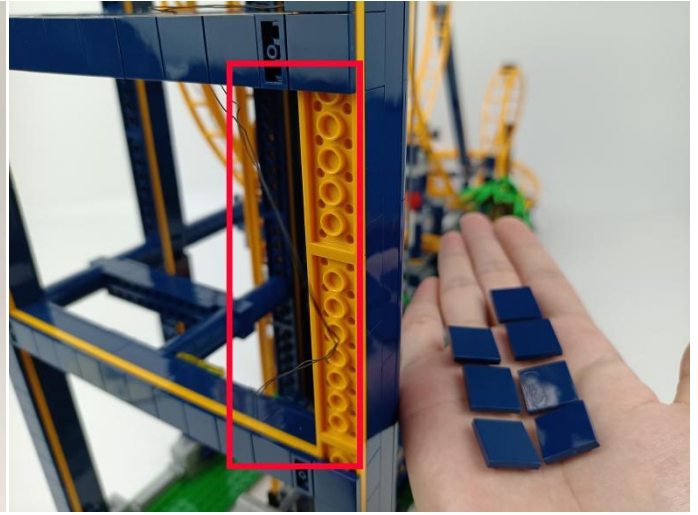
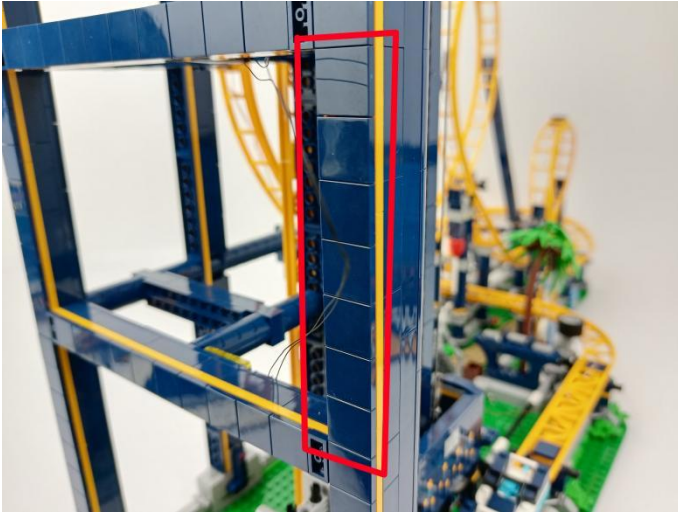
**Arrange the lighting line according to the red line, then restore the building blocks, and place the lighting line at the bottom.**



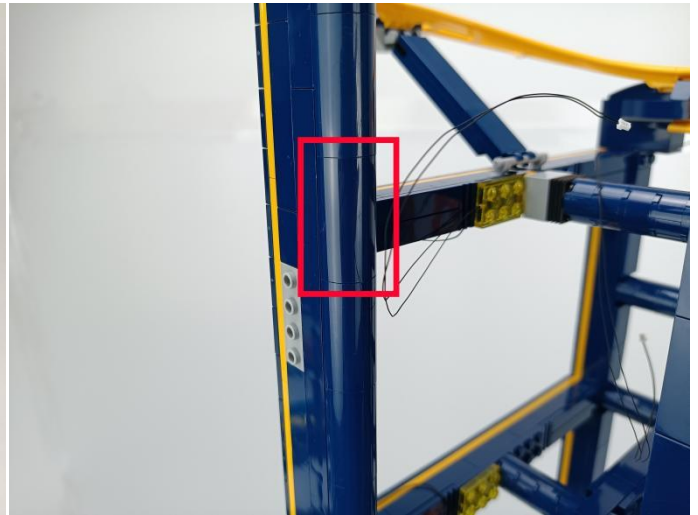
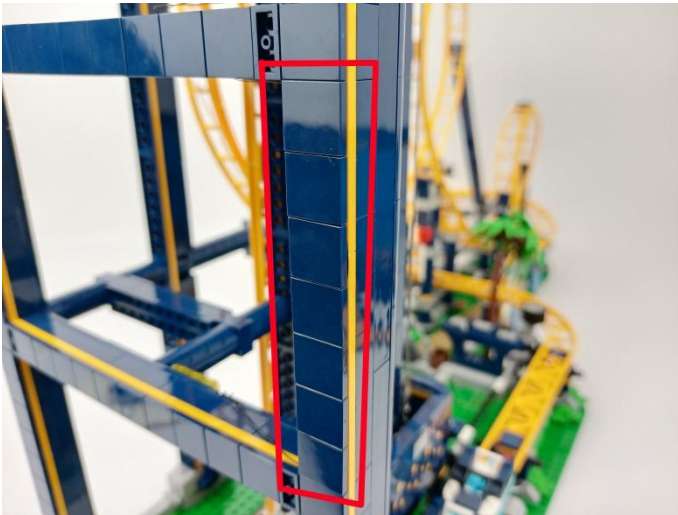
**90**



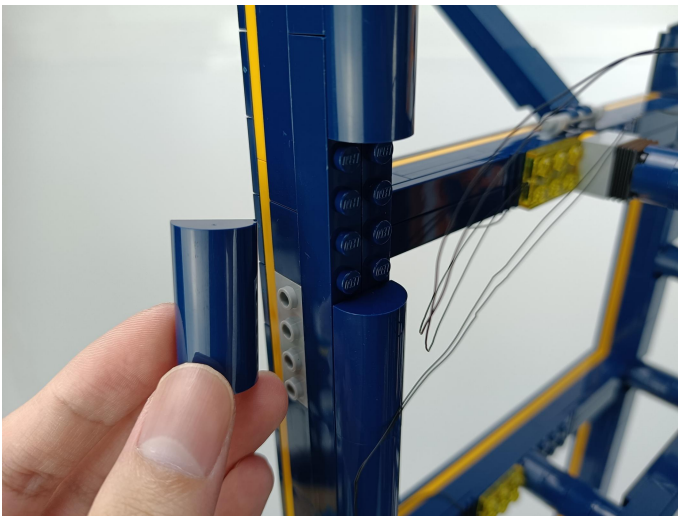
91



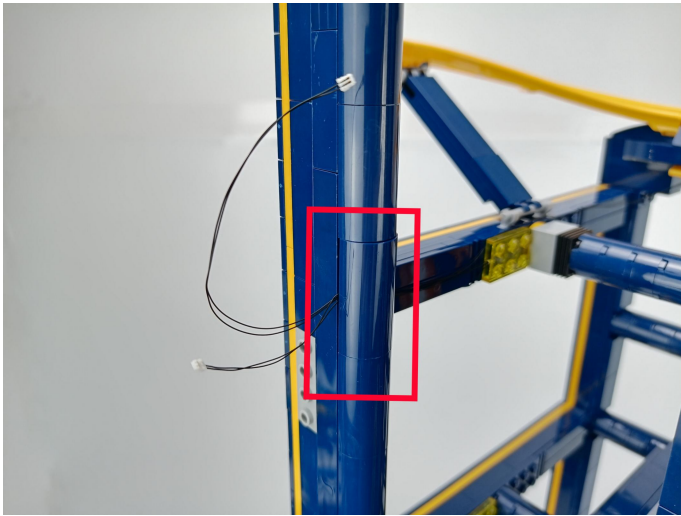
92



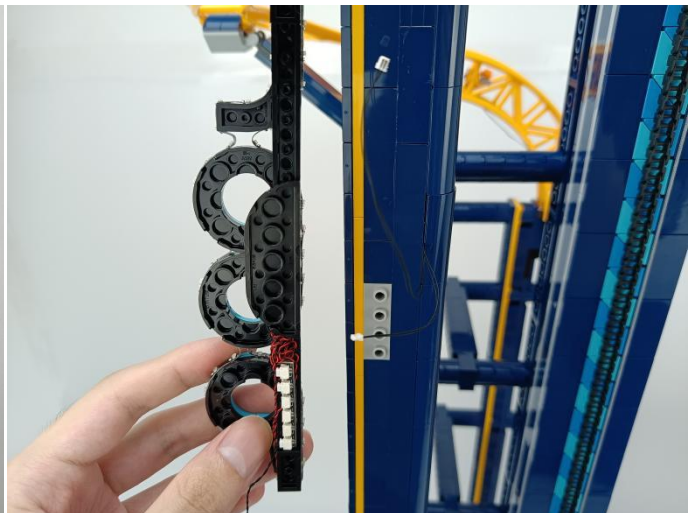
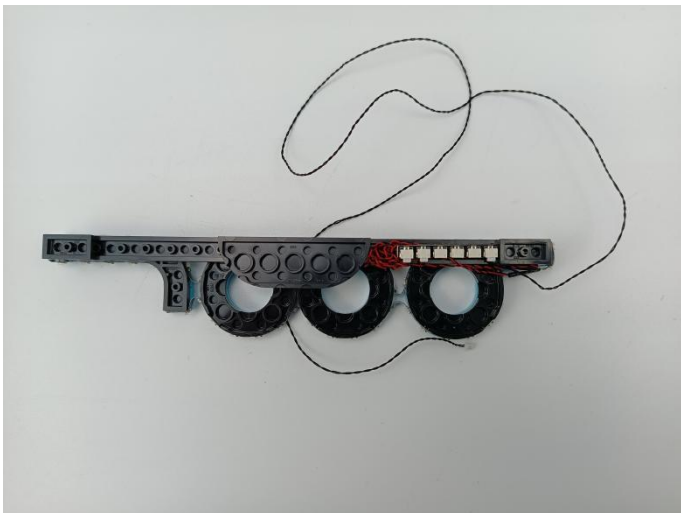
93



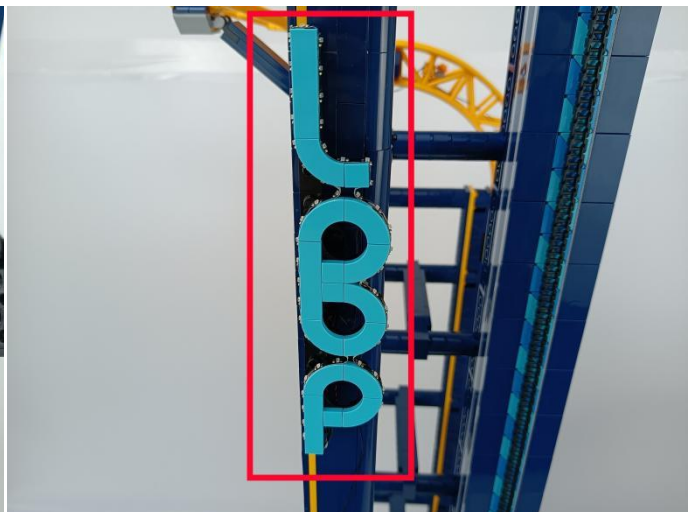
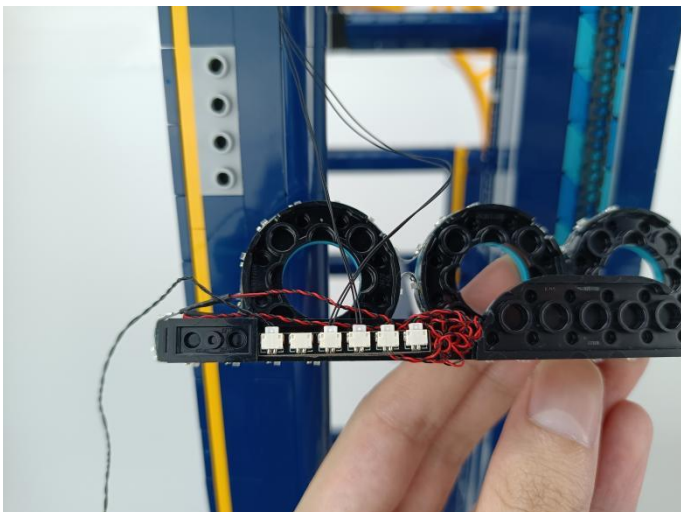
Put the lighting wire between the bumps of the building block, restore the building block.



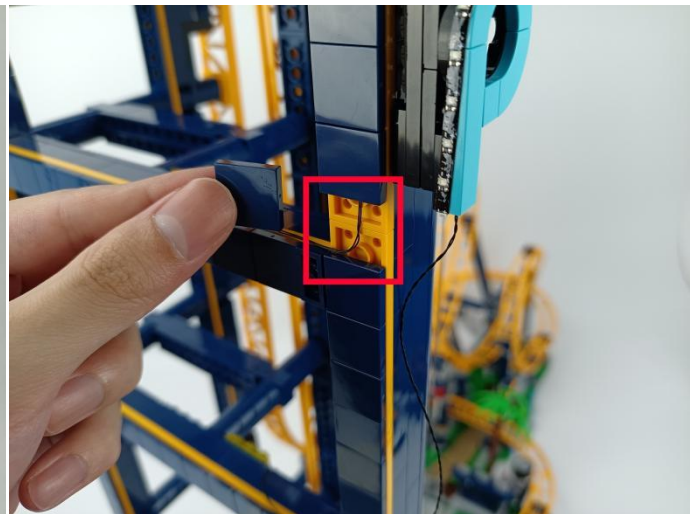
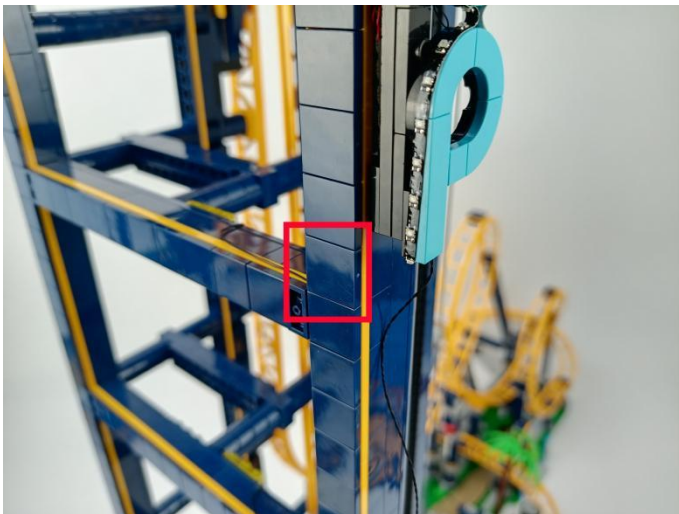
94



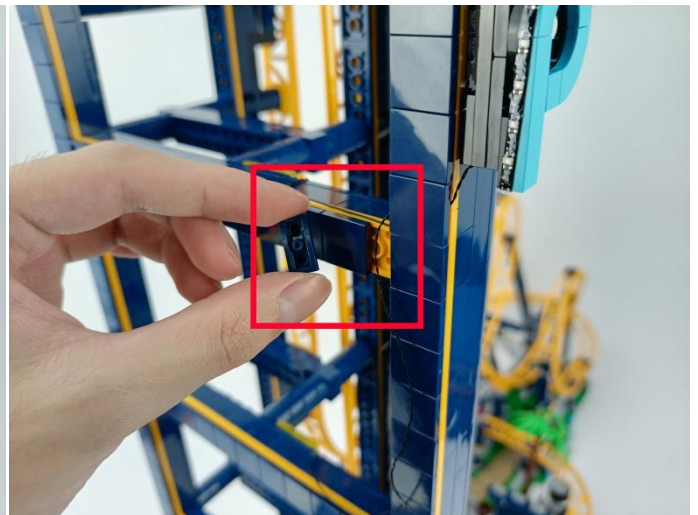
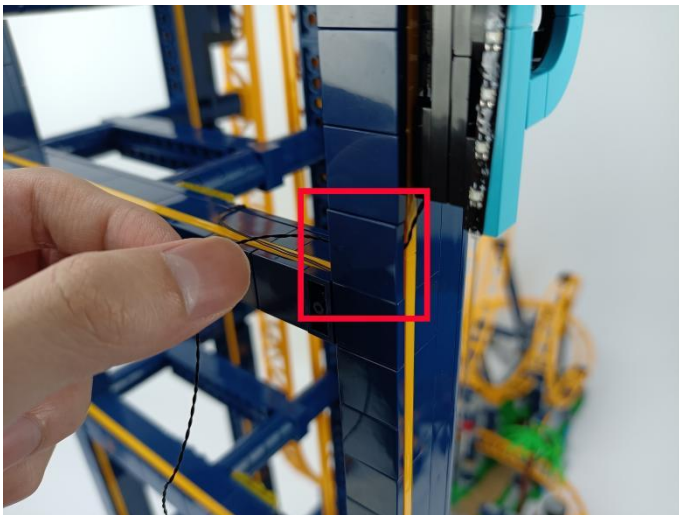
95



96



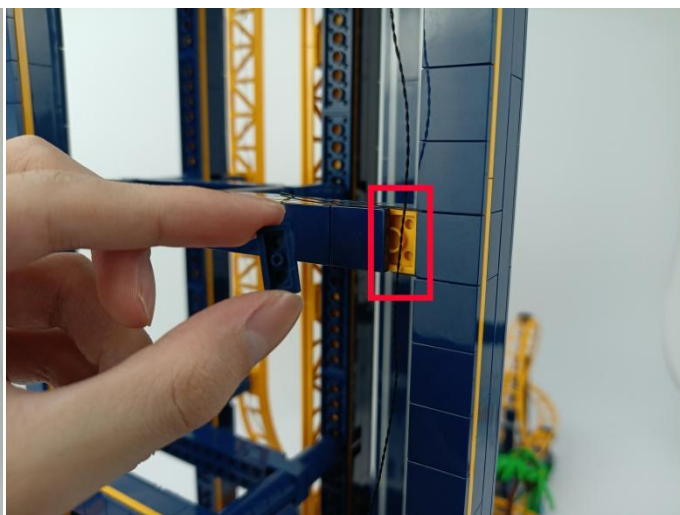
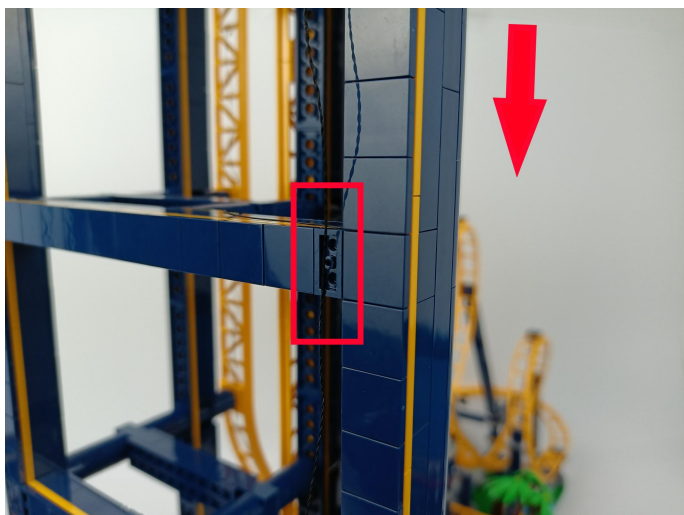
97



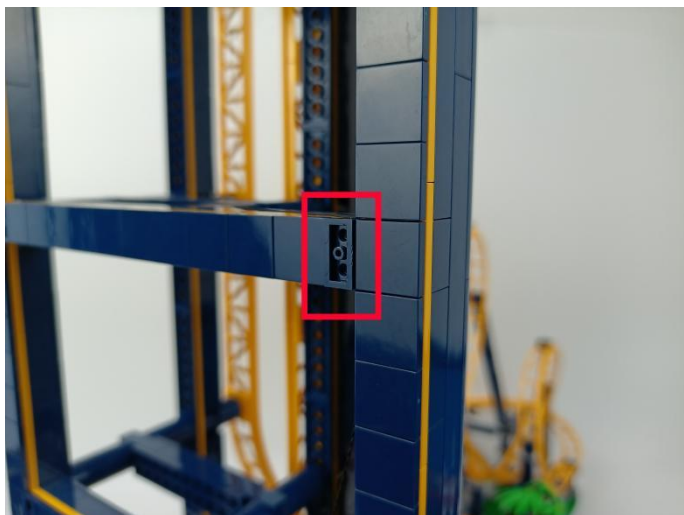
98



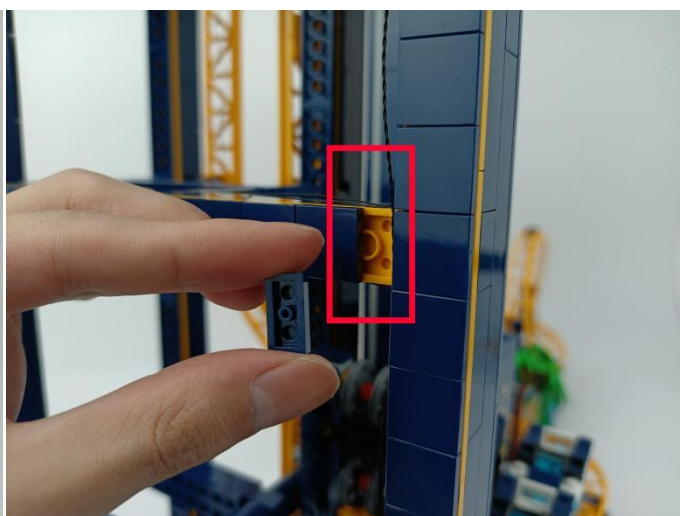
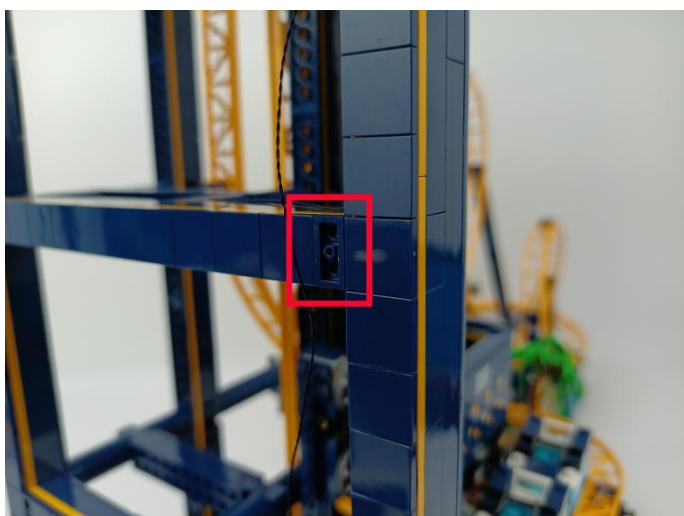
99



100



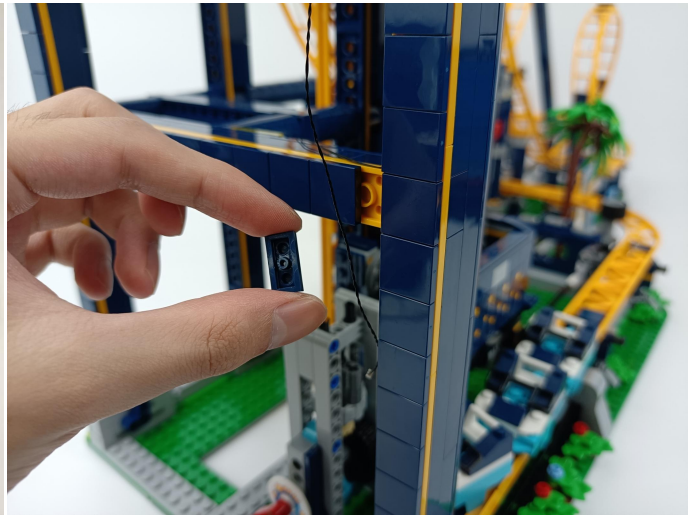
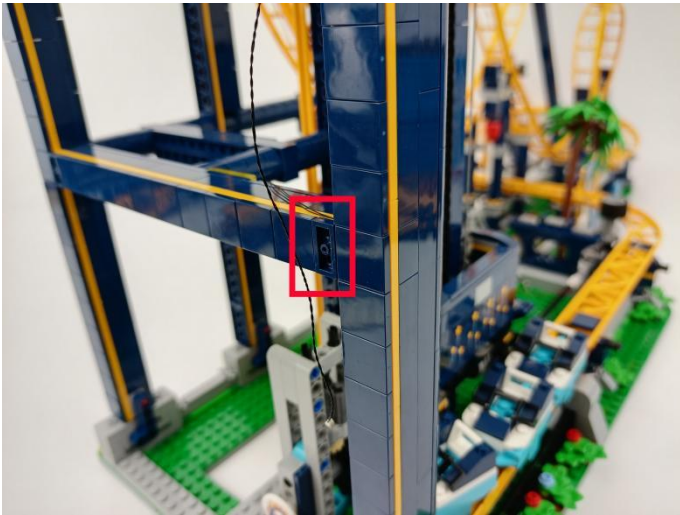
101



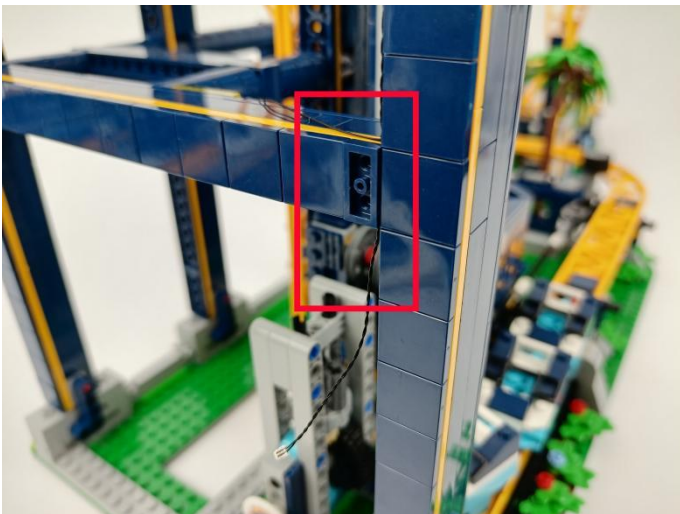
Restore the building blocks and place the connecting line at the bottom.



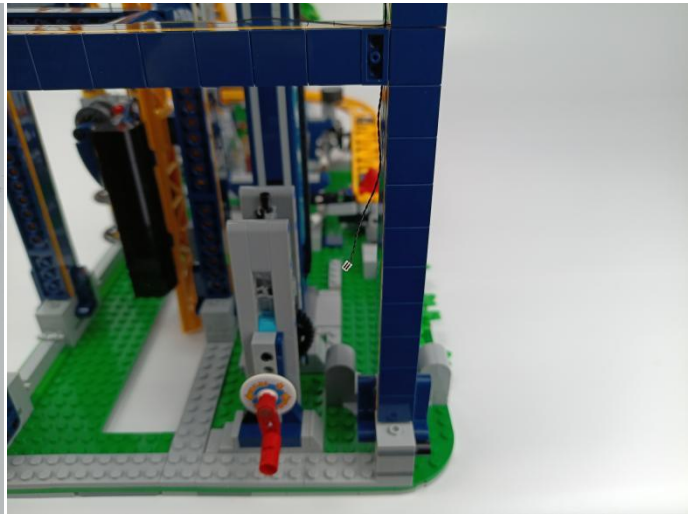
102



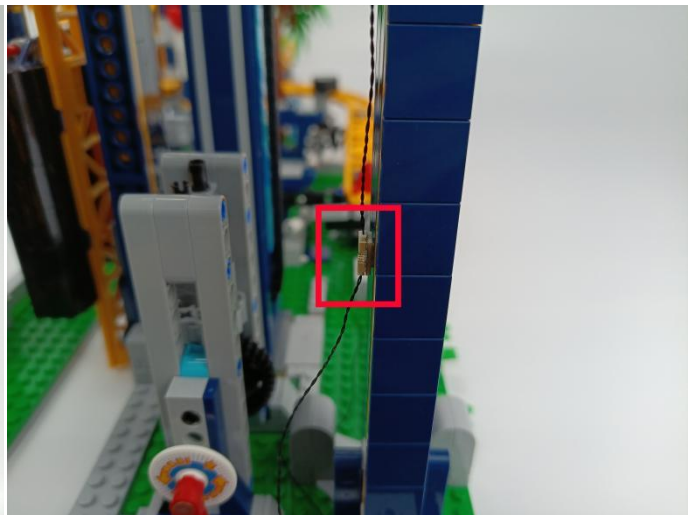
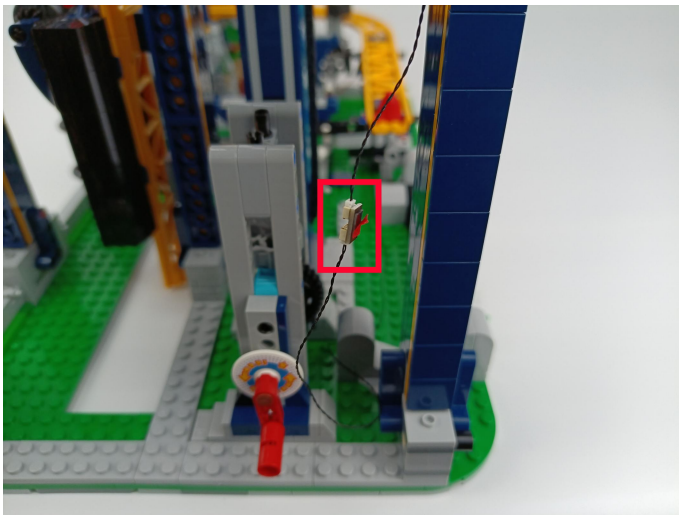
103



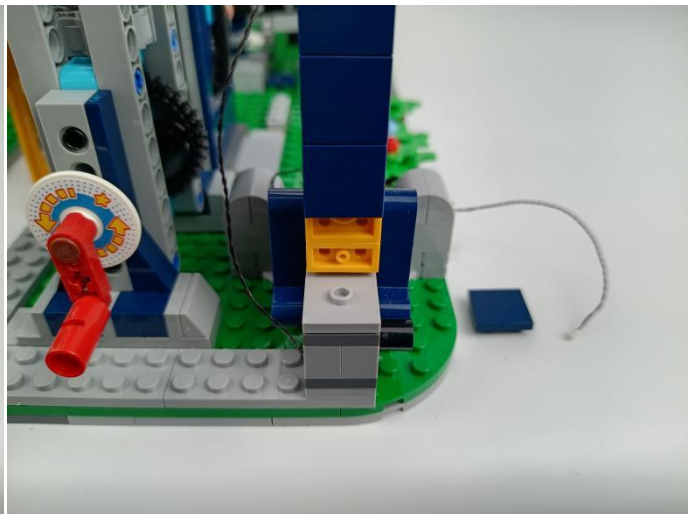
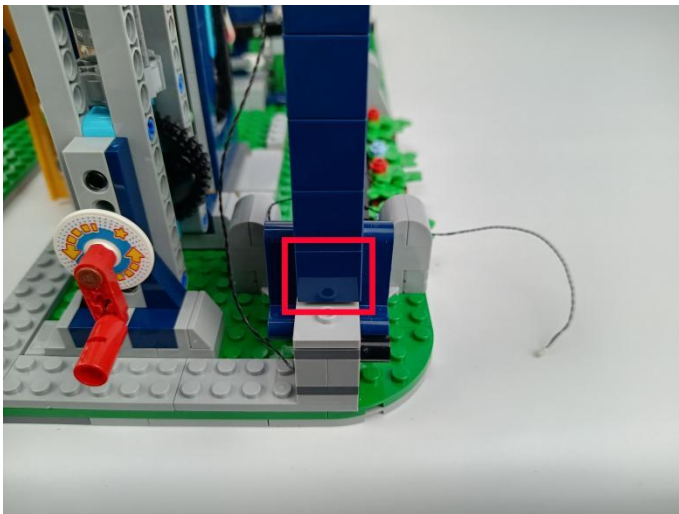
104



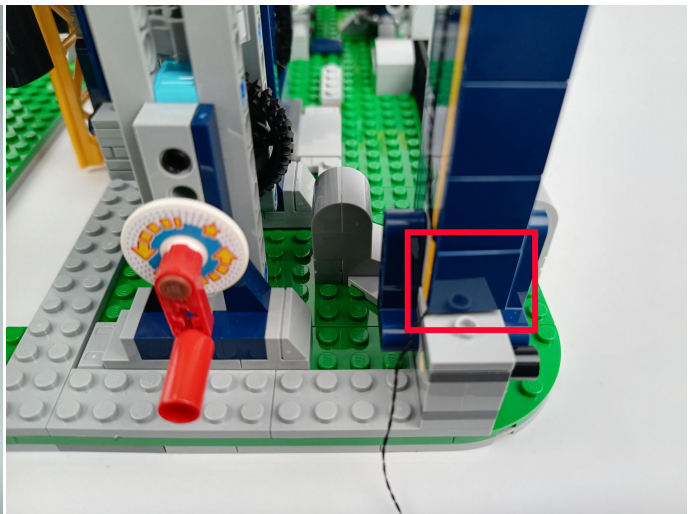
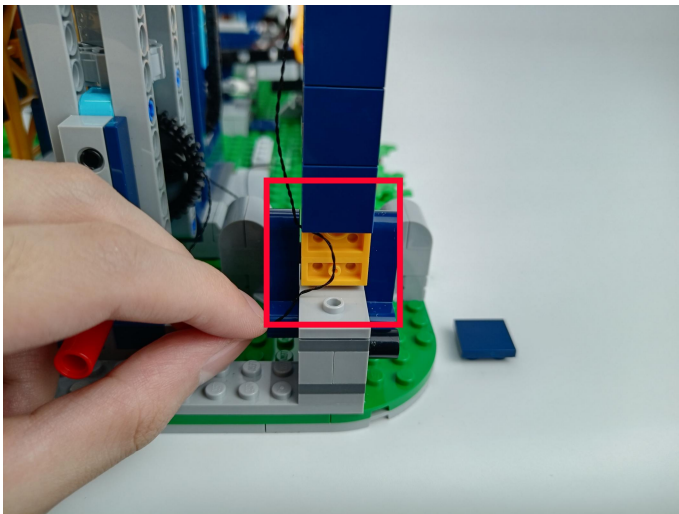
105



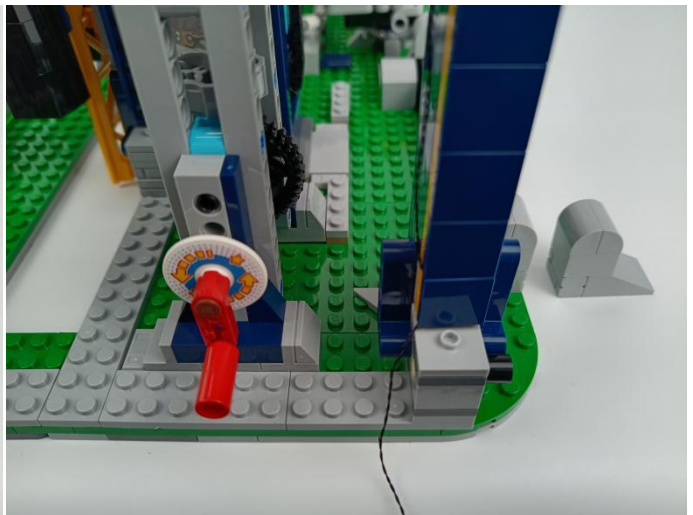
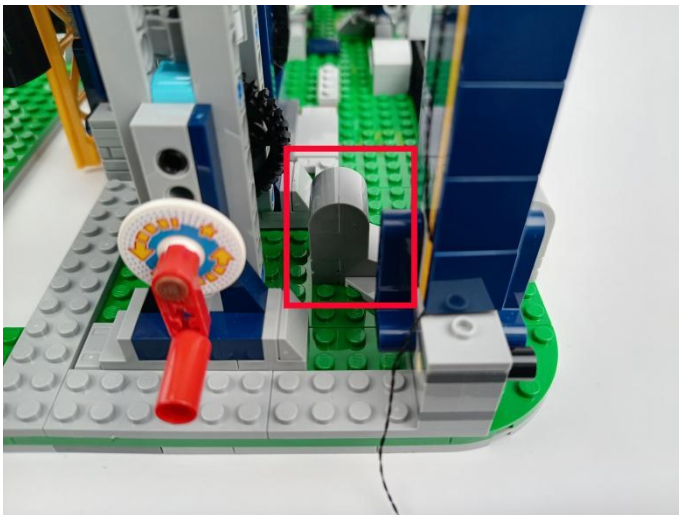
106



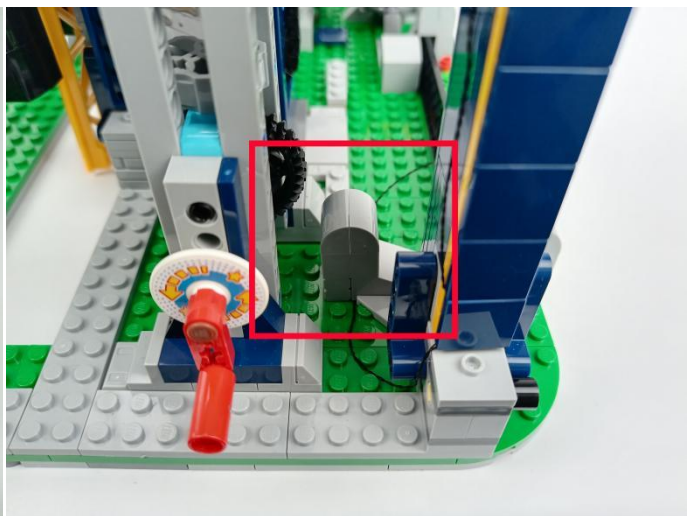
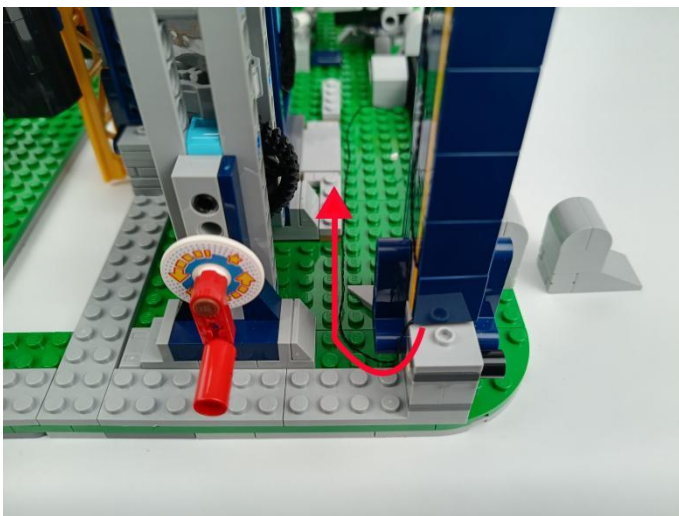
107



108



109





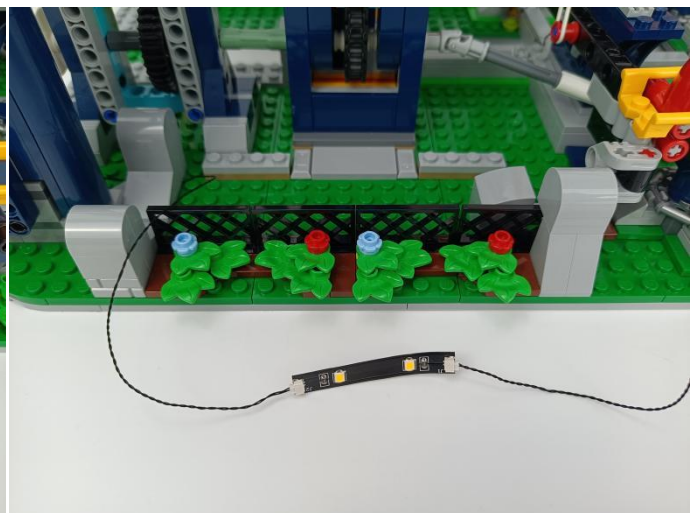
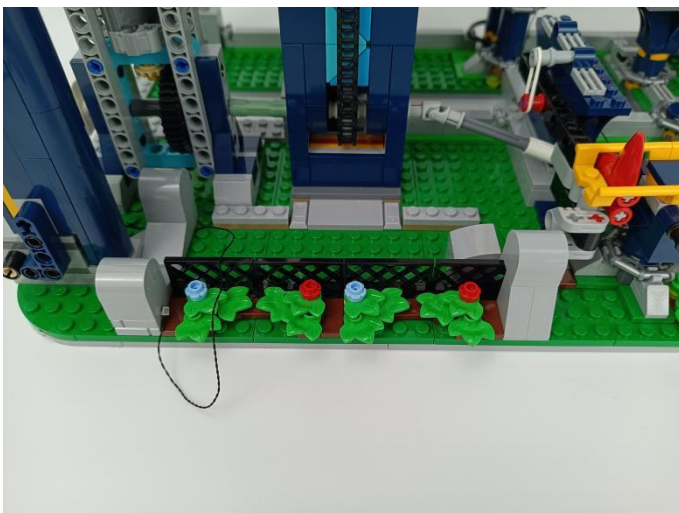
110



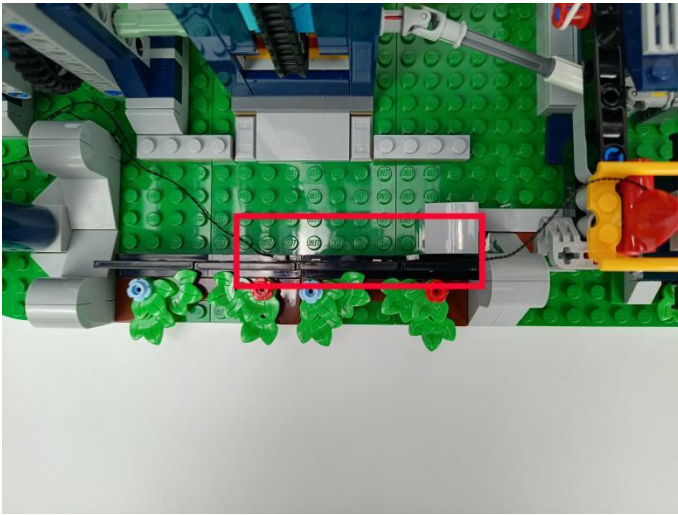
111



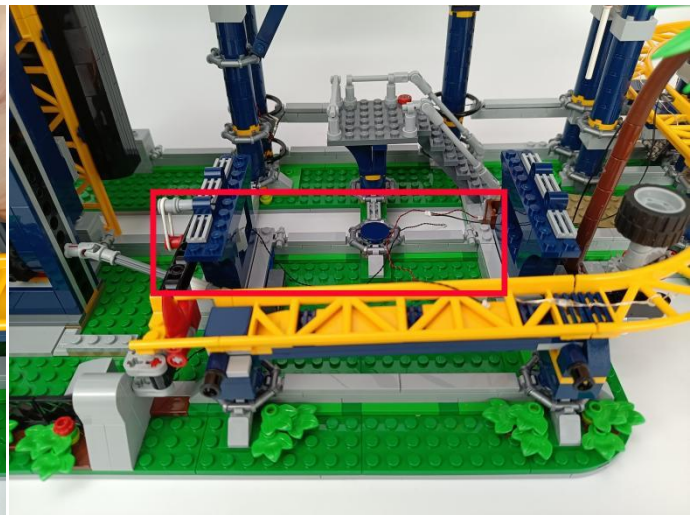
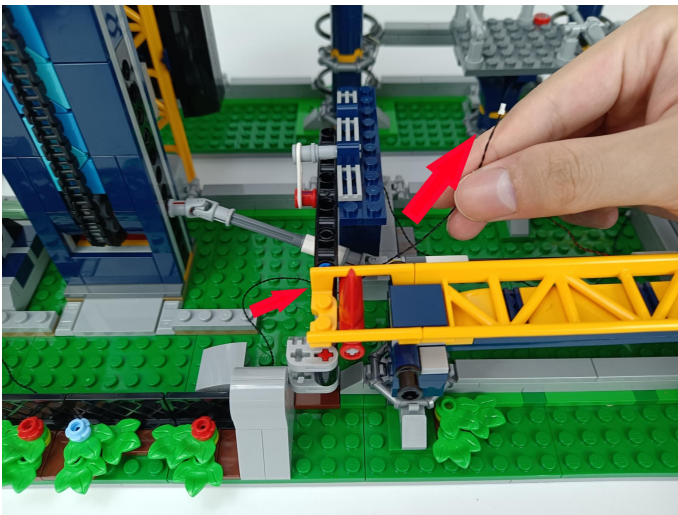
112



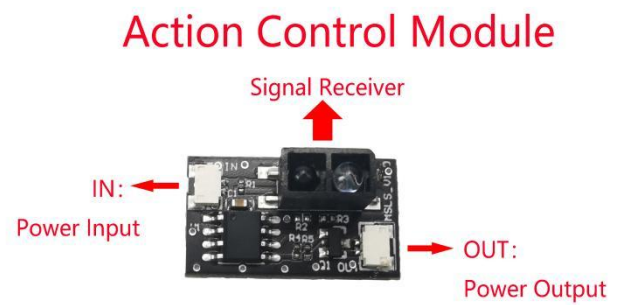
# 113



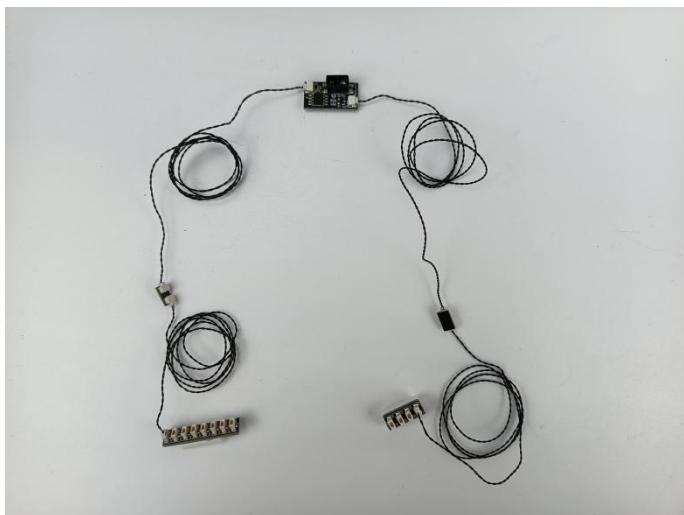
# 114



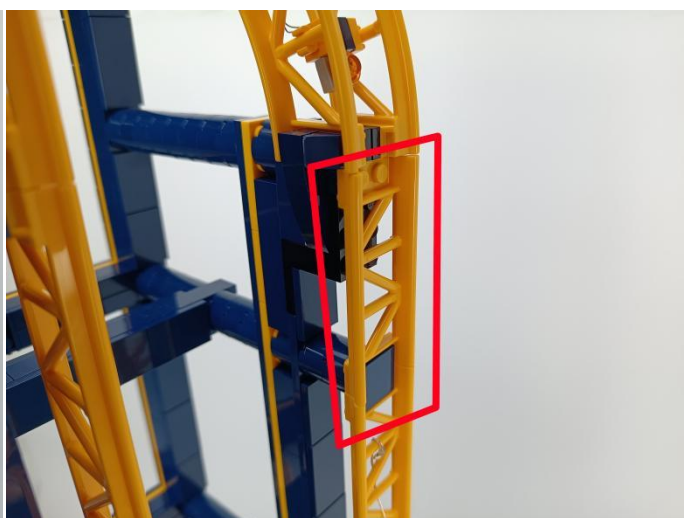
# 115



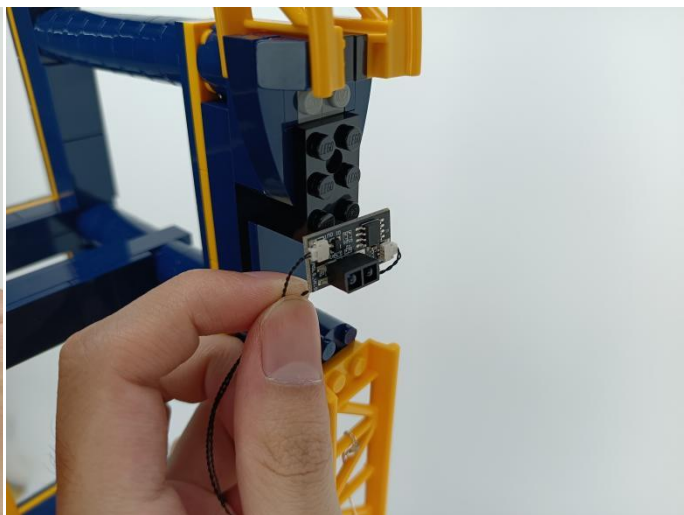
- When the obstruction generate a reflected signal, the corresponding module can be turned on or off.
- TIPS: 1. The range of signal reception within 10cm of the vertical "signal receiver".
2. The frequency of objects passing through the "signal receiver" cannot be too high or the uncontrollable situations will occur.
3. The overall module is still working and consuming power even if the module is turned off. please turn off the power on the battery box or power bank If the light no longer be needed. please replace the power supply and try again If the light does not work for a period of time.



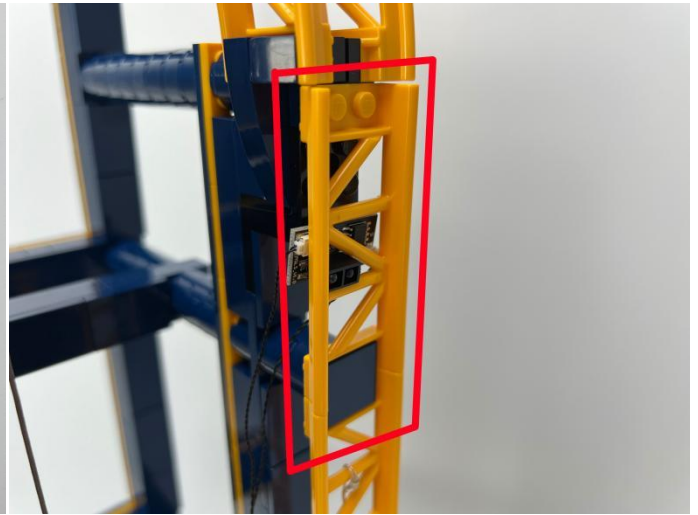
116



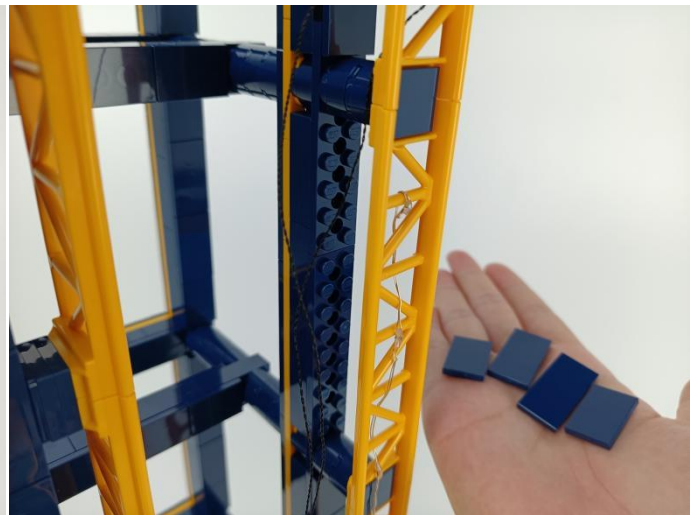
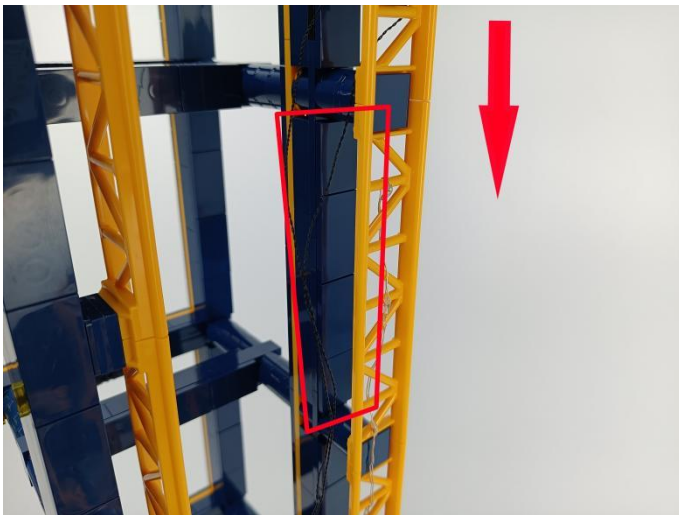
117



118



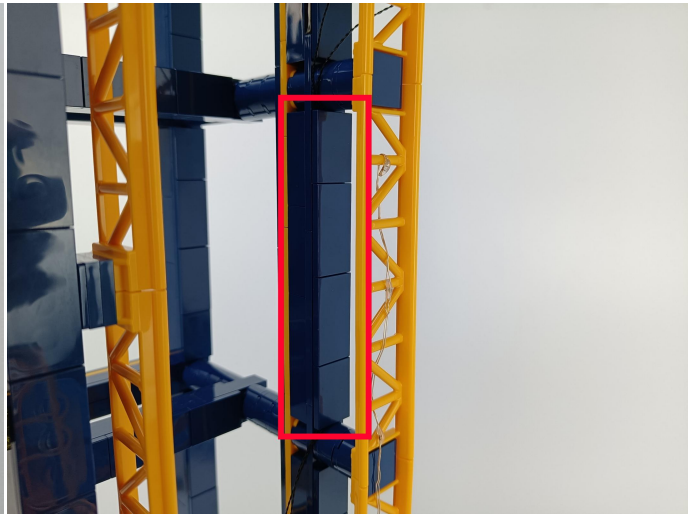
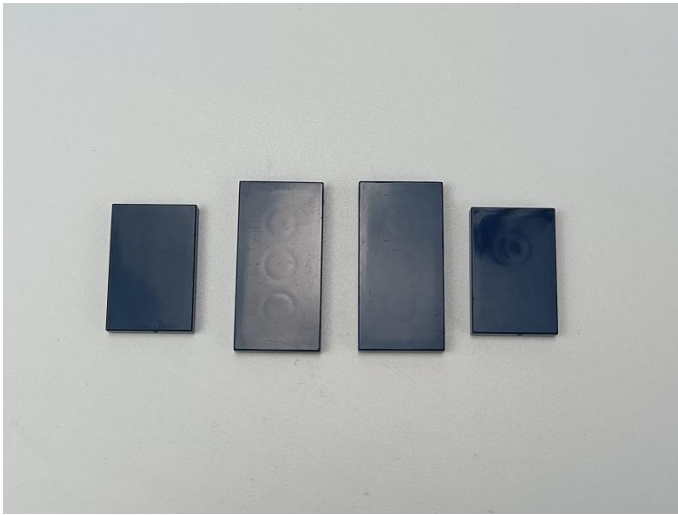
119



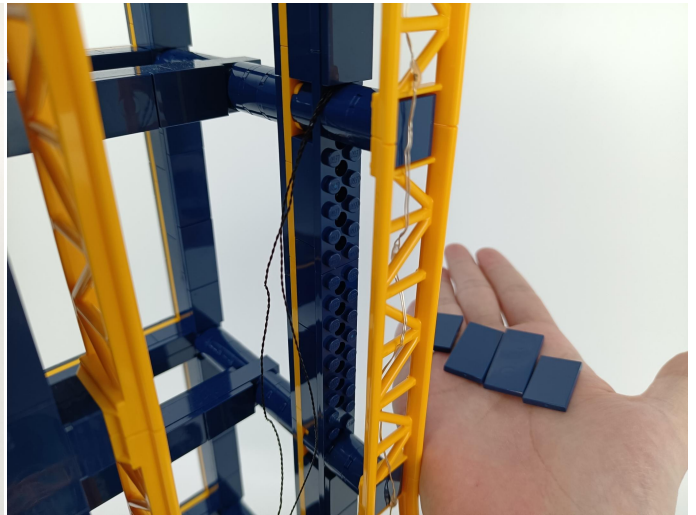
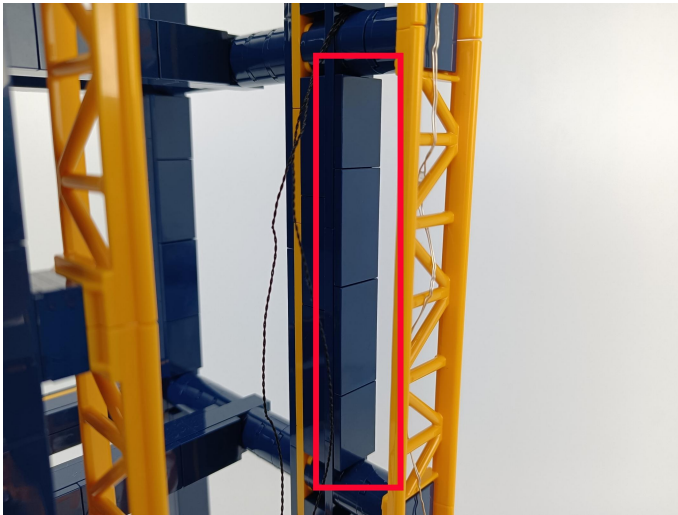
120



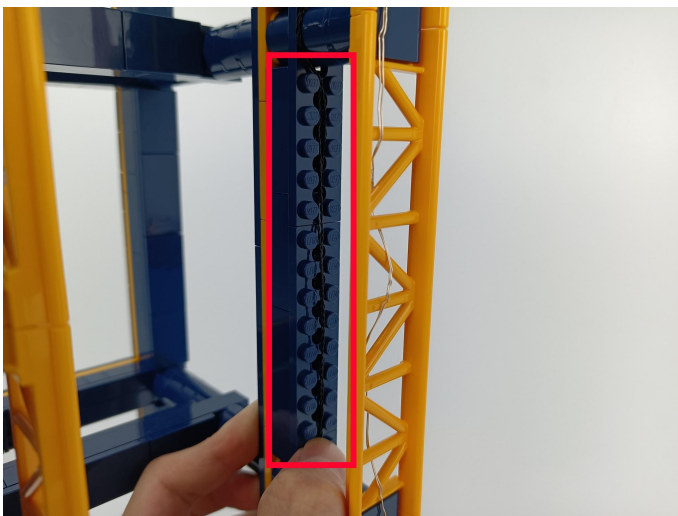
121



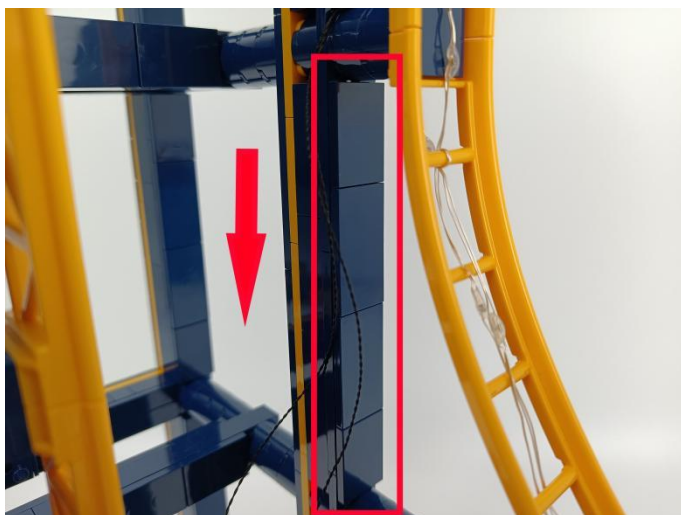
look down.



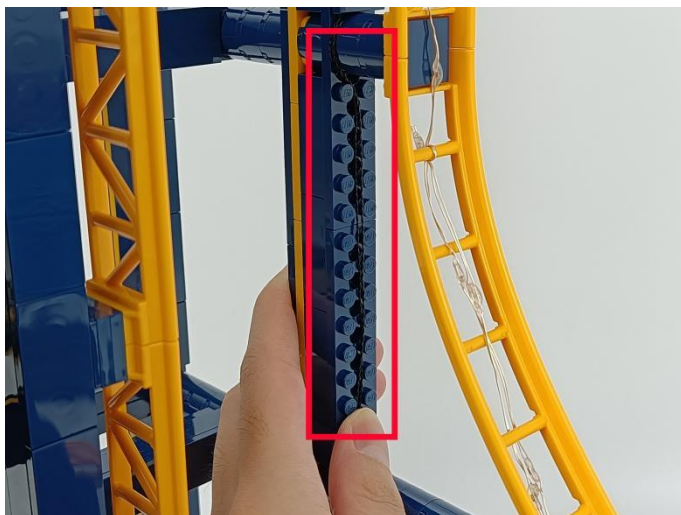
122



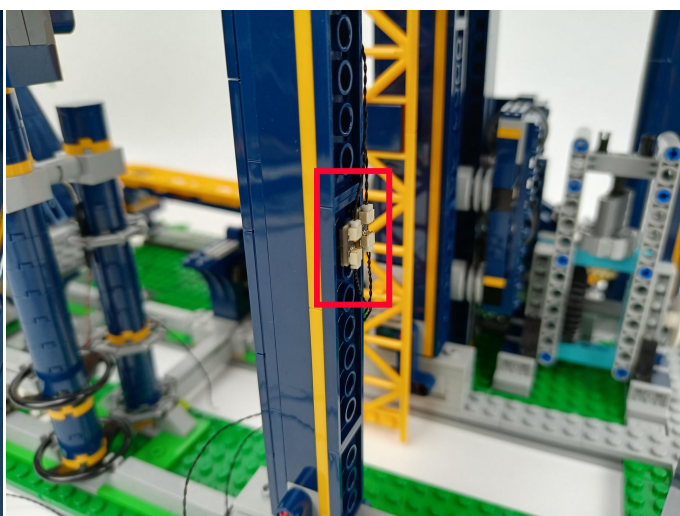
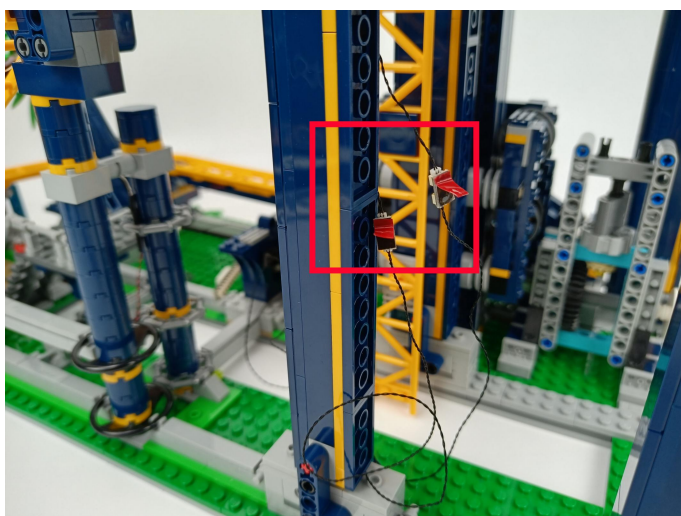
look down.



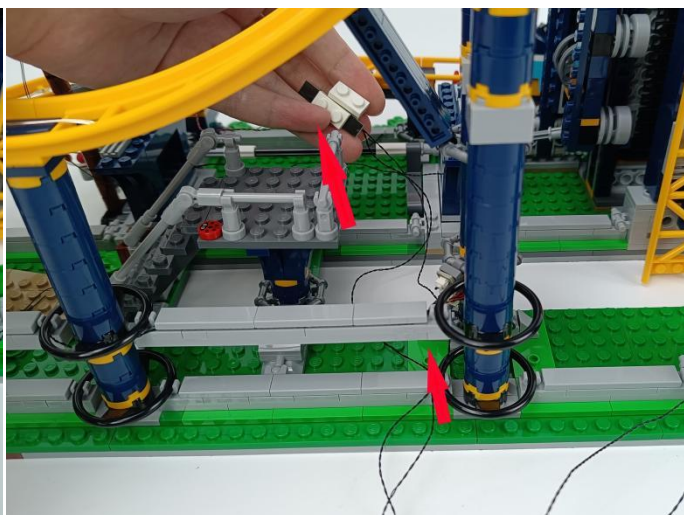
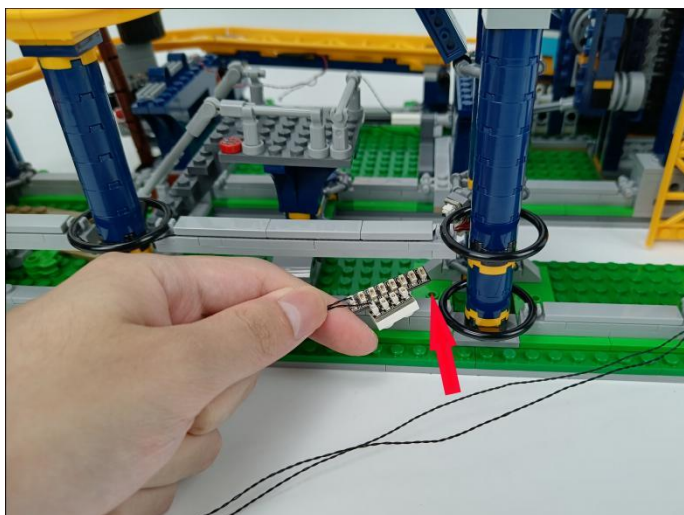
123



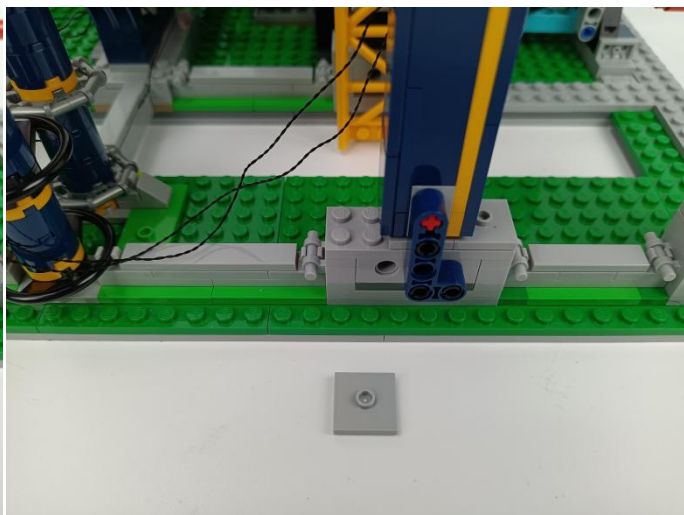
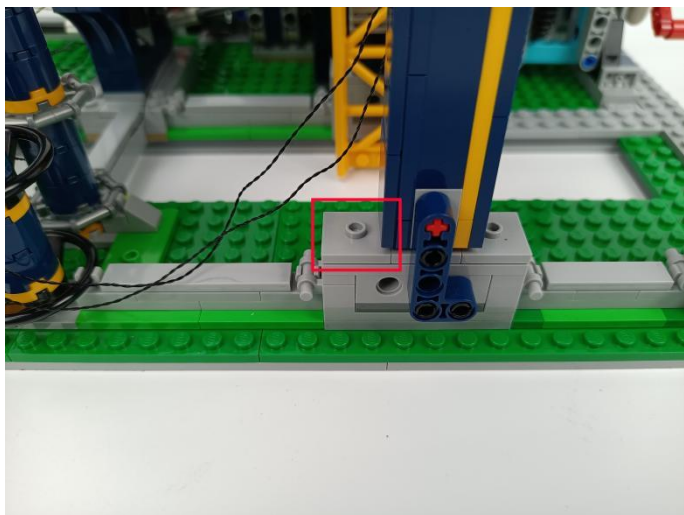
124



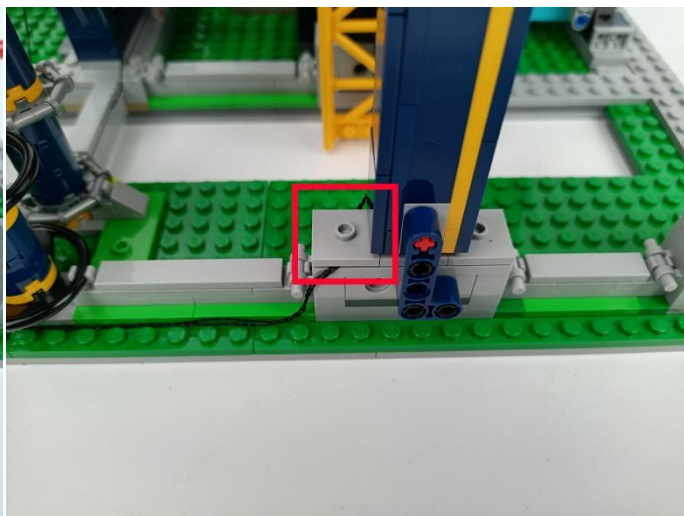
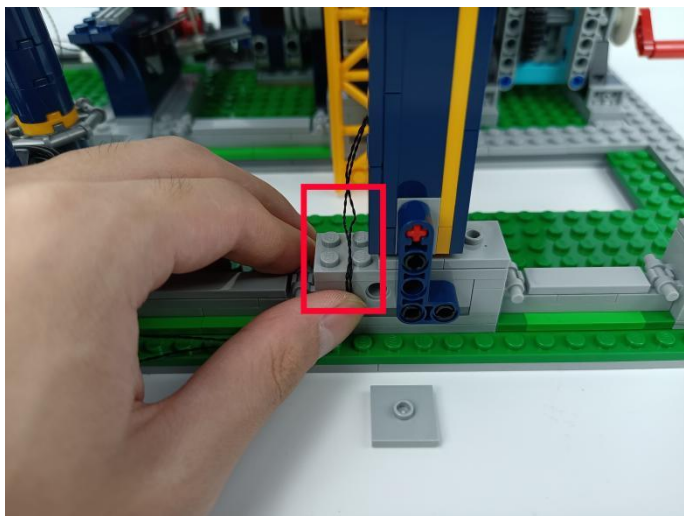
125



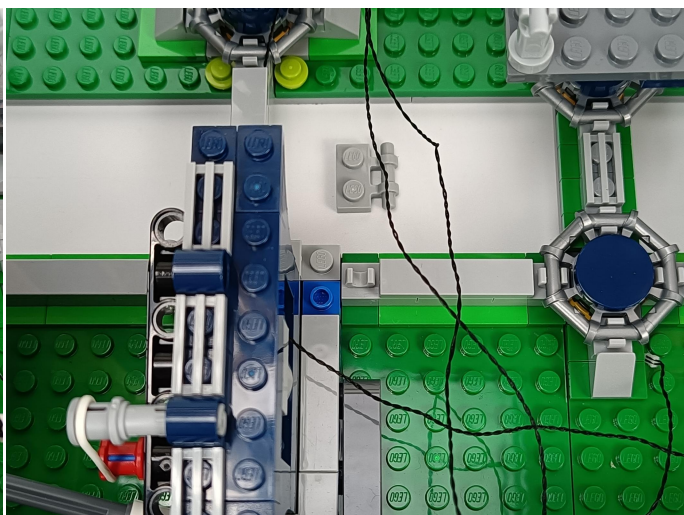
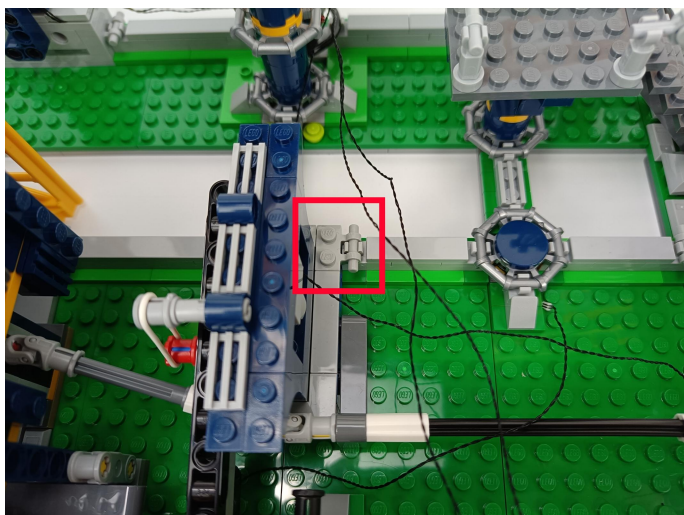
126



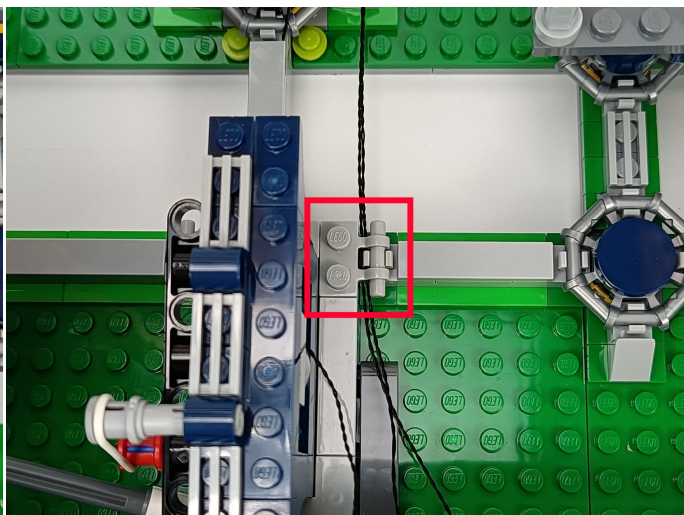
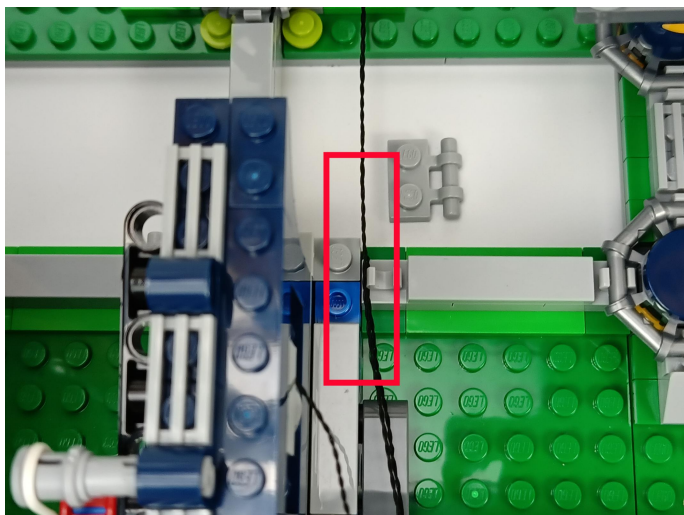
127



128



129

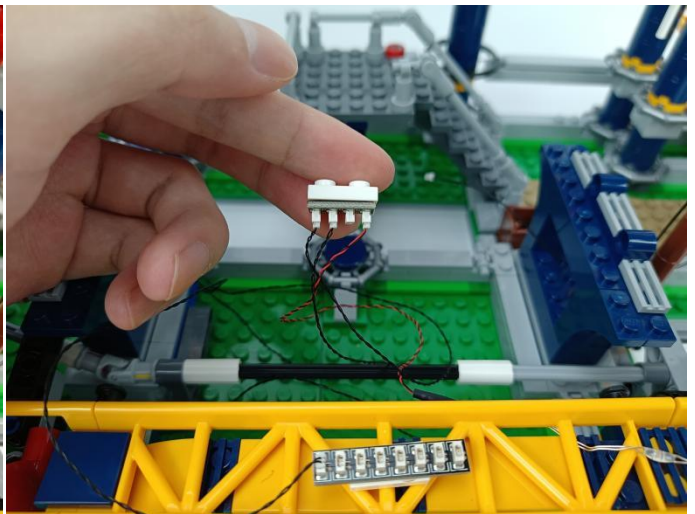
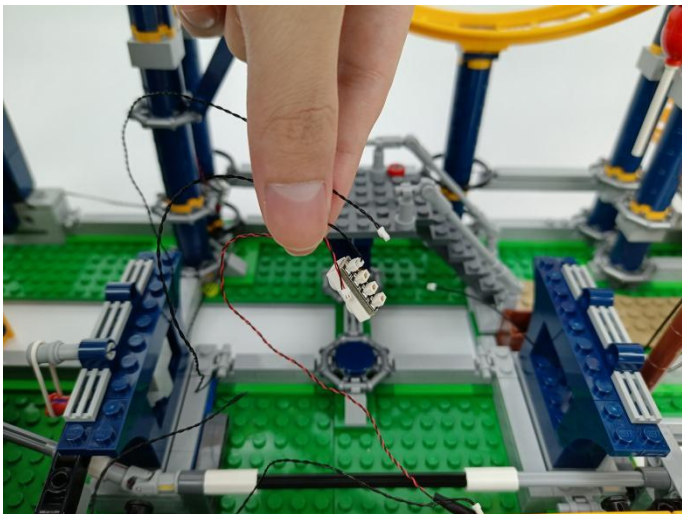


130

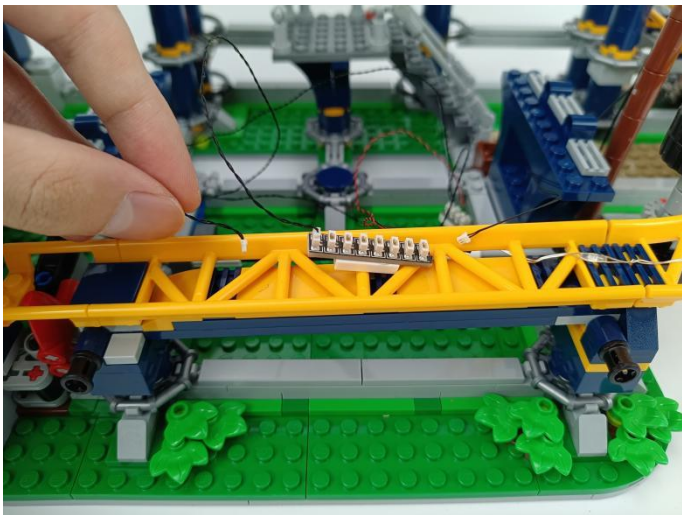




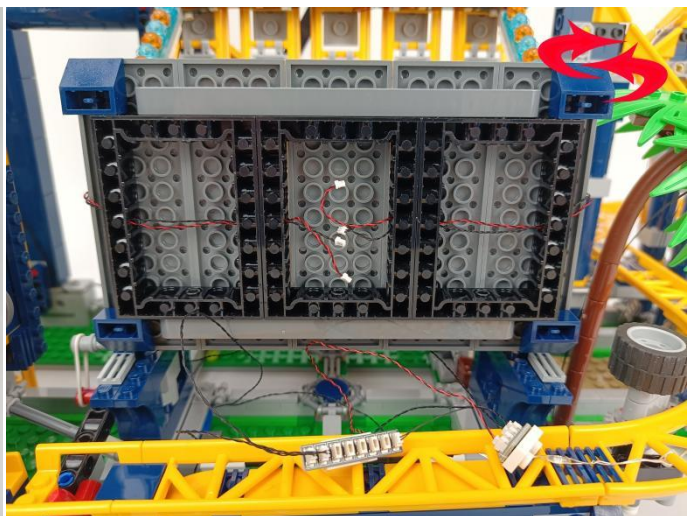
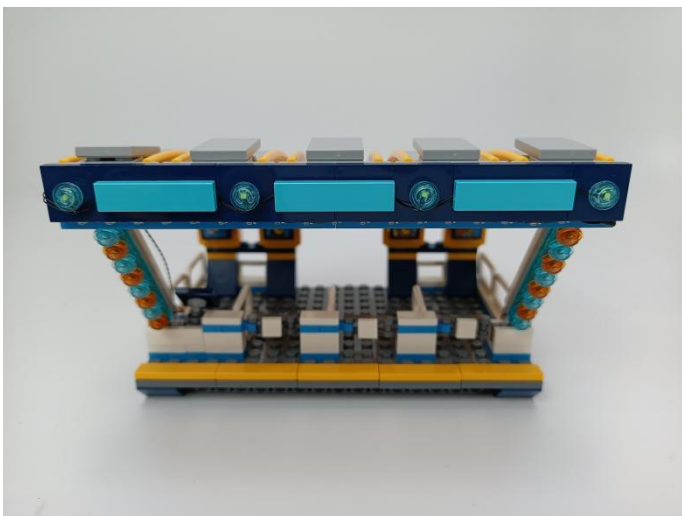
131



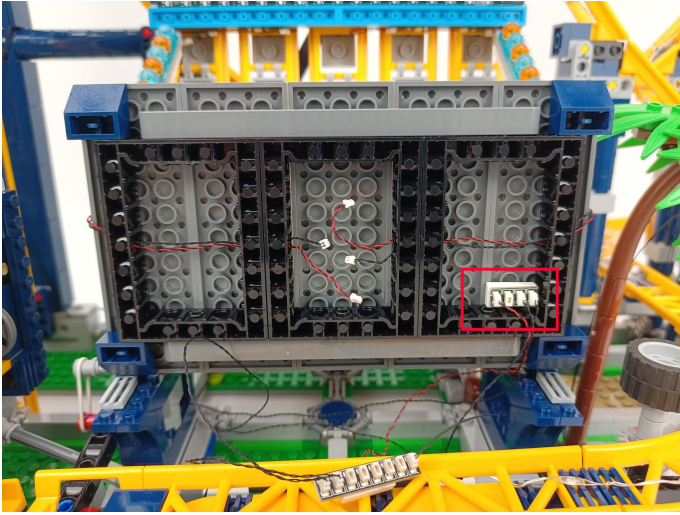
132



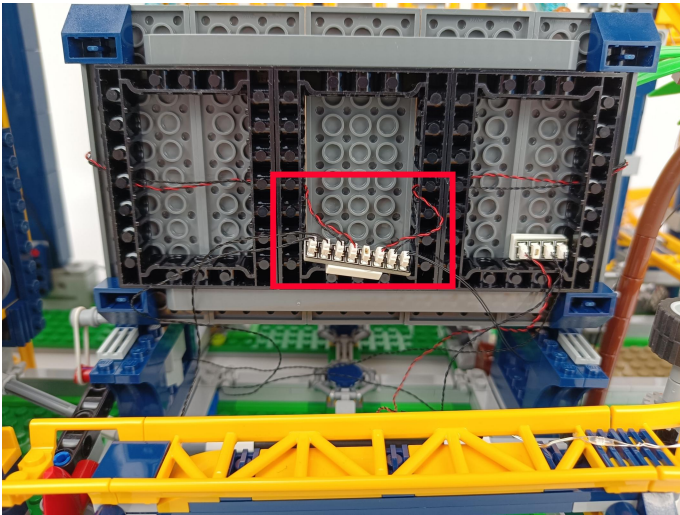
133



134



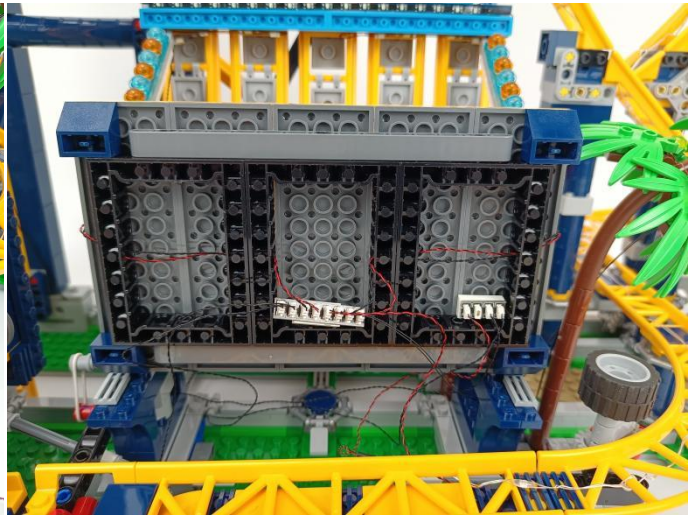
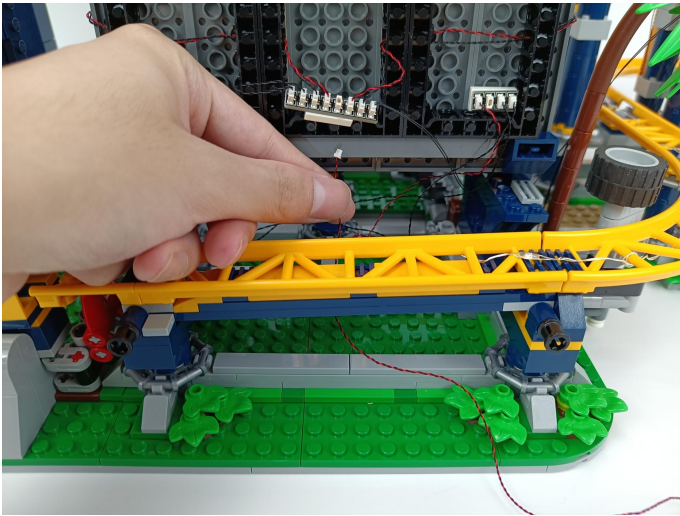
Connect all the light wires in the middle to the expansion board.



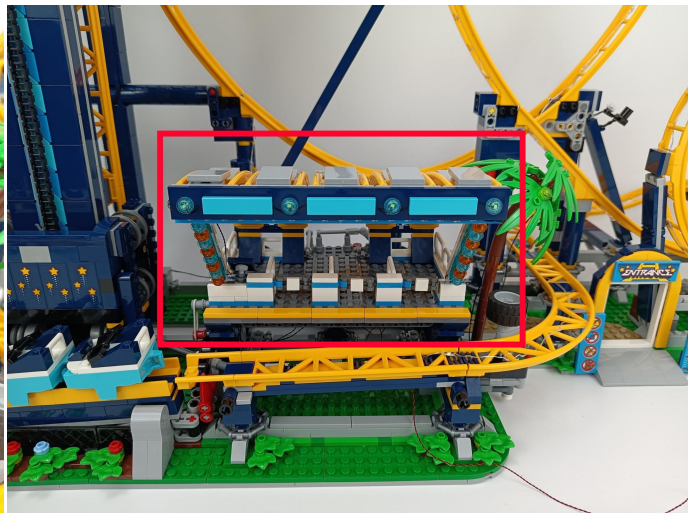
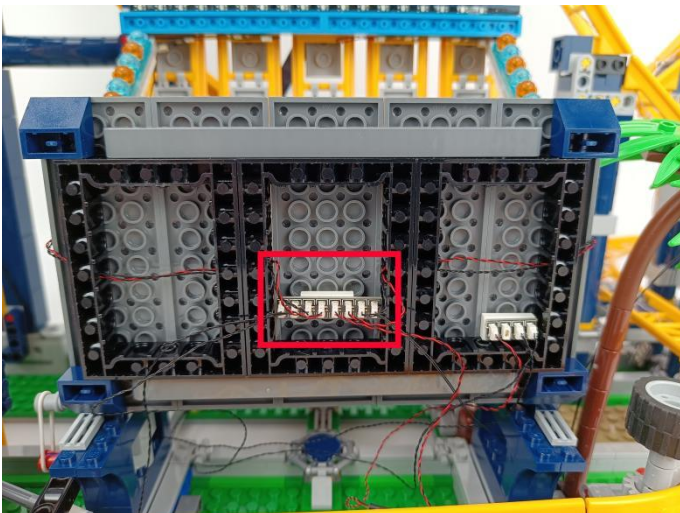
135



Thread the USB power cable through the bottom of the rail and connect it to the expansion board.



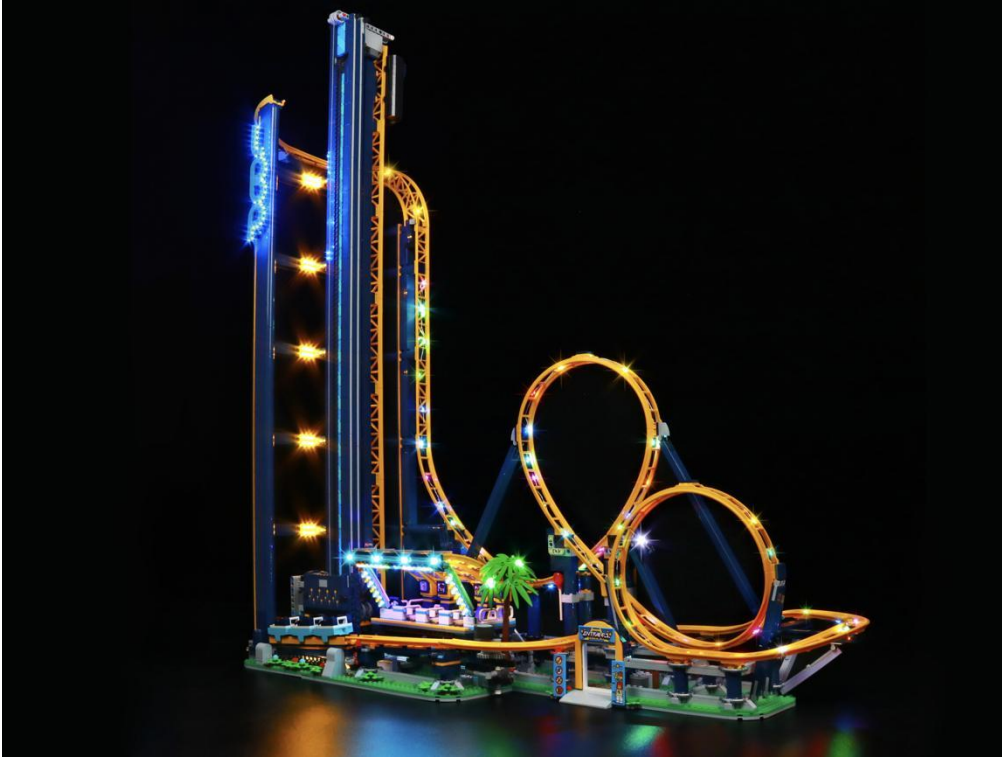
136



137



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



**The battery box in bag NO.9 can also power the set. If it is necessary to change the power supply , prepare three AAA batteries, install them in the battery box, turn on the switch on the battery box, remove the plug of the USB Power Cable from the socket of the expansion board,plug the plug of the battery box to the same socket in the expansion board to power the suit as well.**

**THANKS**