

# 10303 Loop Coaster GC306

- 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.

The remote control does not contain batteries, please buy a CR2025 or CR2032 button battery in the nearest store and install it in the remote control.





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

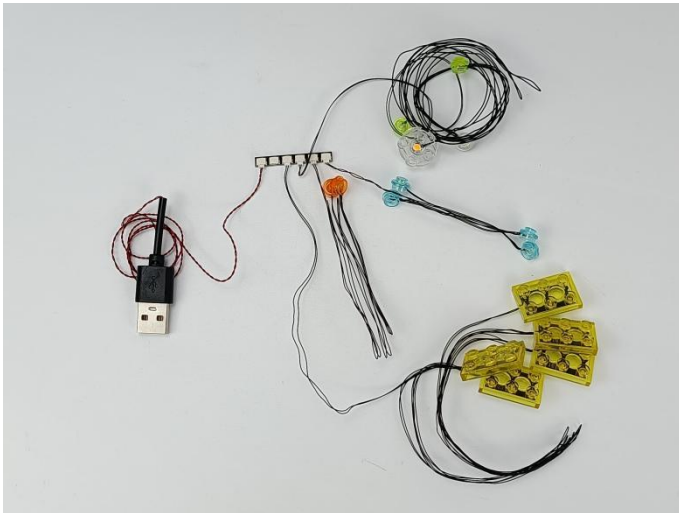
Take out the Expansion Board and the USB Power Cable from No. 7 bag and No.9 bag.



Connect the Expansion Board and USB Power Cable as shown.

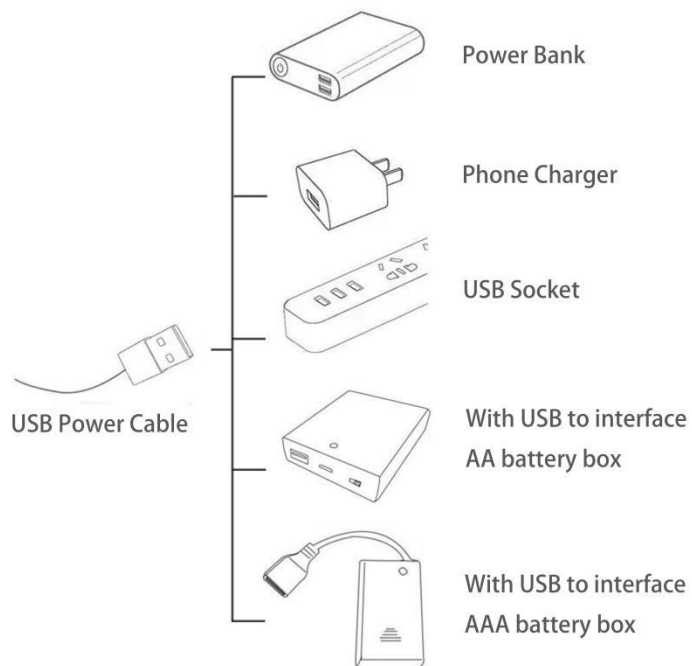


**Connect all the components in No.1 bag,No.2 bag,No.3 bag,No.4 bag to the Expansion Board in same way just as shown.**



**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.**



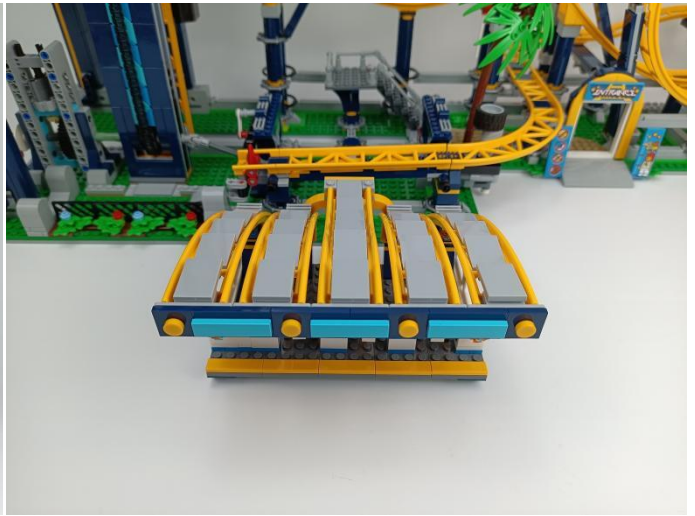
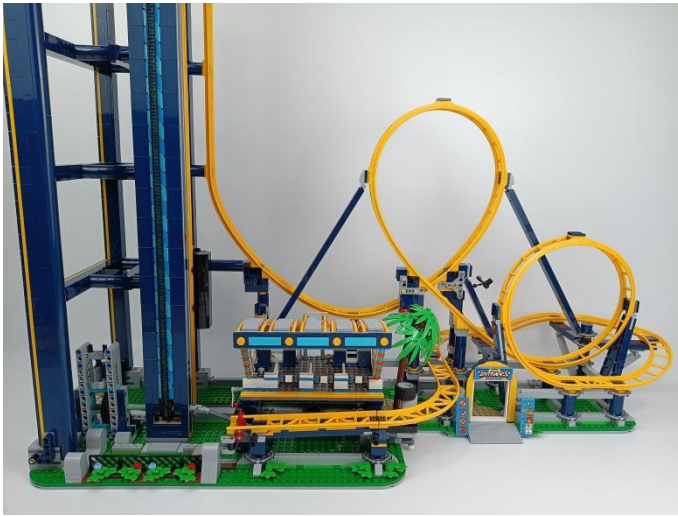
**Unplug these four components and put them back in the corresponding bags. There are five in bag NO.5, seven in bag NO.6, three in bag NO.7 need to be tested.**

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

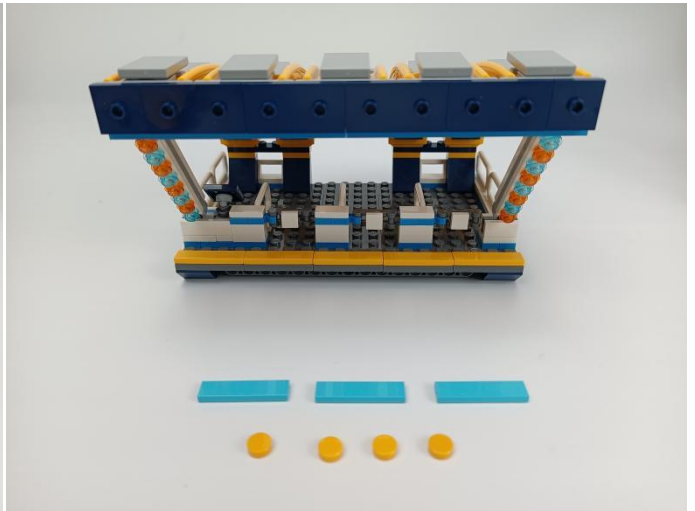
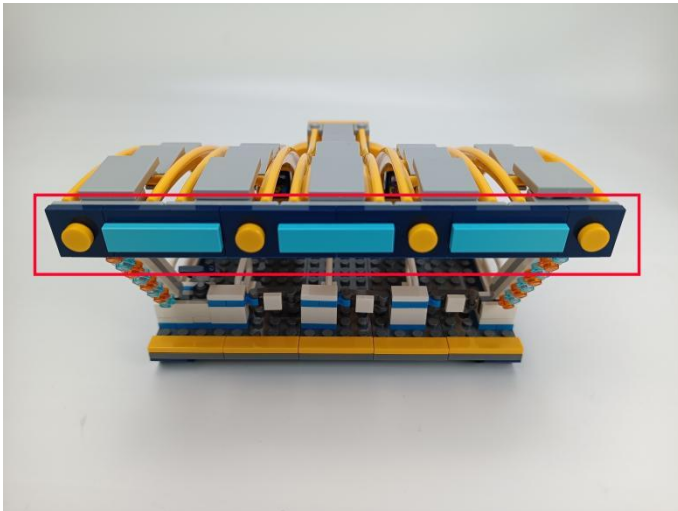
**Please contact us immediately if any components don't work.**

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

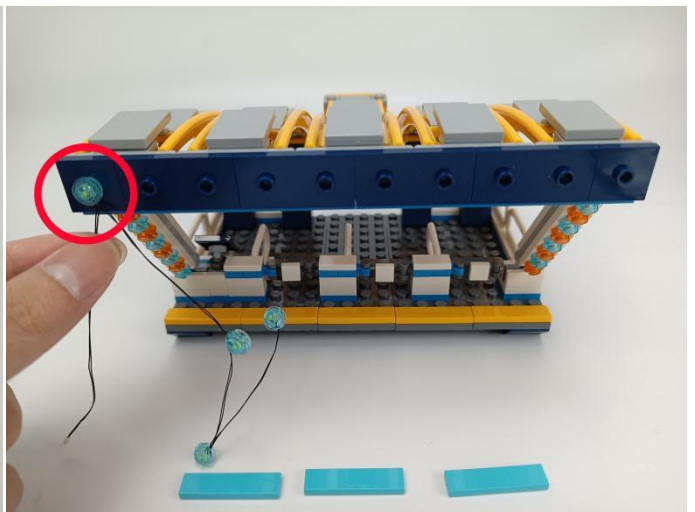
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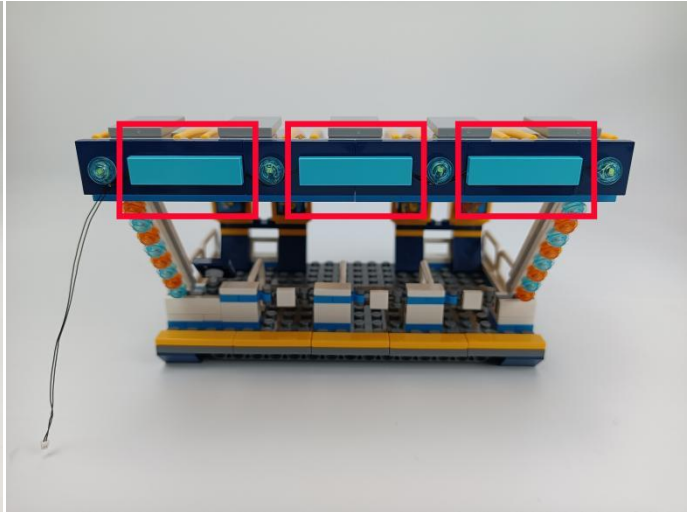
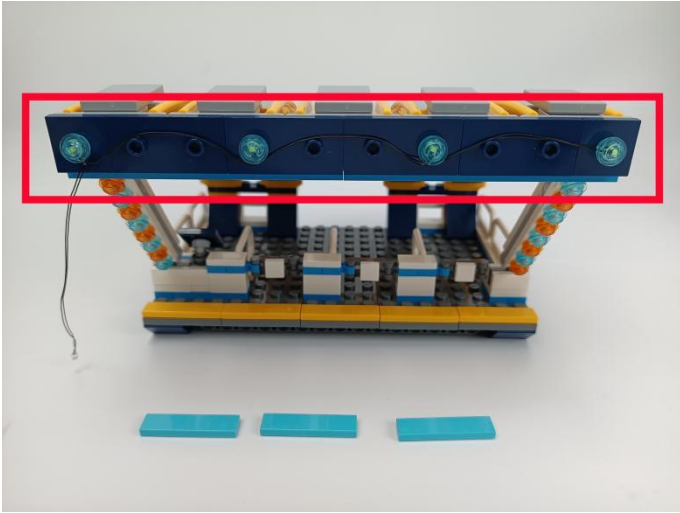


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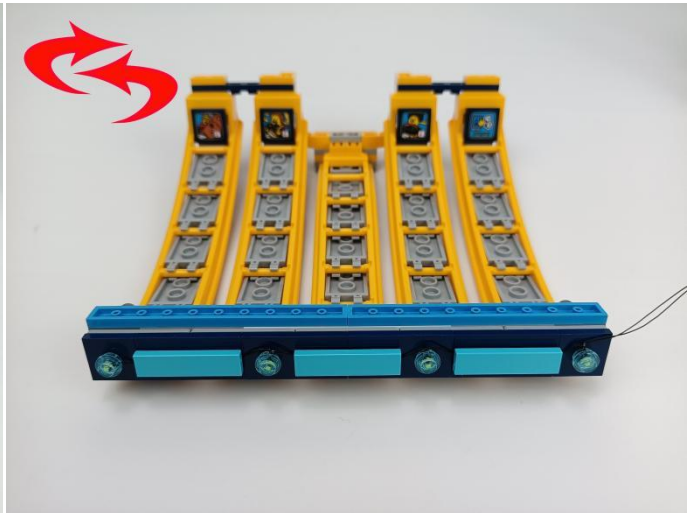
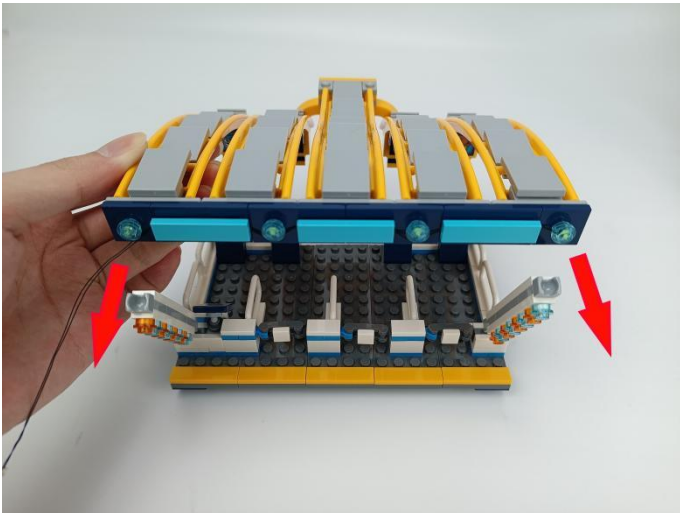




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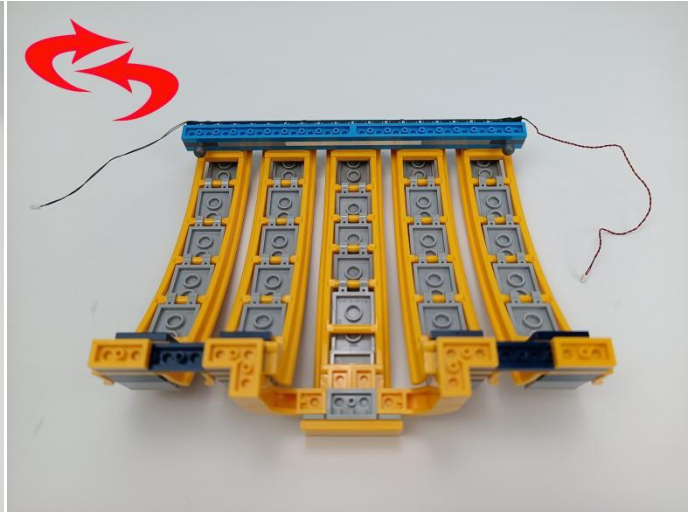
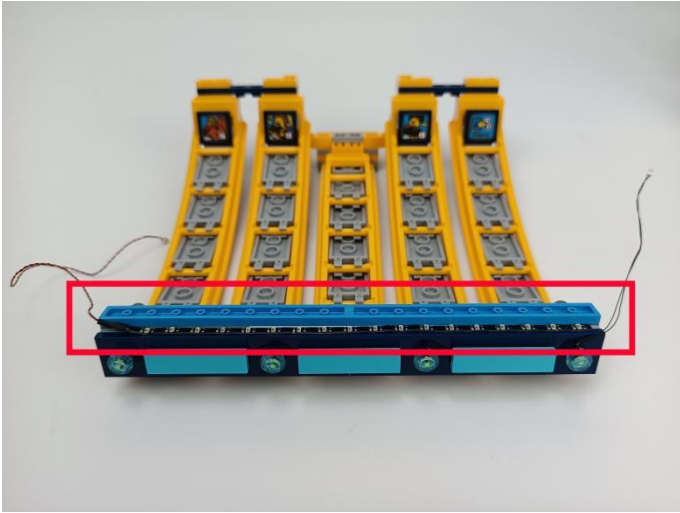
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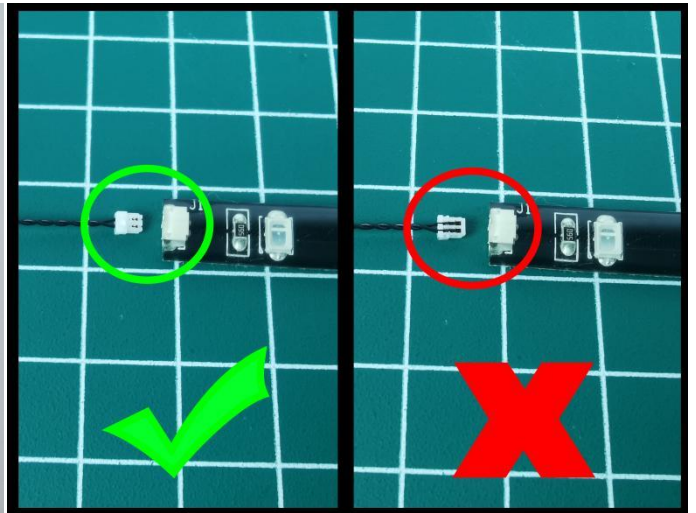
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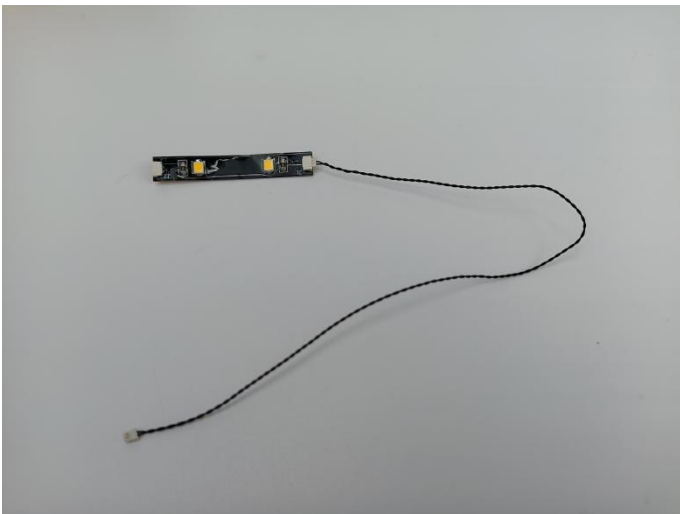
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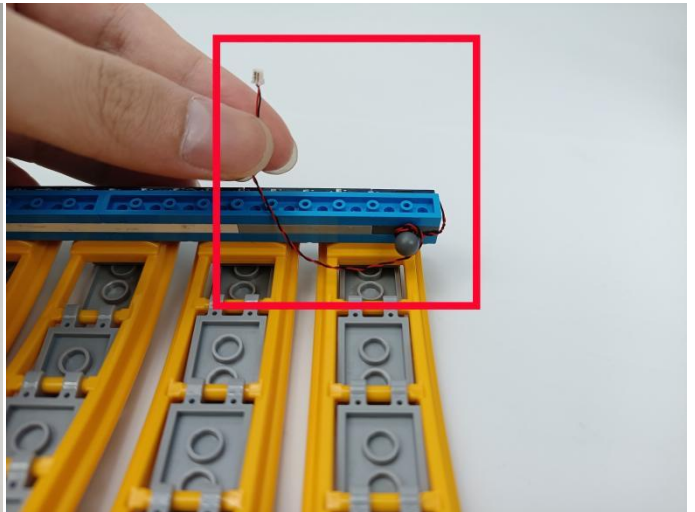
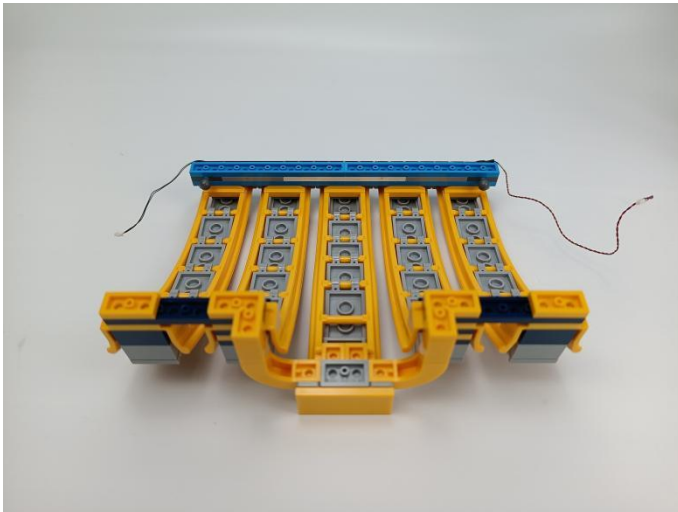
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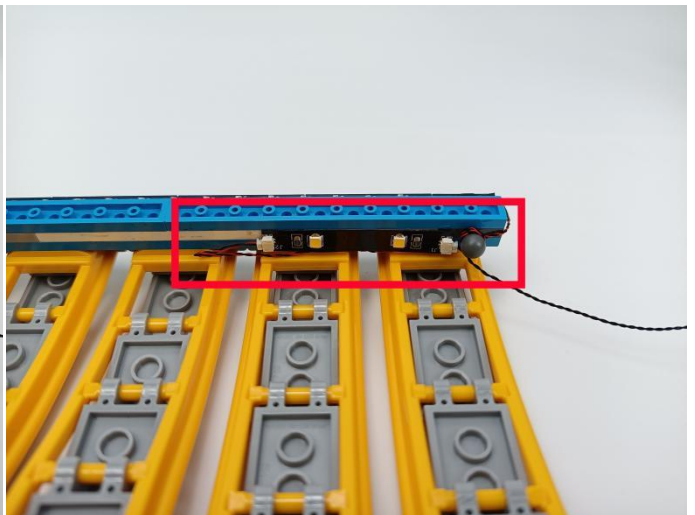
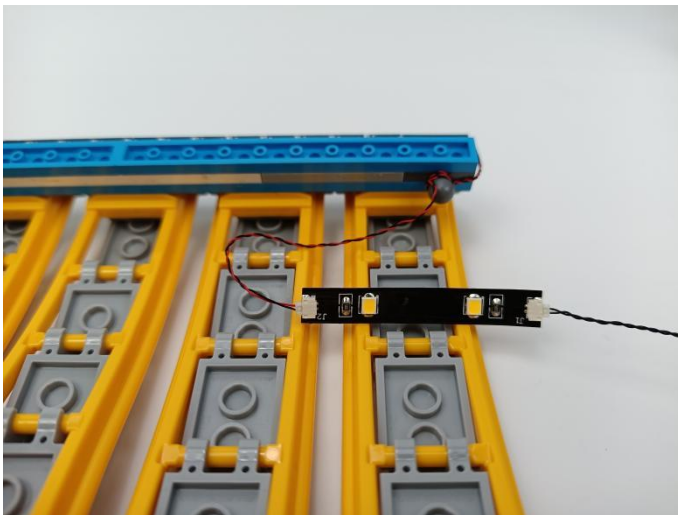
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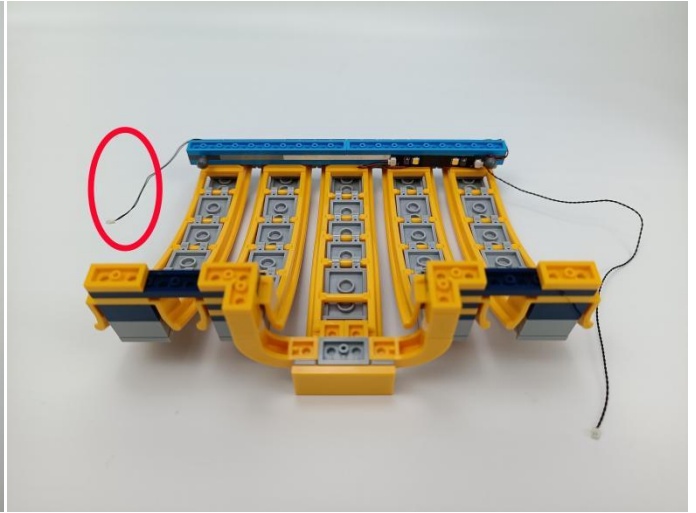


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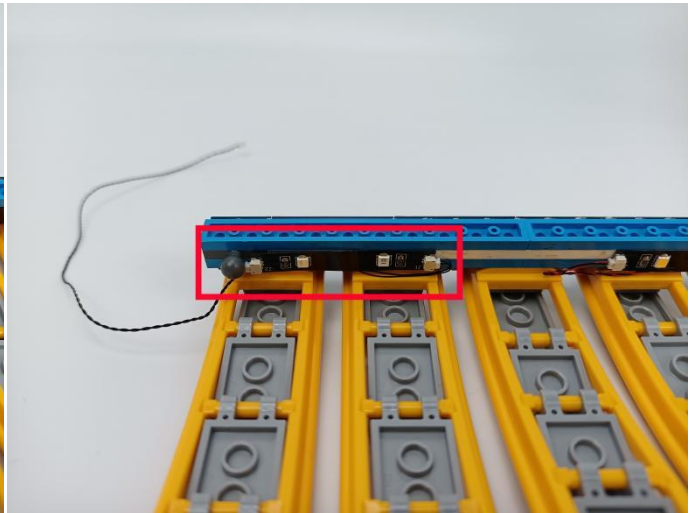
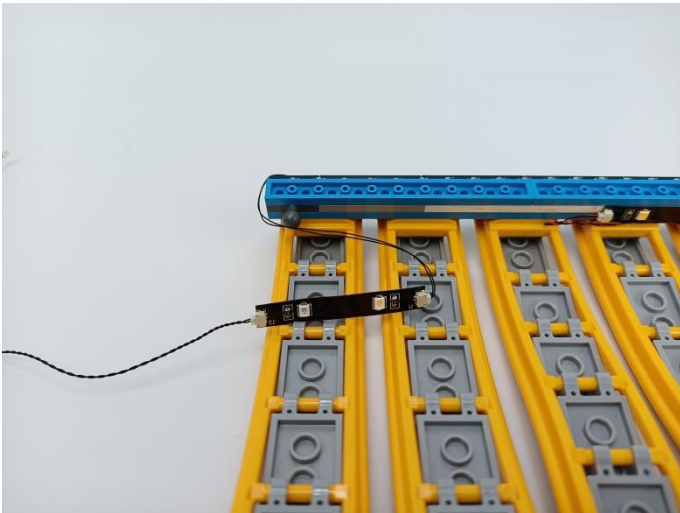




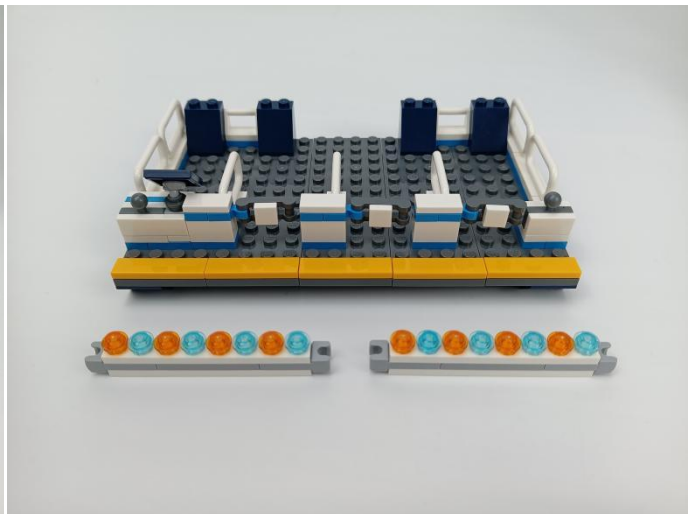
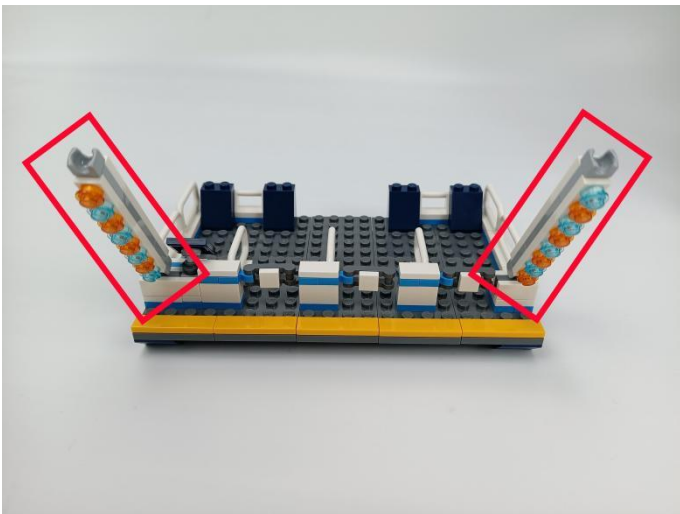
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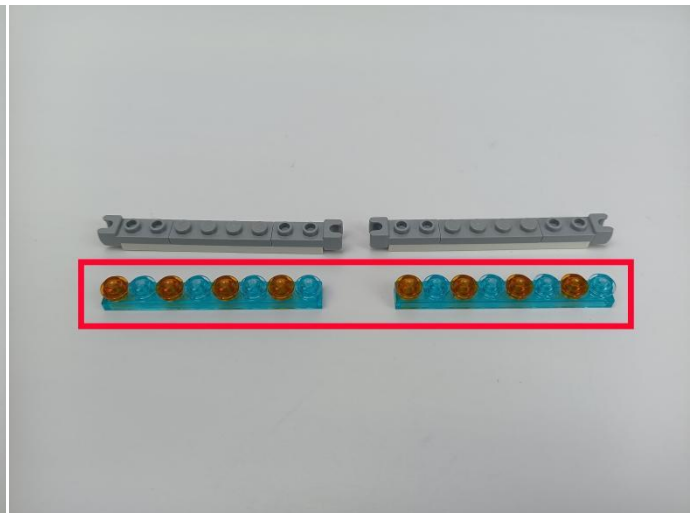




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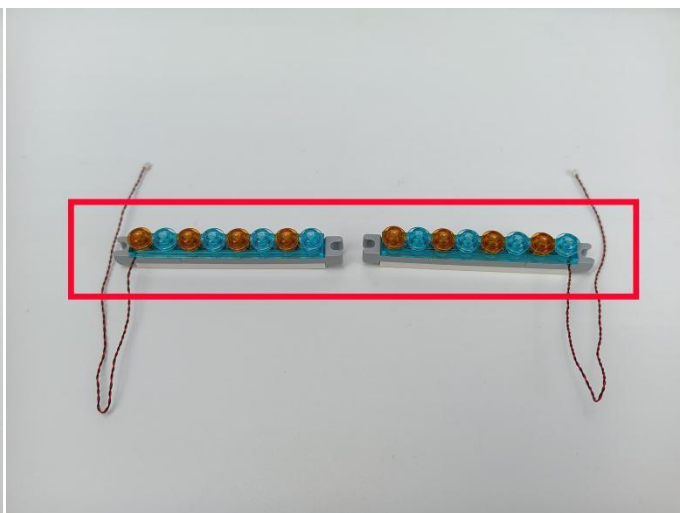
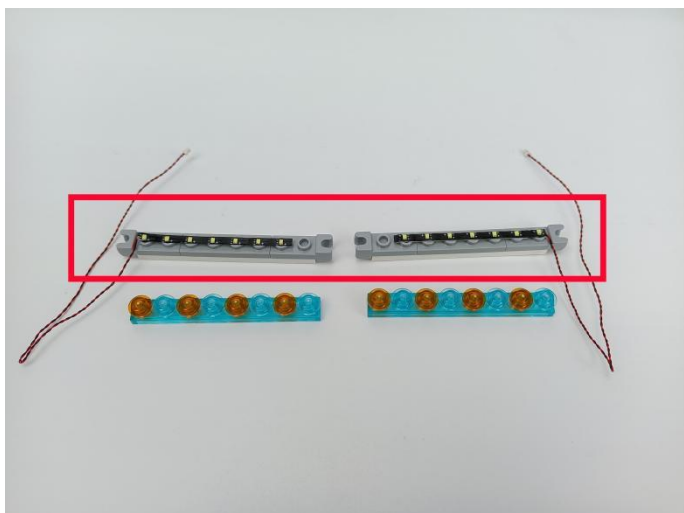
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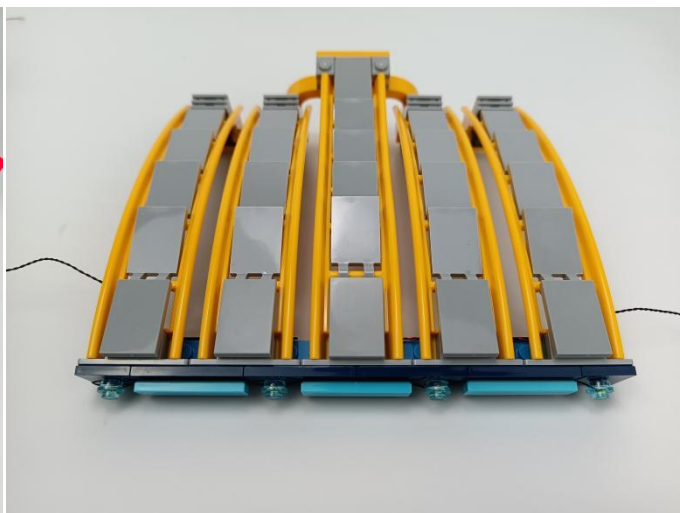
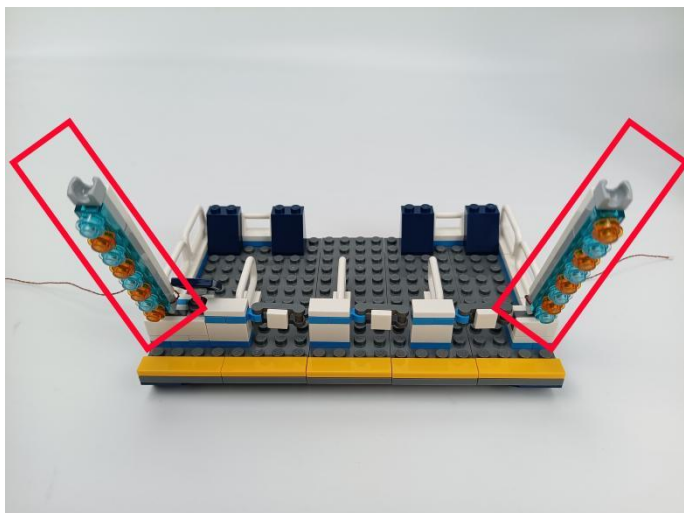
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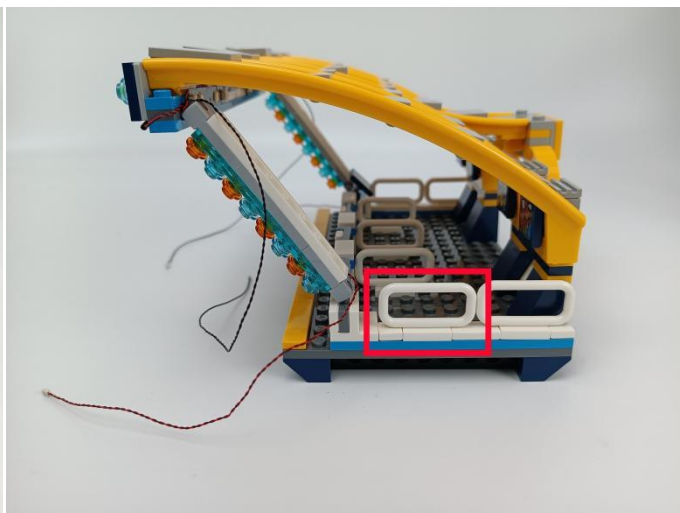
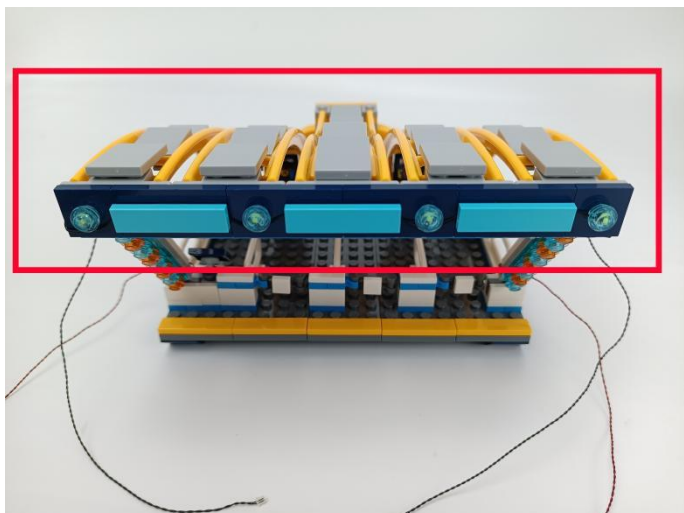
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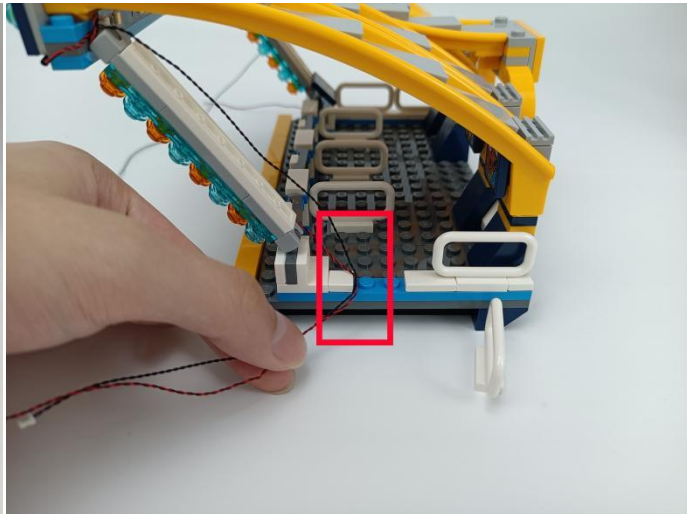
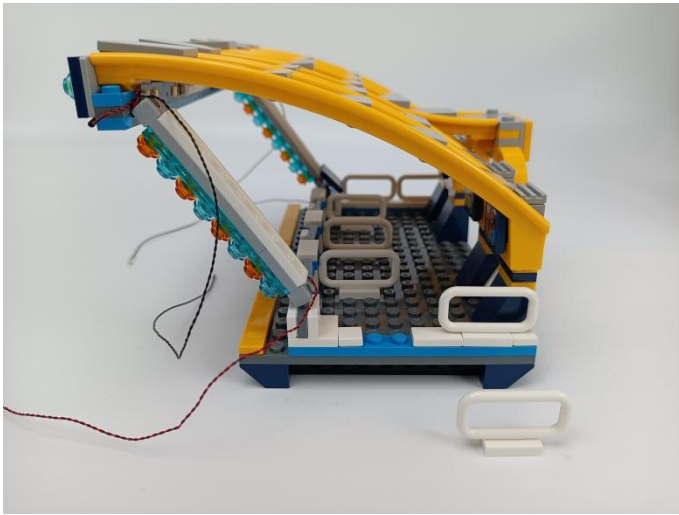
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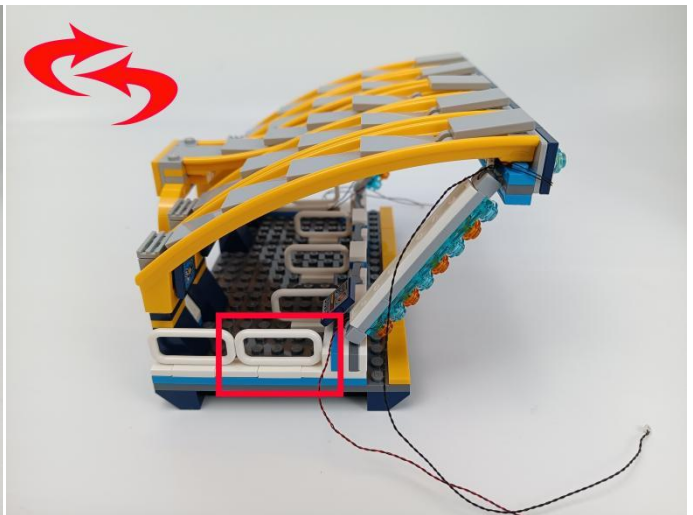
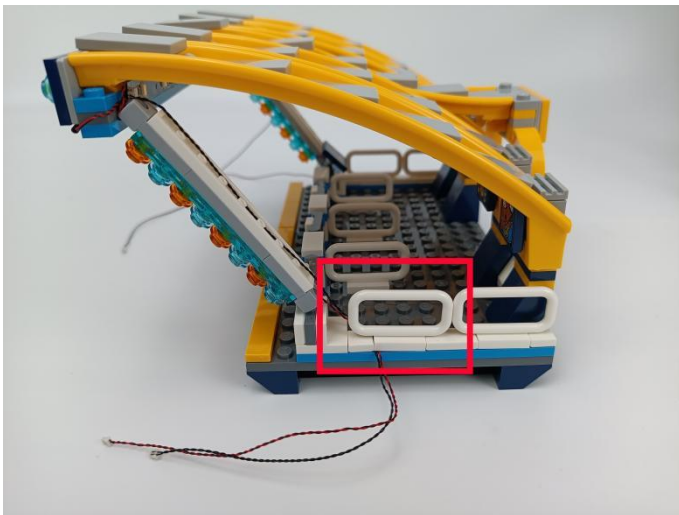
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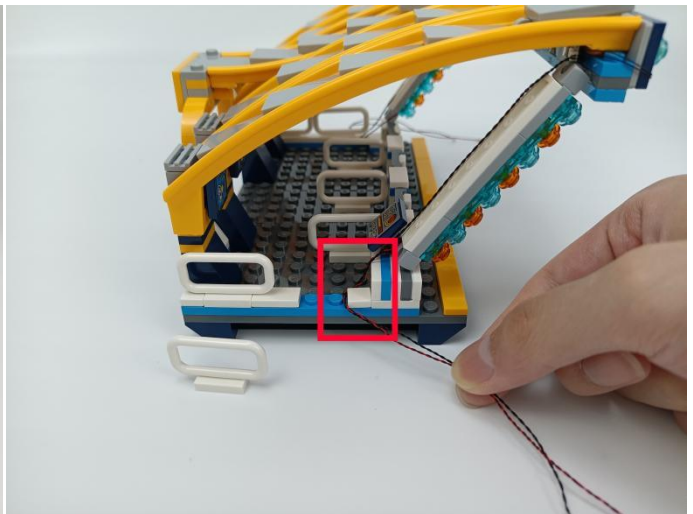
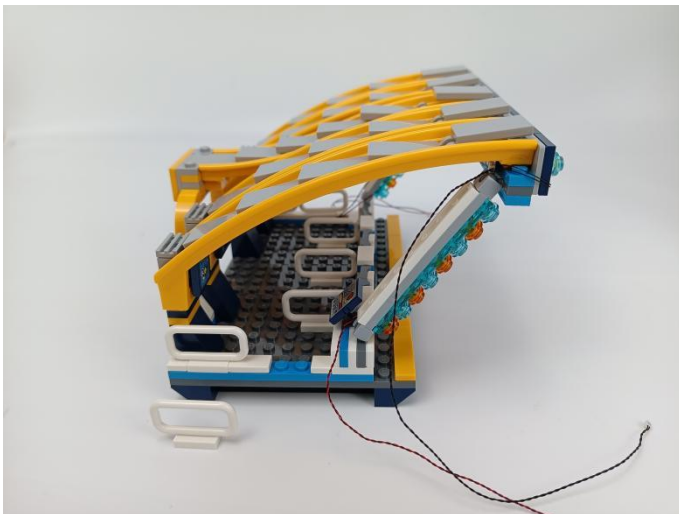
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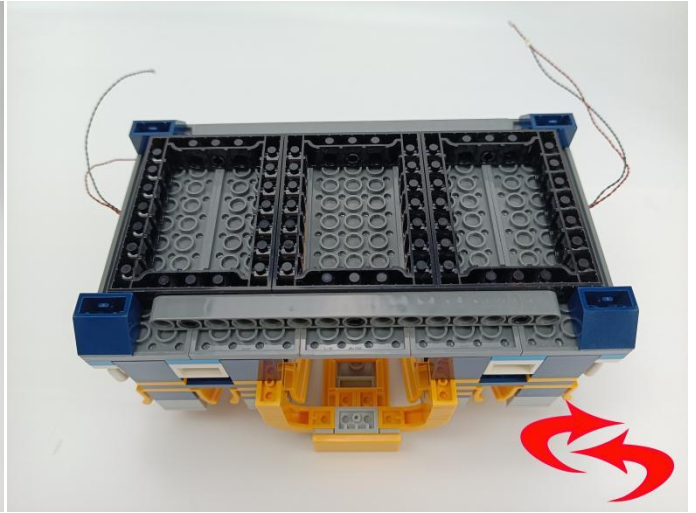
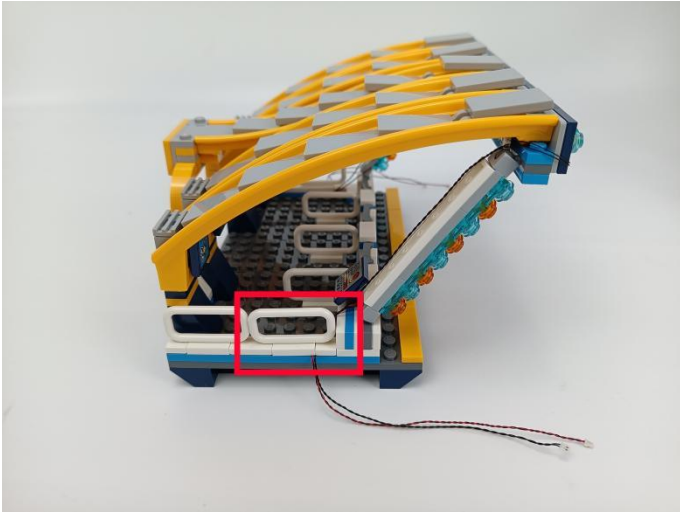


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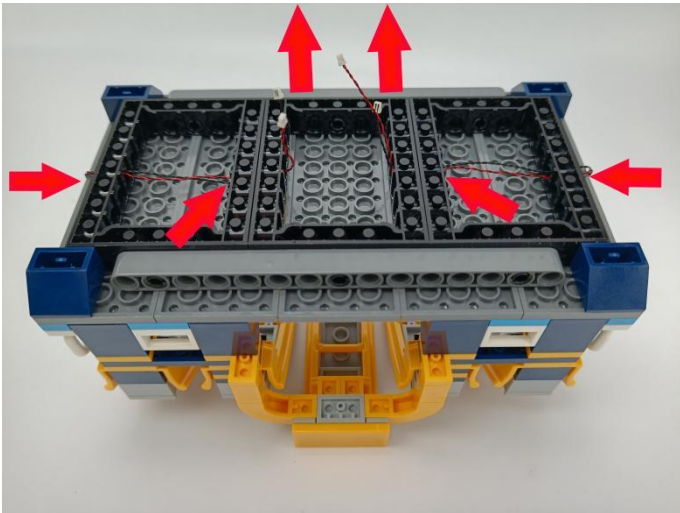




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Pass the lighting lines on both sides through the gap between the building blocks.



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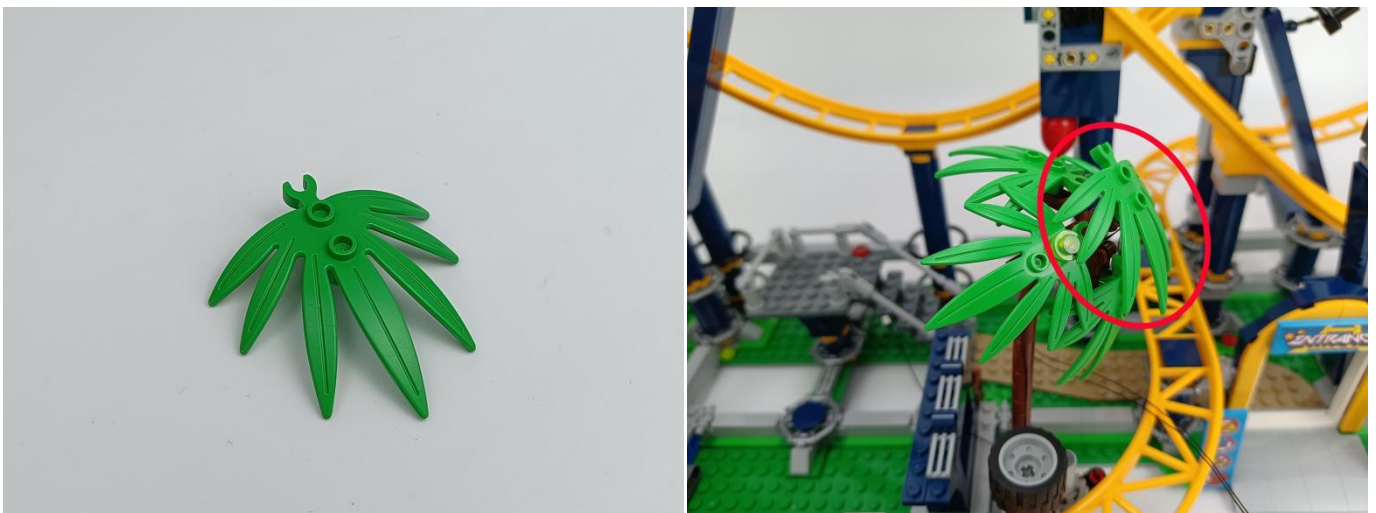
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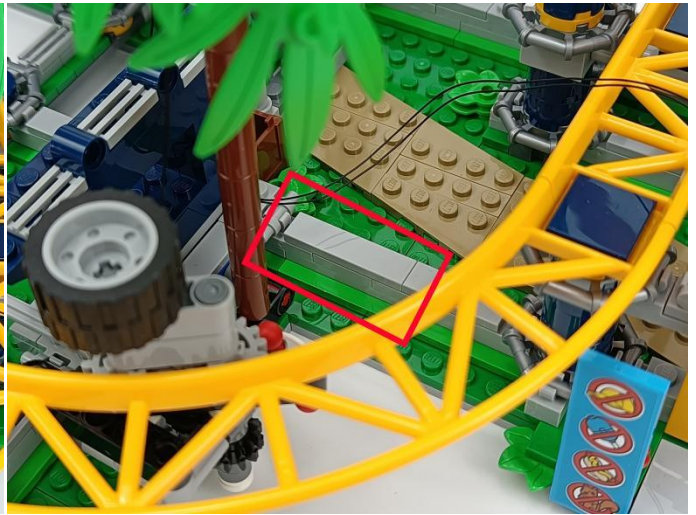
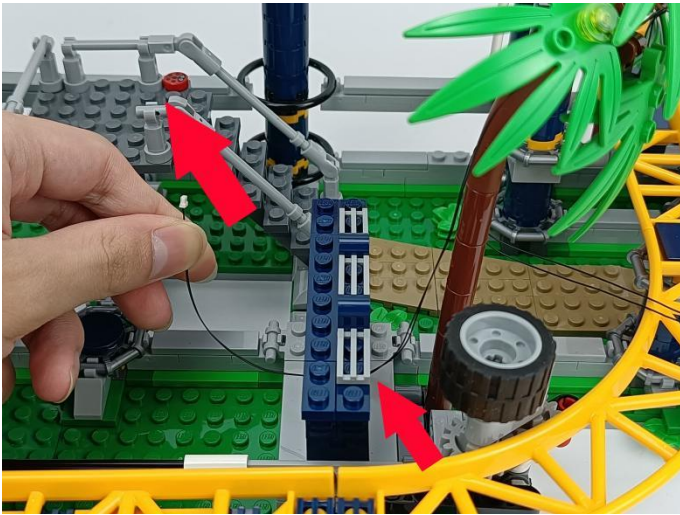
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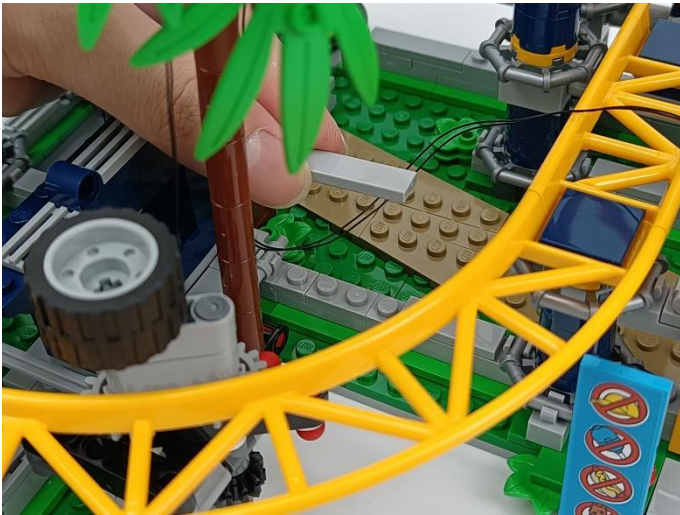
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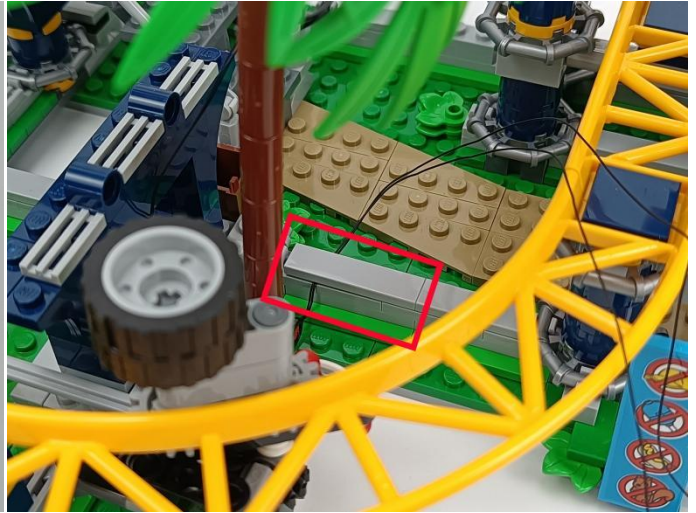
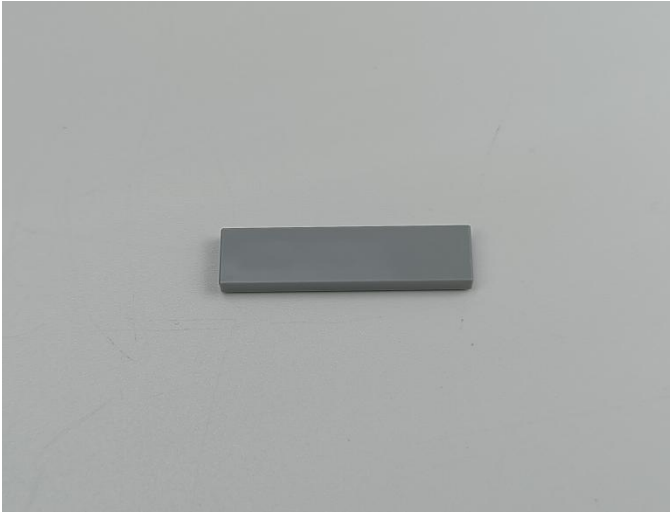


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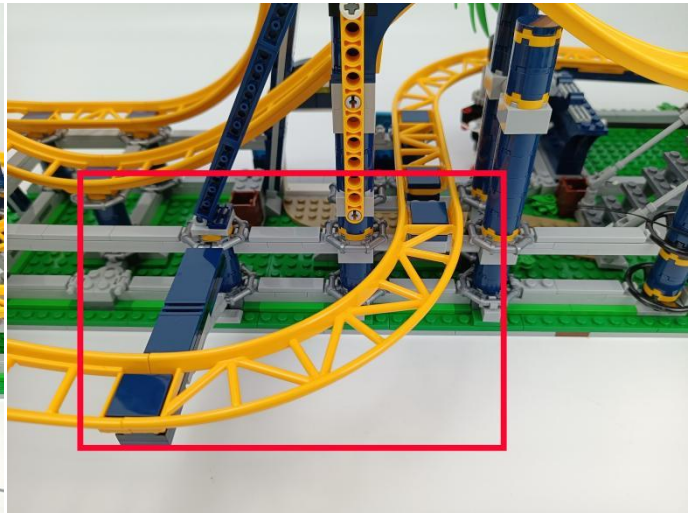
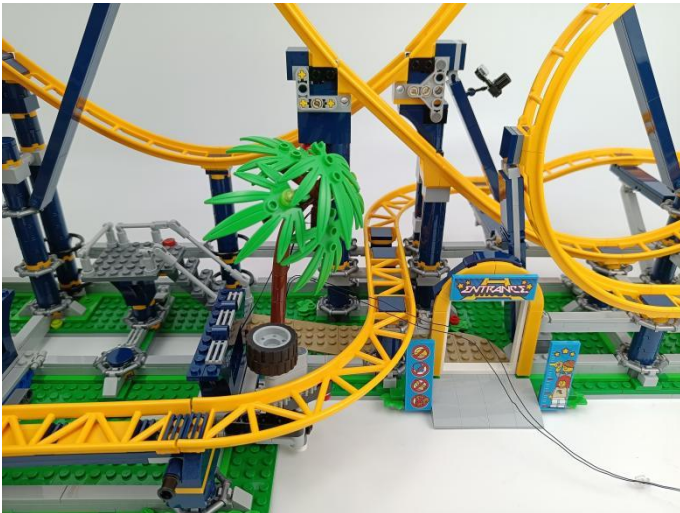




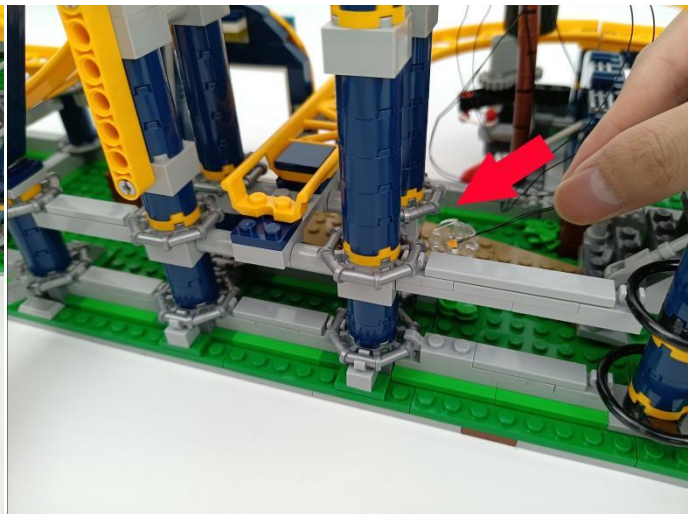
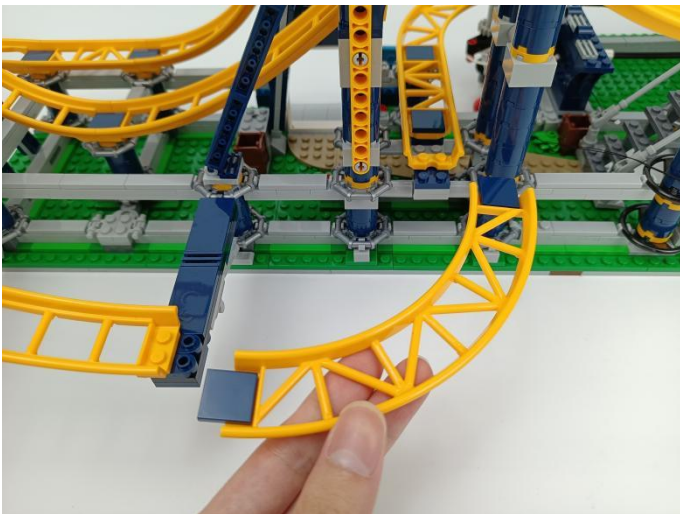
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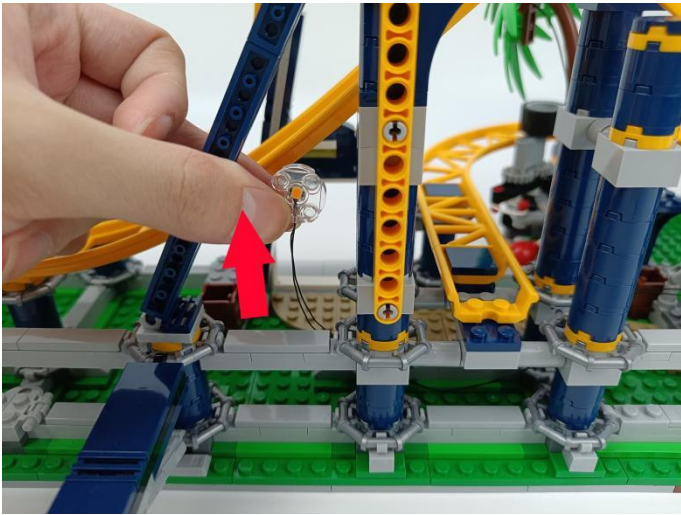


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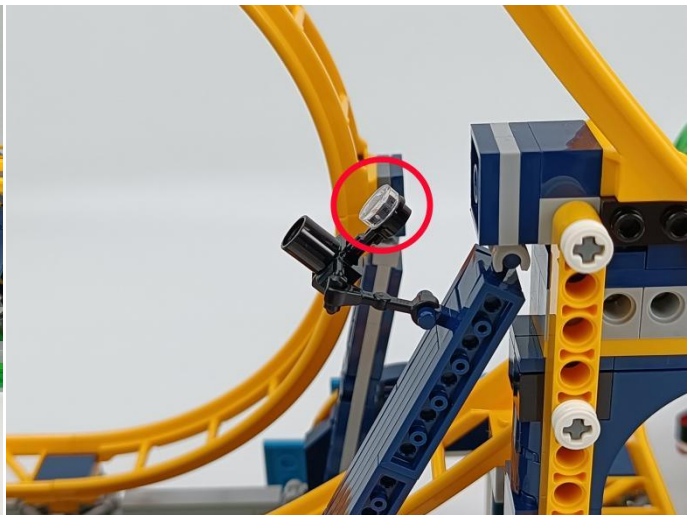
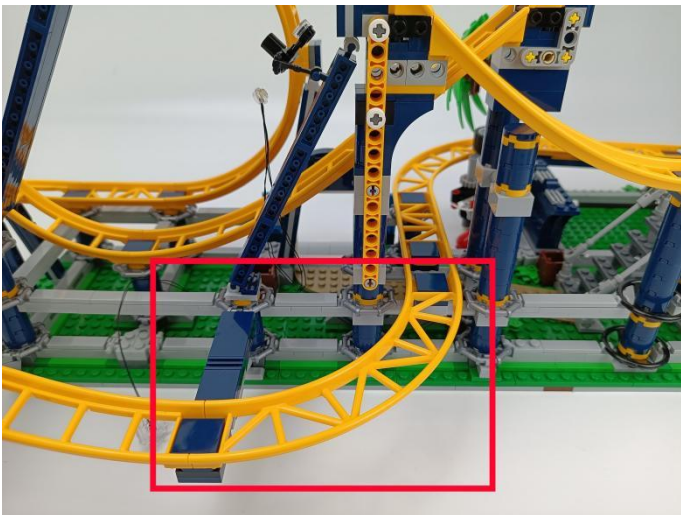




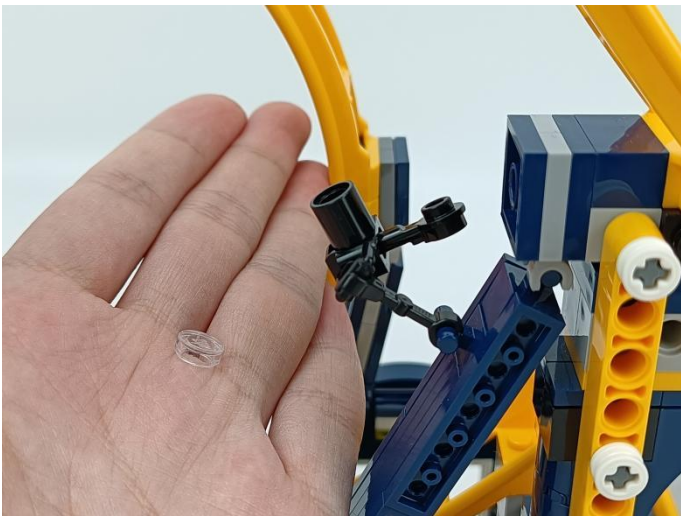
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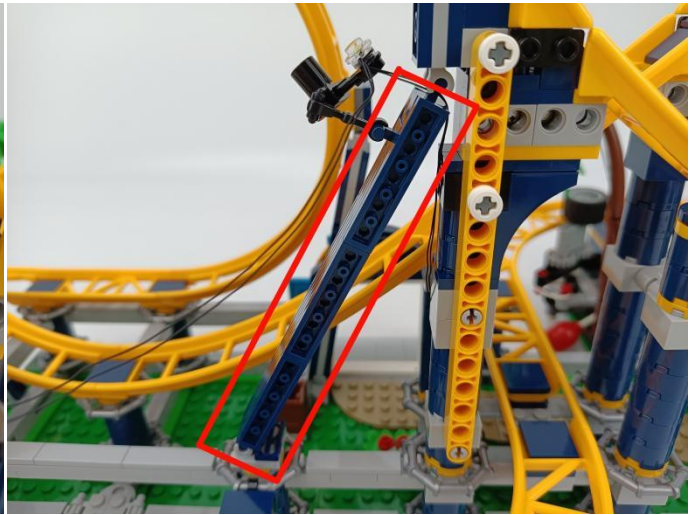


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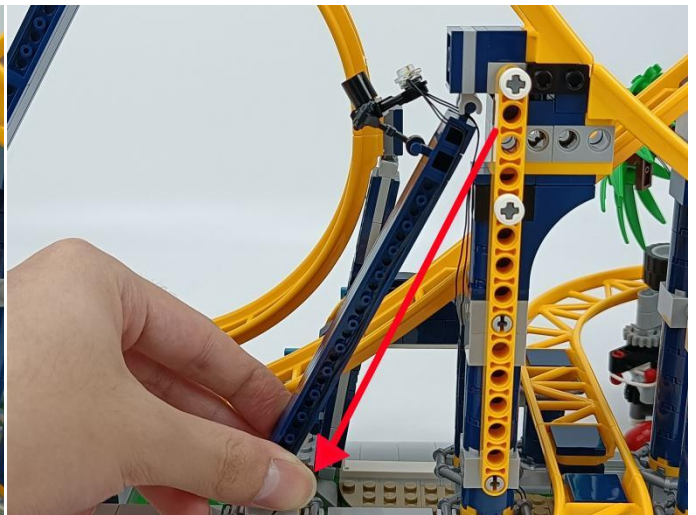




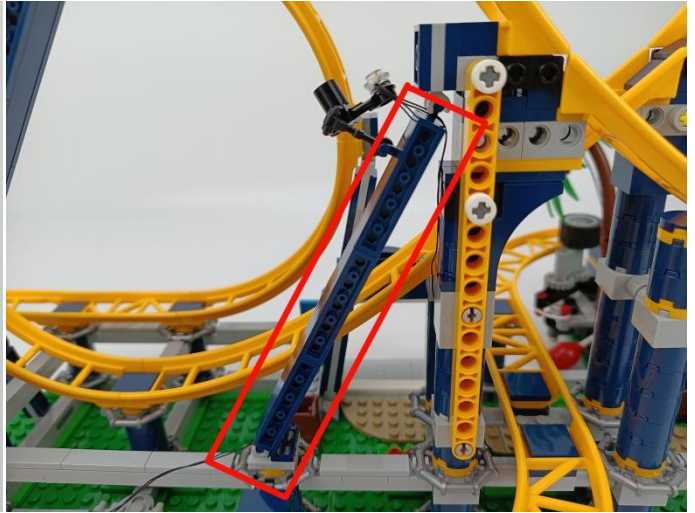
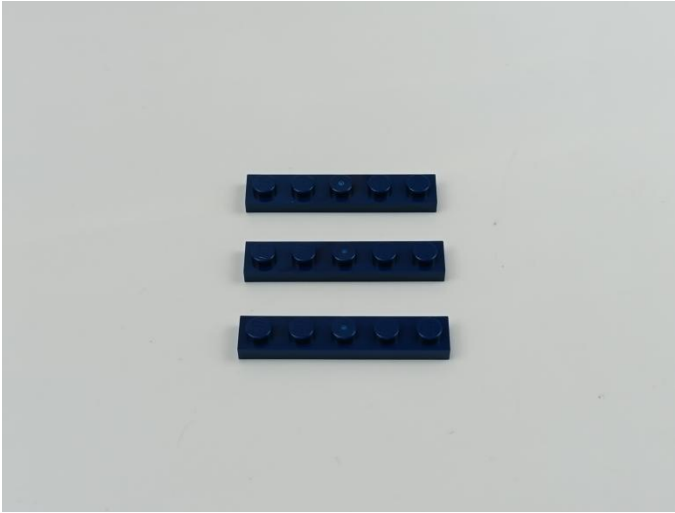
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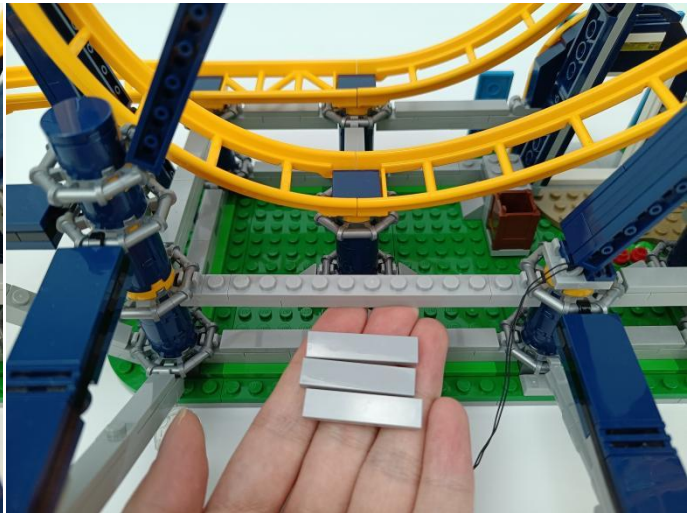
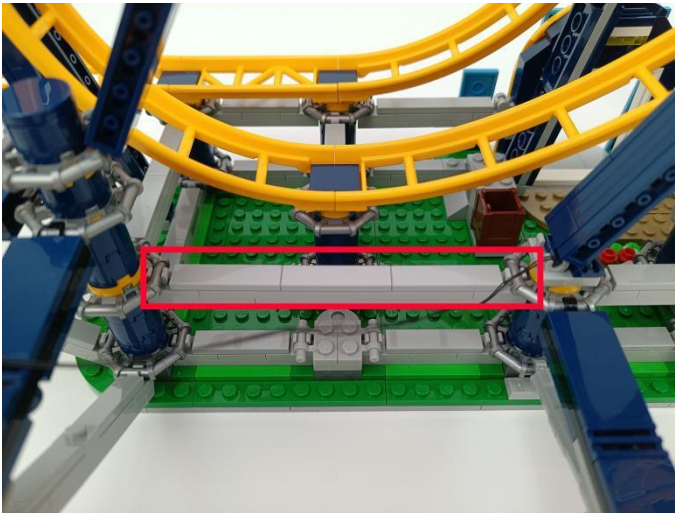
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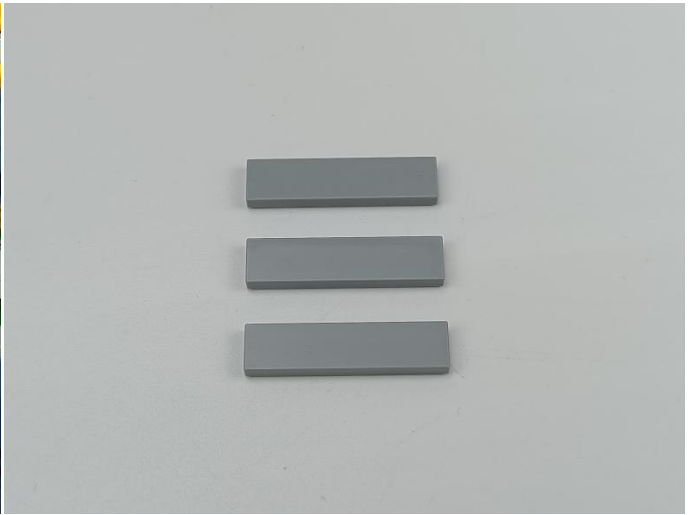
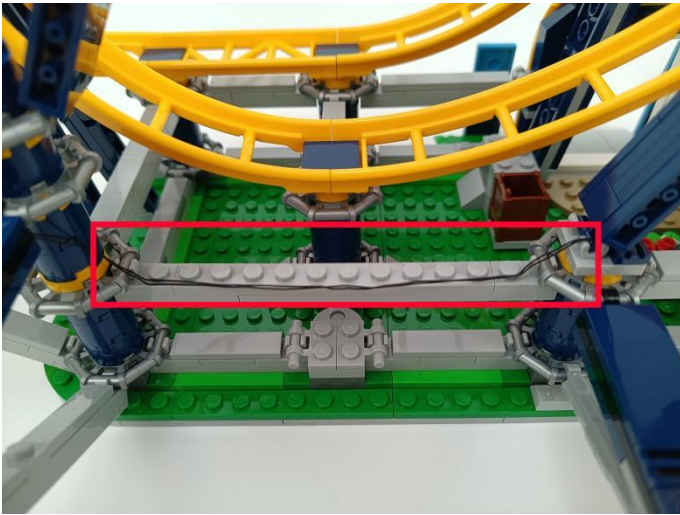


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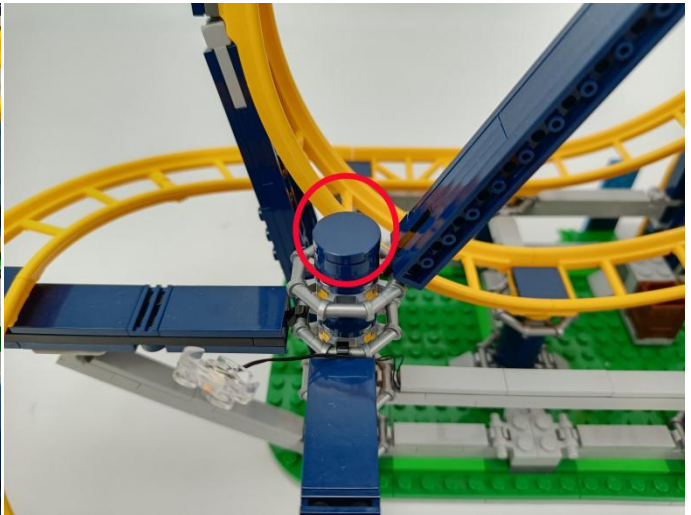
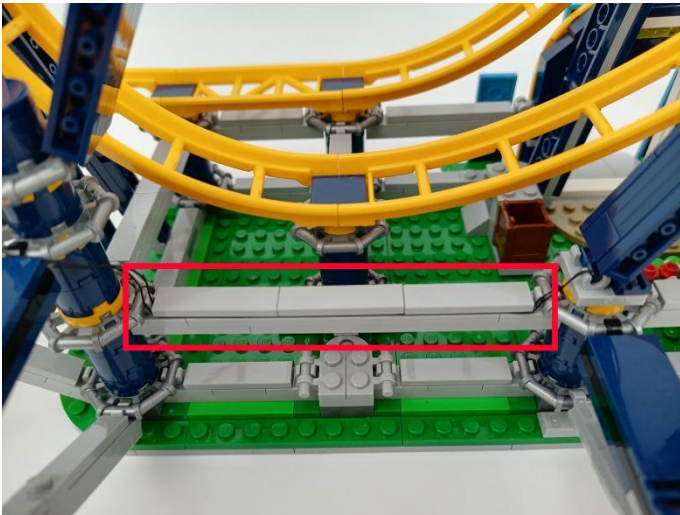




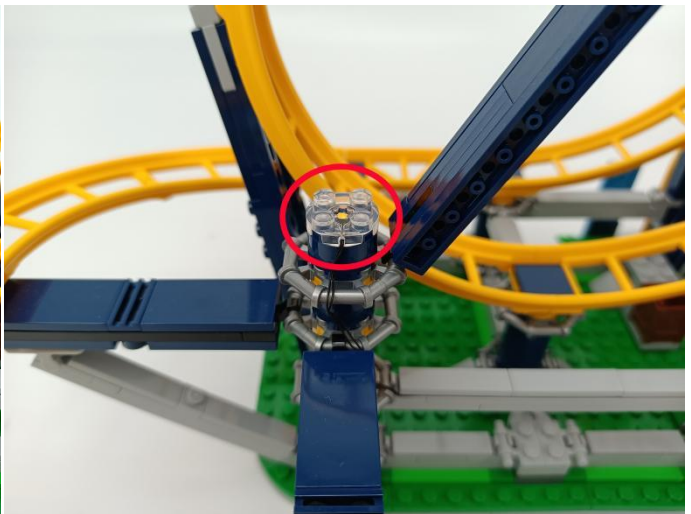
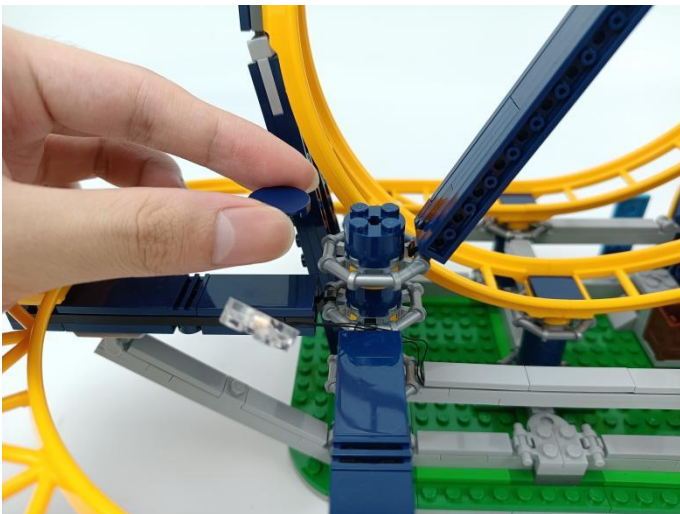
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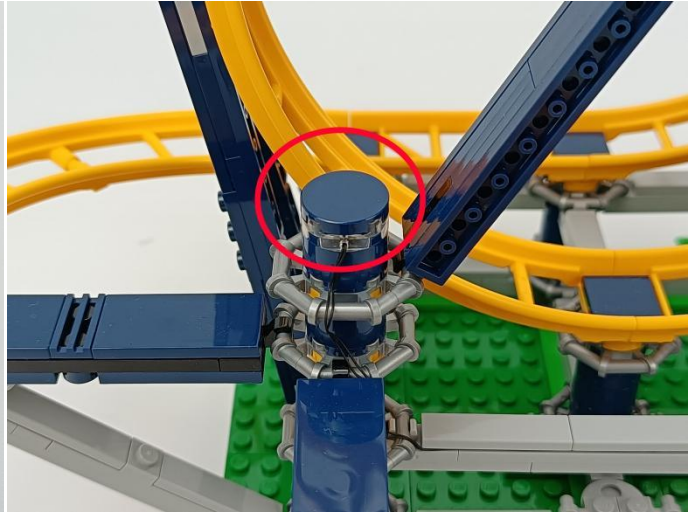


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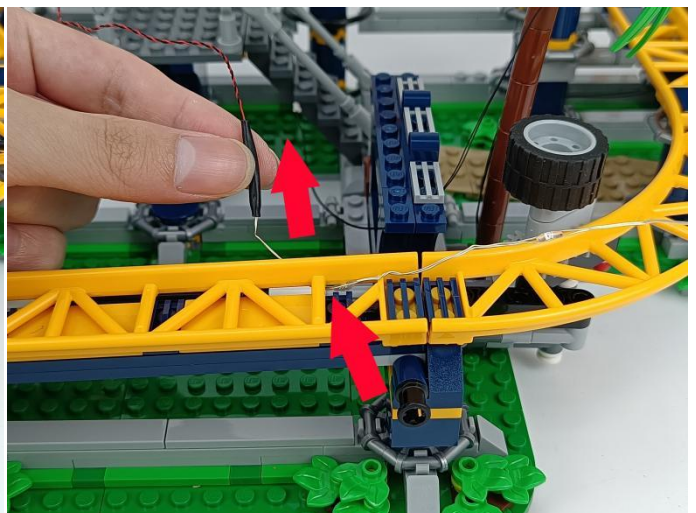
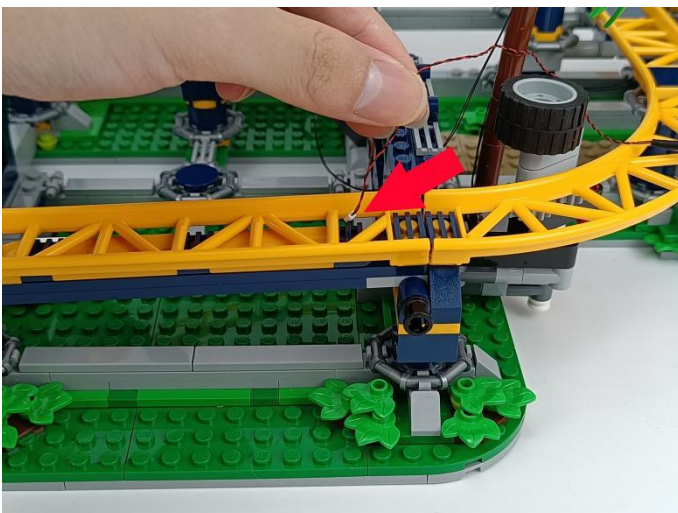
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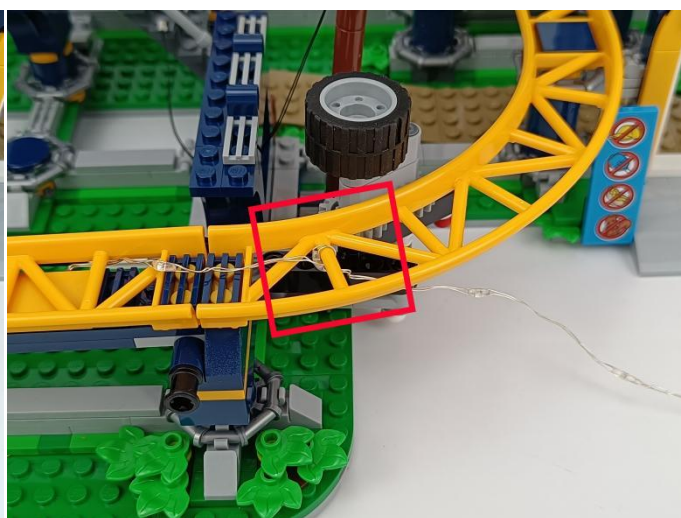
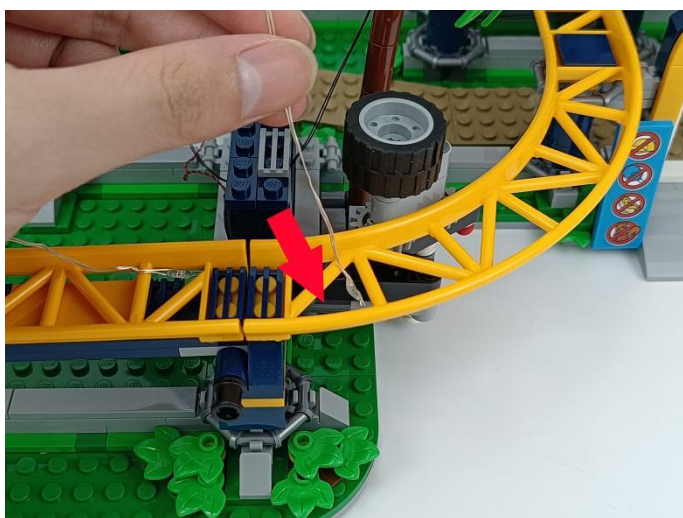


Pass the lighting wire through the gap in the track.





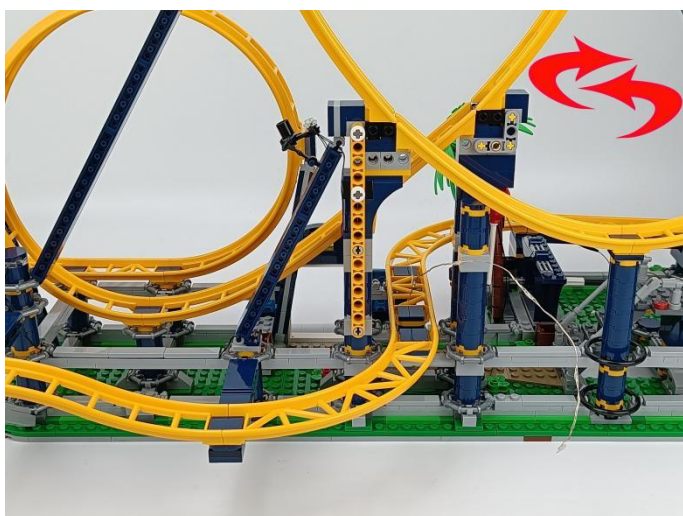
**Wrap a circle around the position selected in the picture to secure the lighting wire.**



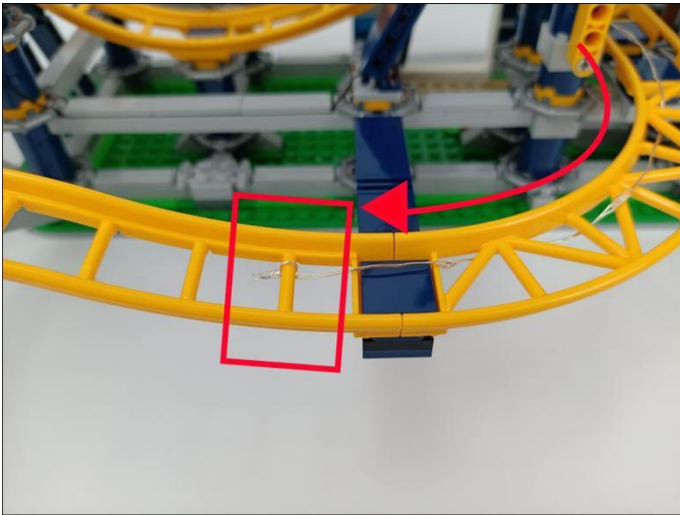
**Wrap the remaining lighting wire around the track.**



**47**



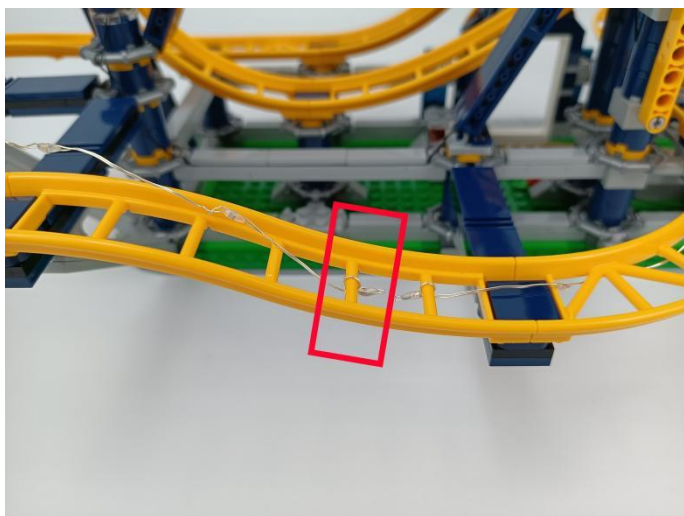
Wrap the remaining lighting wire around the track and make one turn at the location selected in the picture to secure the lighting wire.



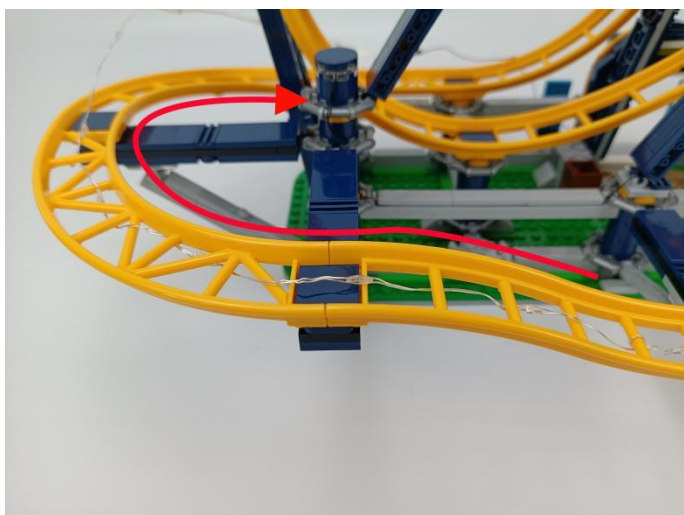
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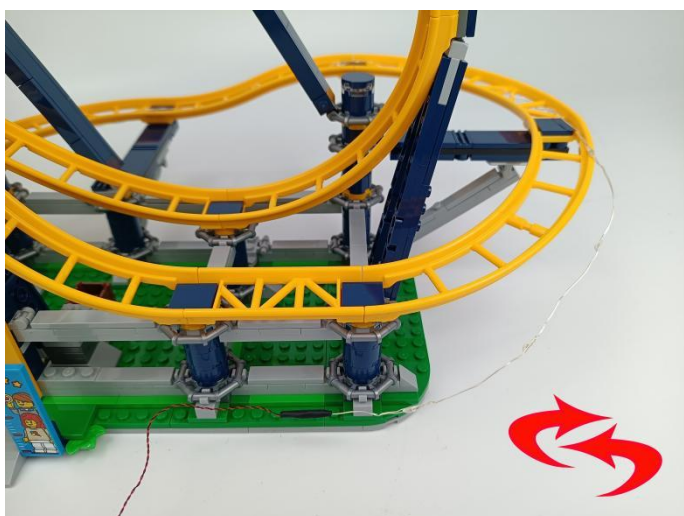
**Wrap a circle around the position selected in the picture to secure the lighting wire.**



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

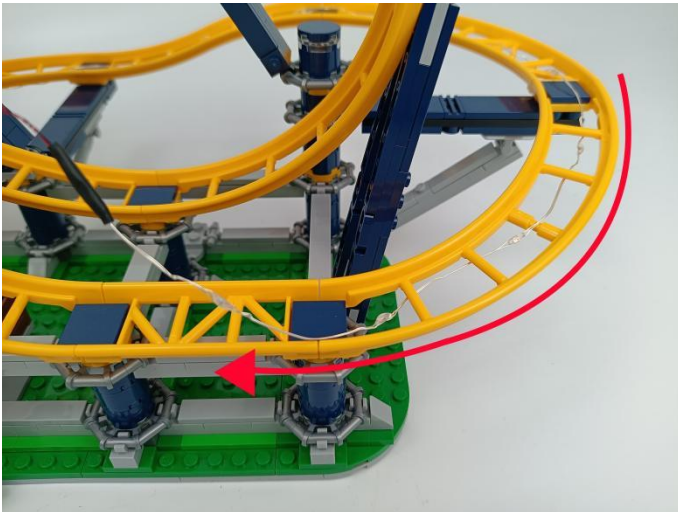


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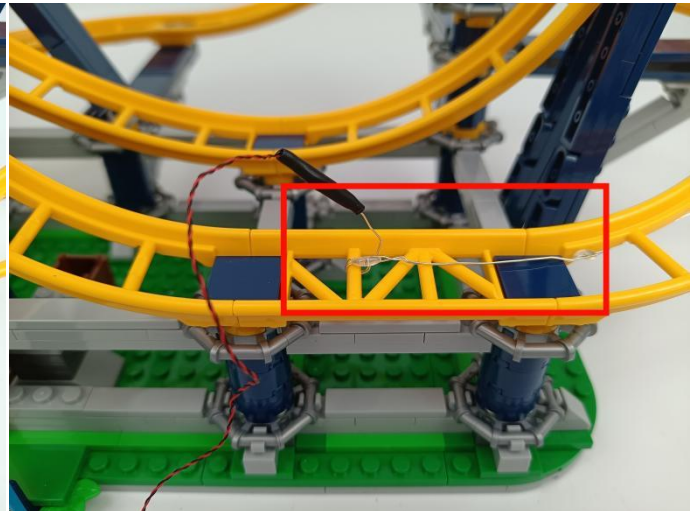
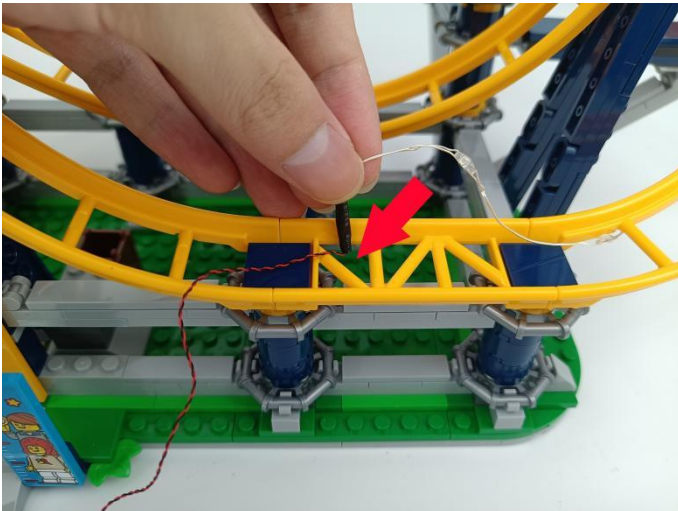




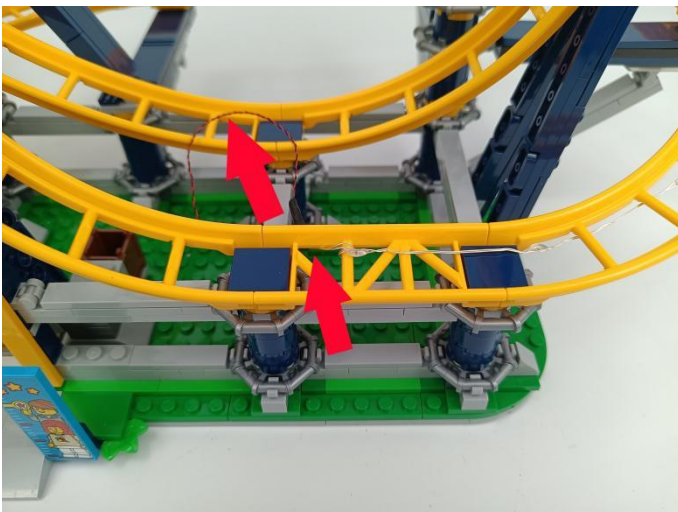
**Wrap the remaining lighting wire around the track.**



**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.**

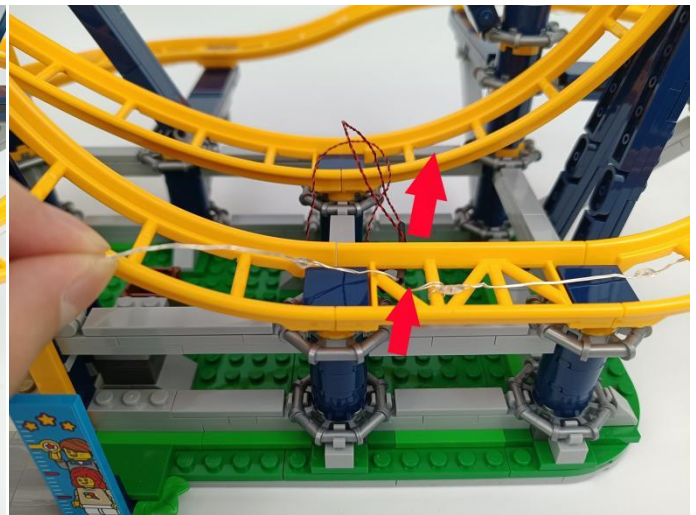
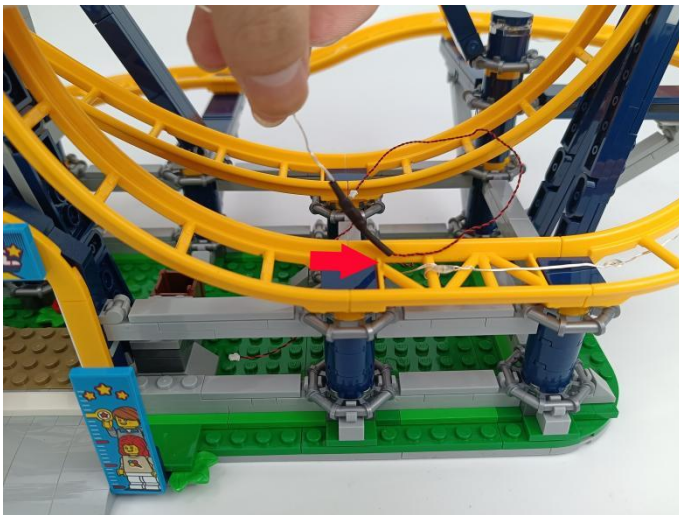




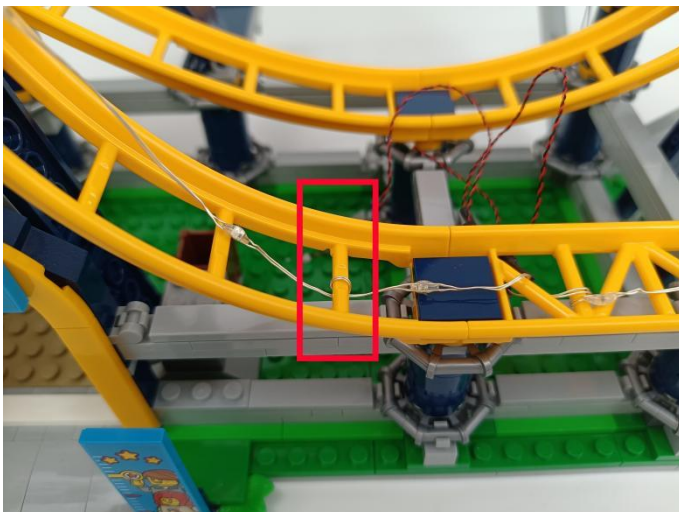
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Pass the lighting wire through the gap in the track.



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



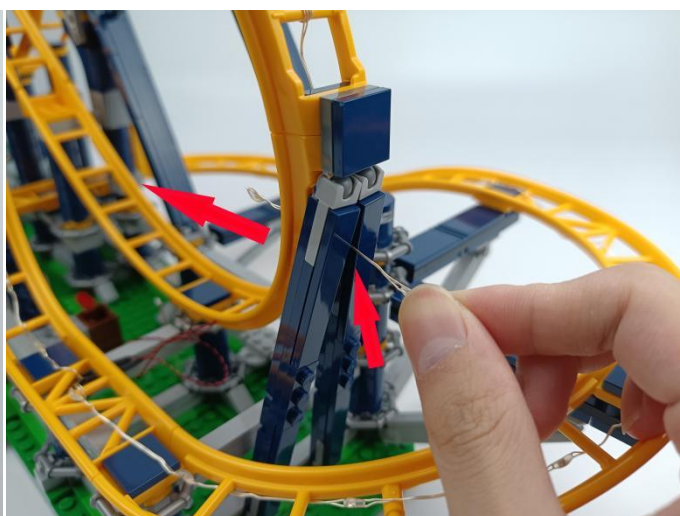
Wrap the remaining lighting wire around the track.



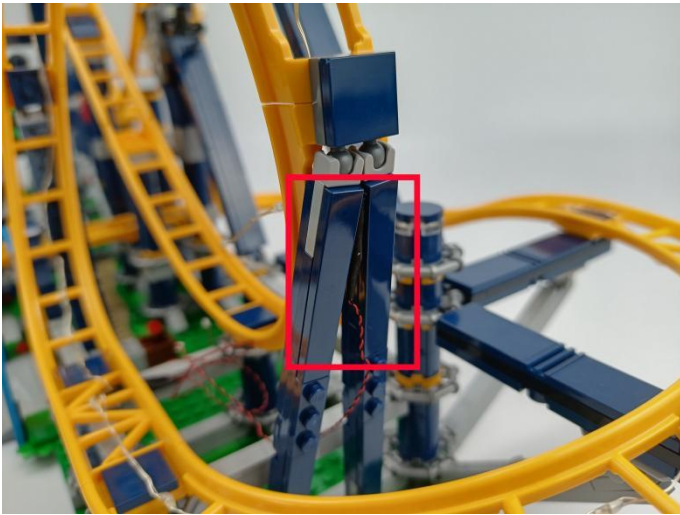
Wrap a circle around the position selected in the picture to secure the lighting wire.



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



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

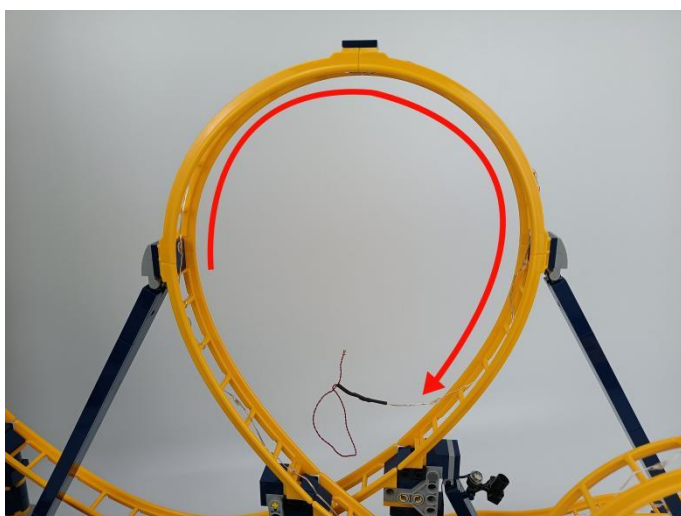




Wrap a circle around the position selected in the picture to secure the lighting wire.



Wrap the remaining lighting wire around the track.

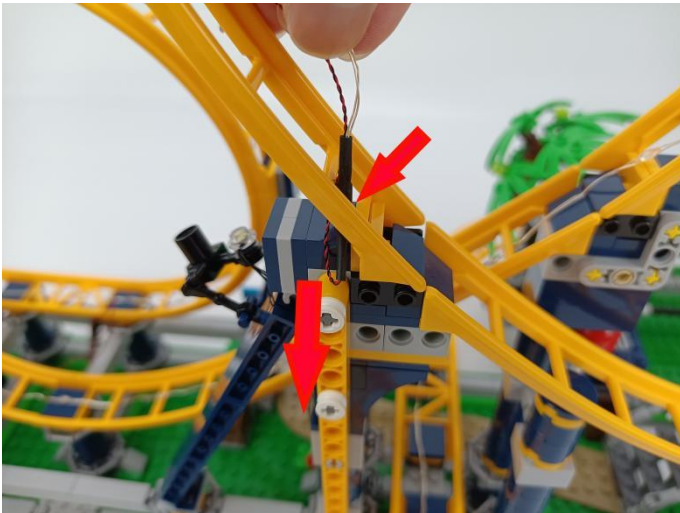




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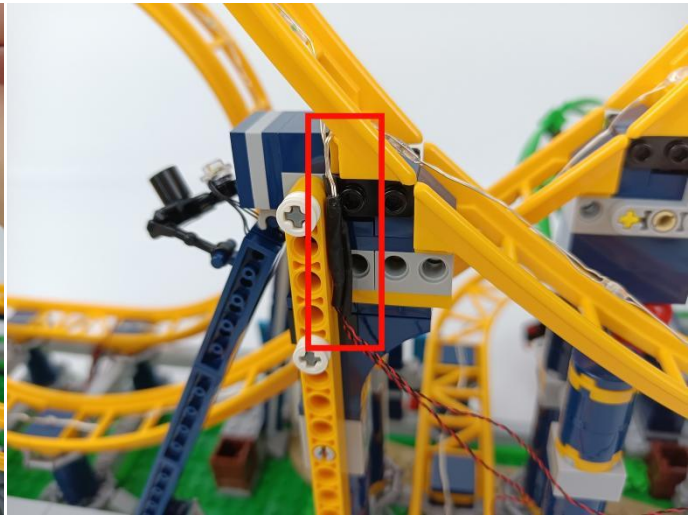
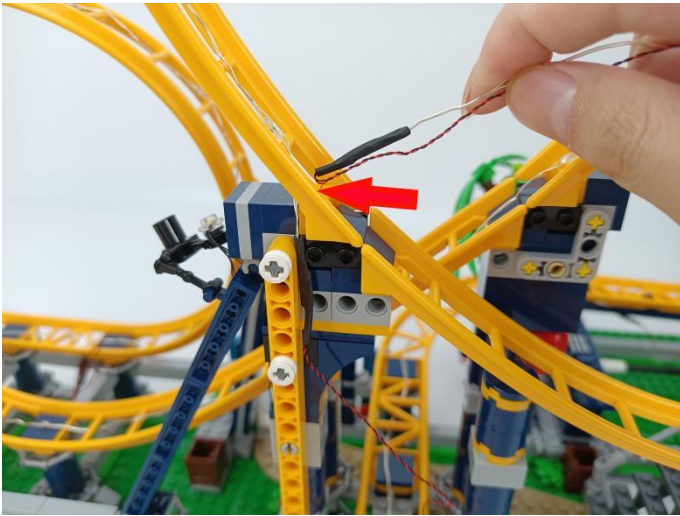
Hide the black part of the lighting wire into the gap between the brick parts.



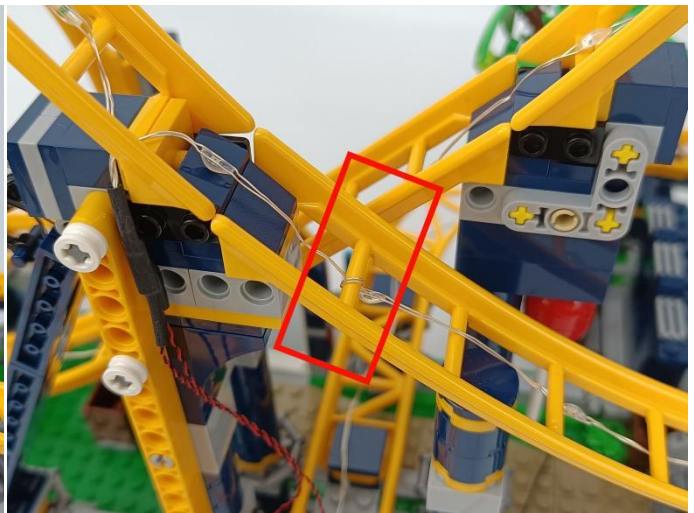
55



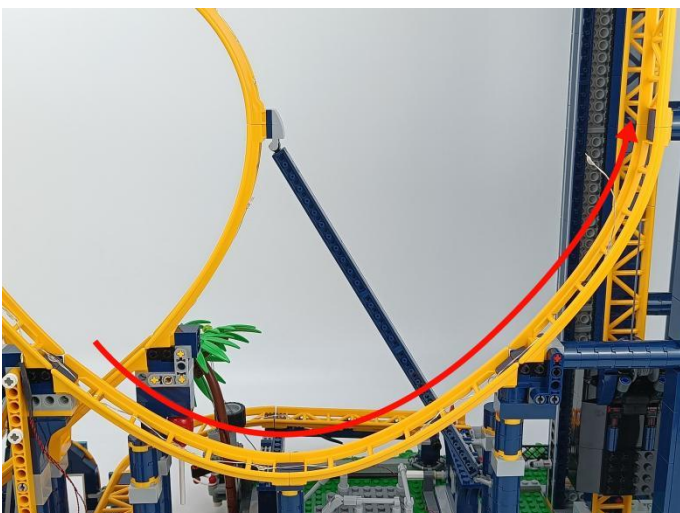
**Hide the black part of the lighting wire into the gap between the brick parts.**



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

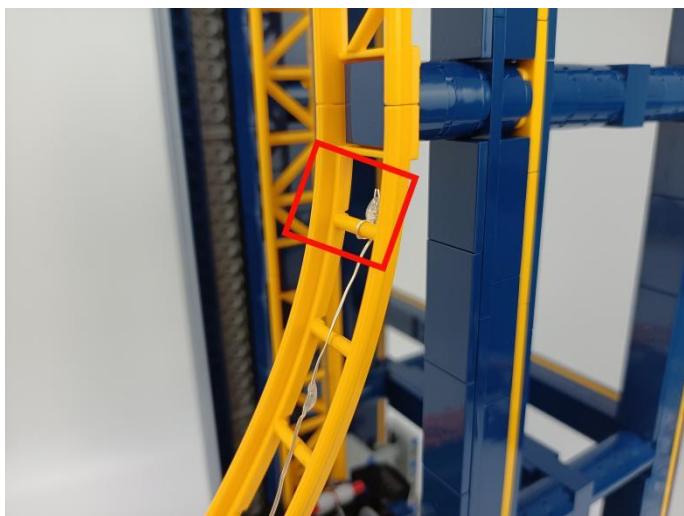


**Wrap the remaining lighting wire around the track.**

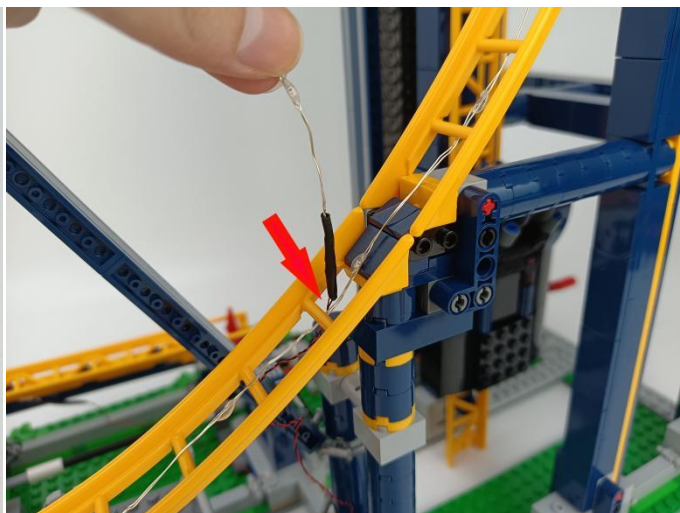




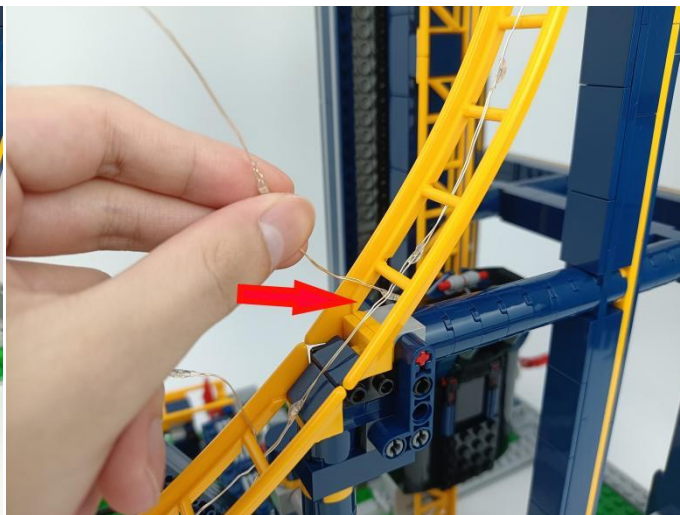
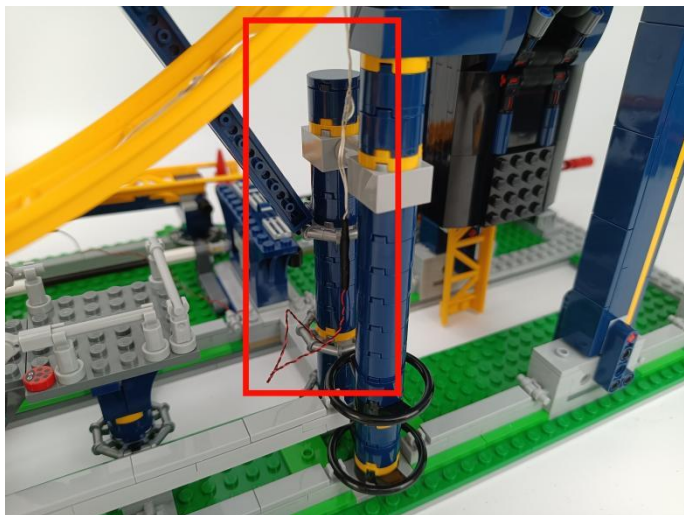
Wrap a circle around the position selected in the picture to secure the lighting wire.



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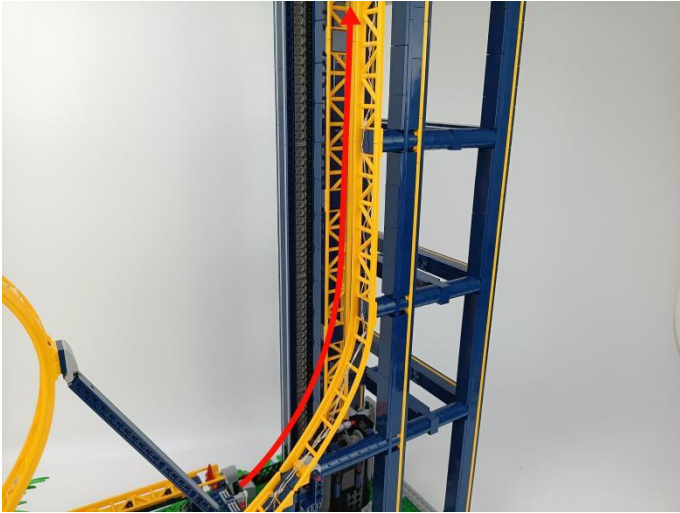


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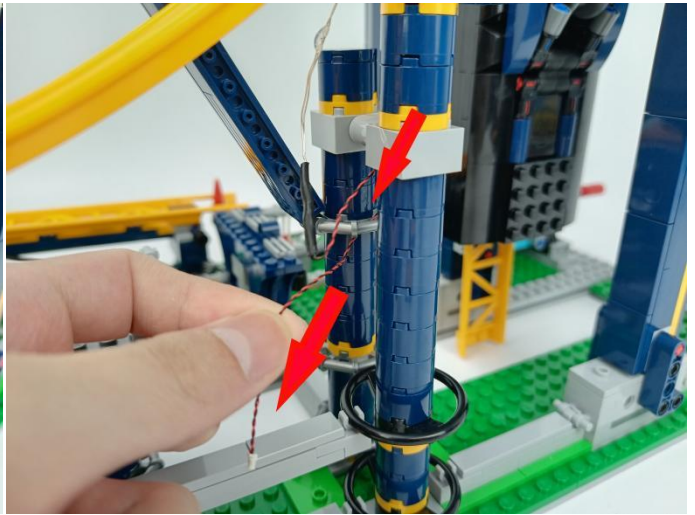
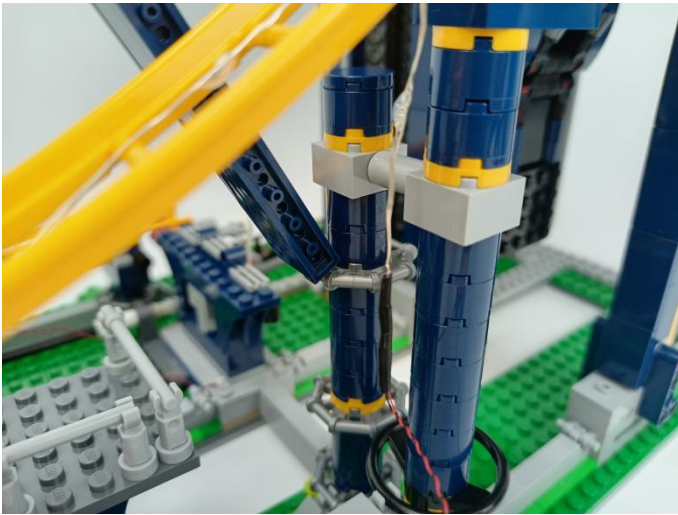
**Wrap the remaining lighting wire around the track.**



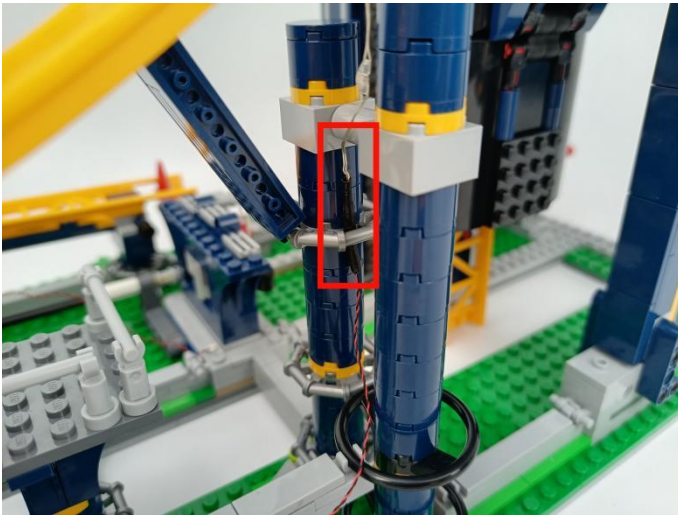
**Wrap a circle around the position selected in the picture to secure the lighting wire.**



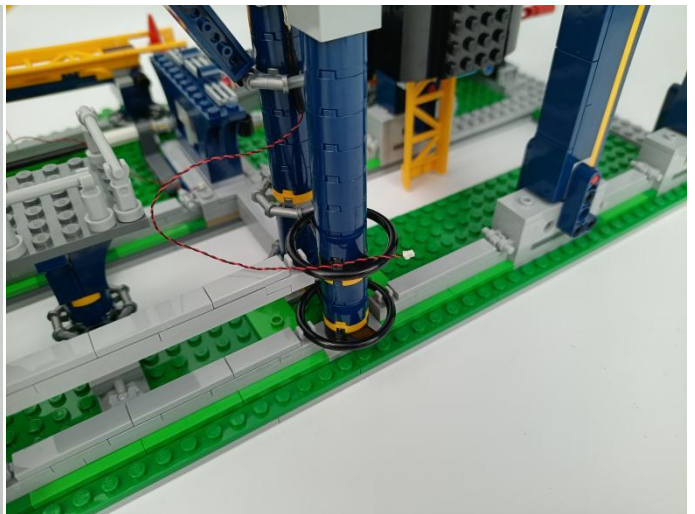
58



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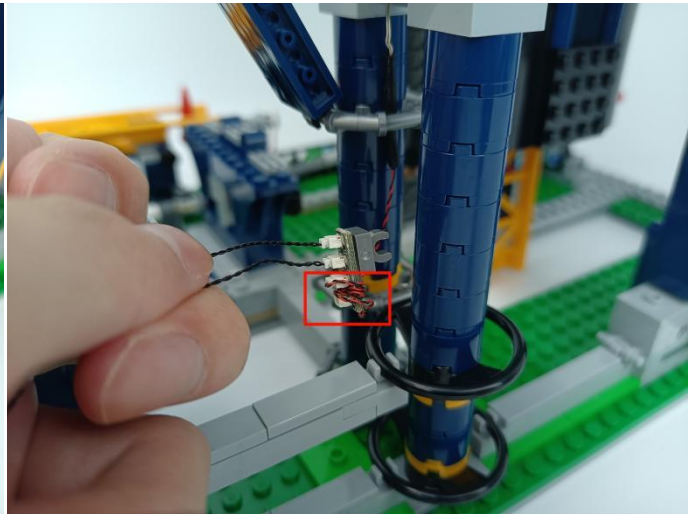
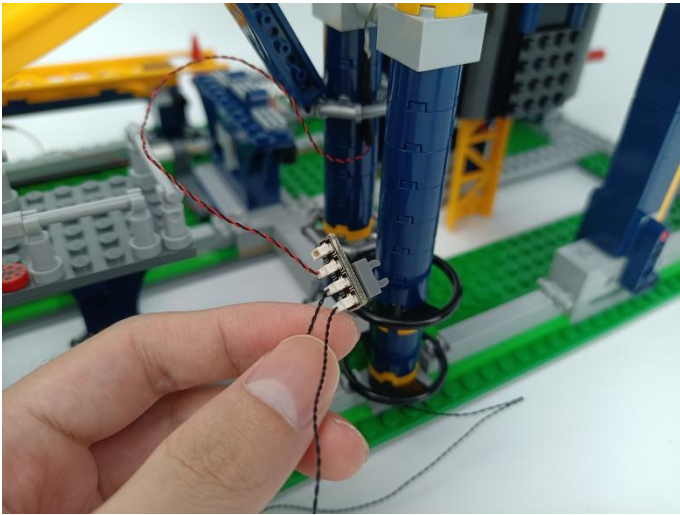


60

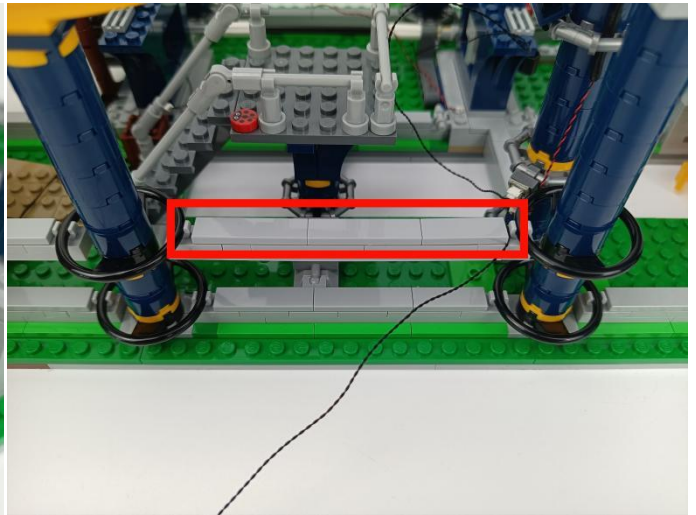
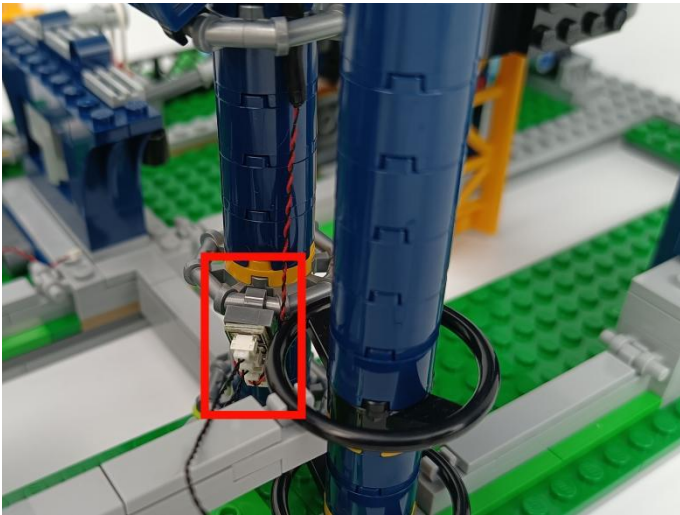




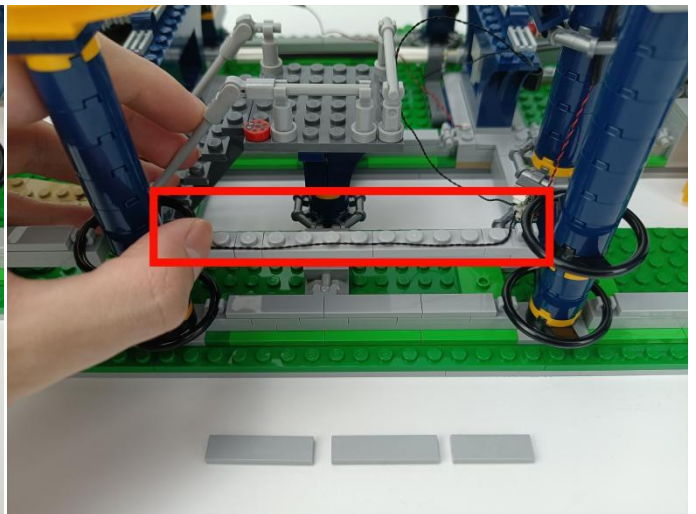
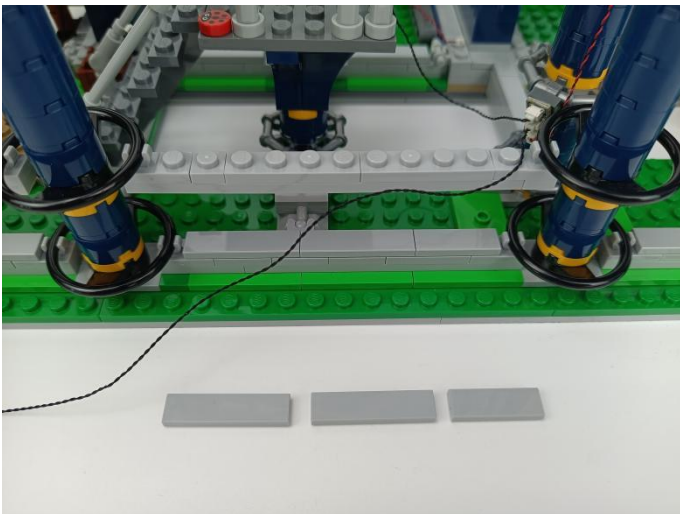
61



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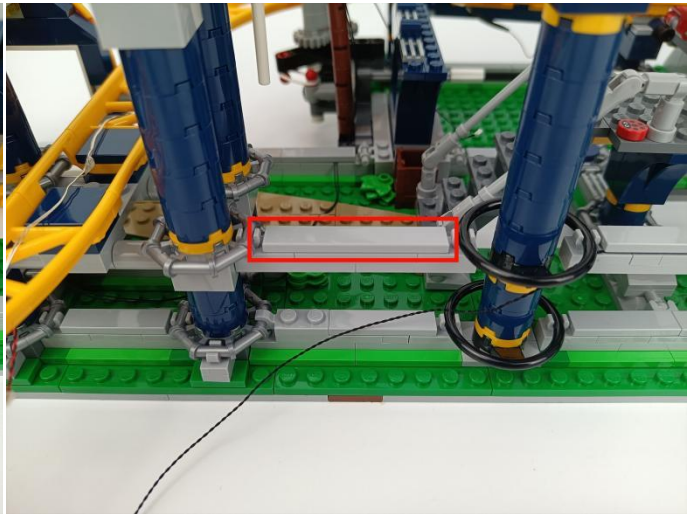
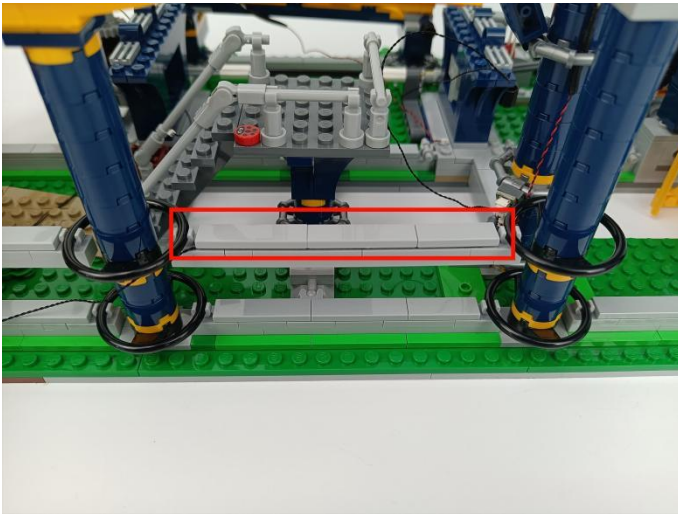


63

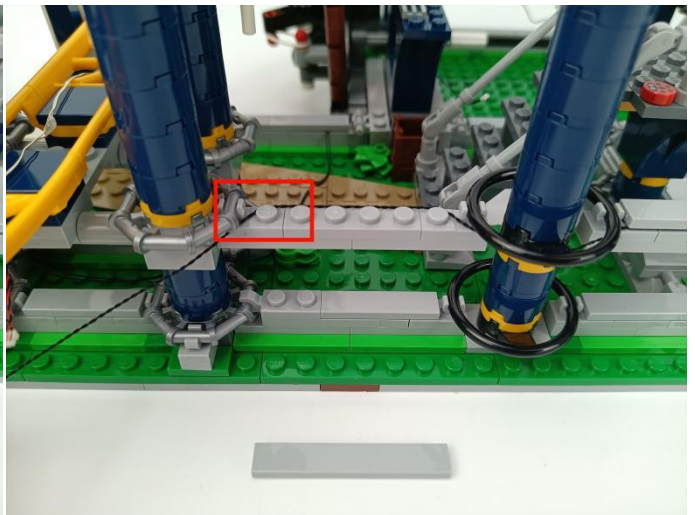
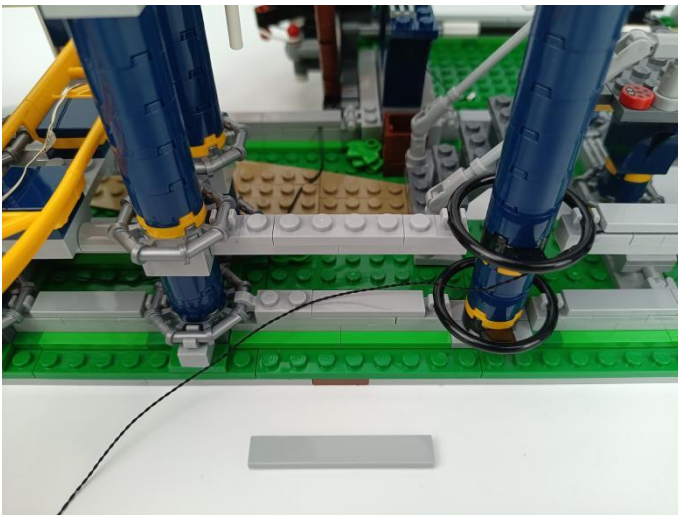




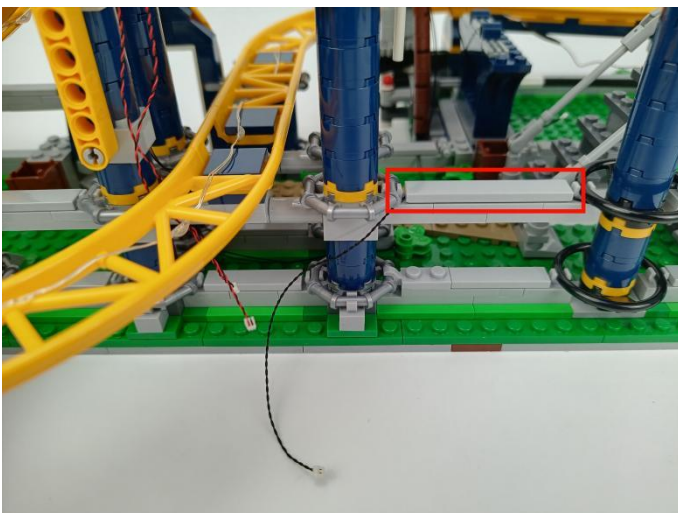
64



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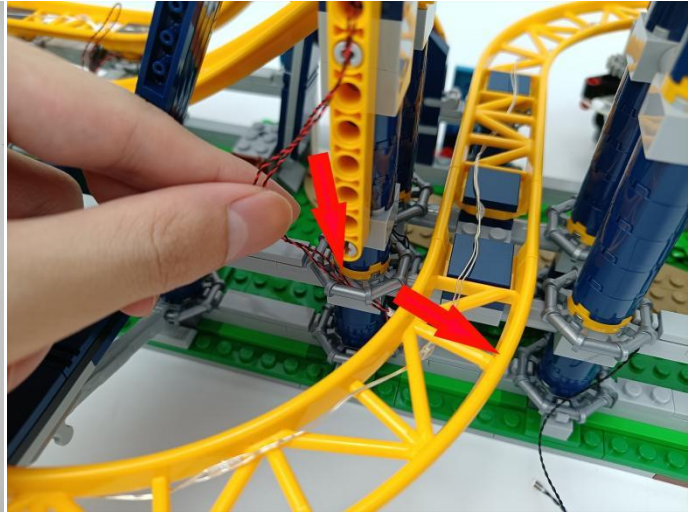
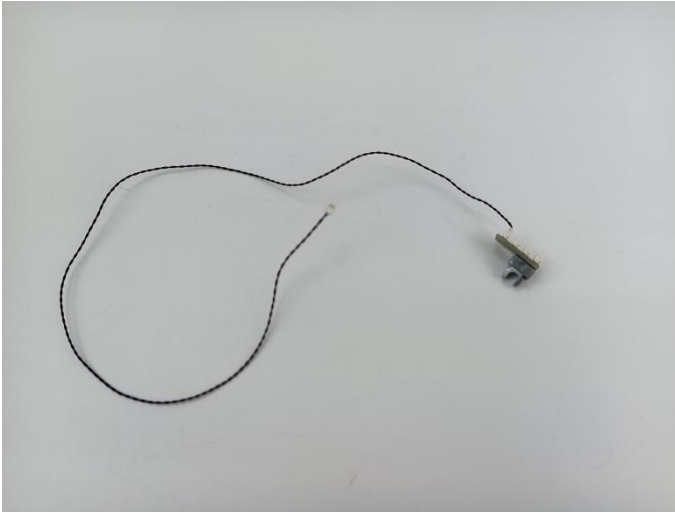


66

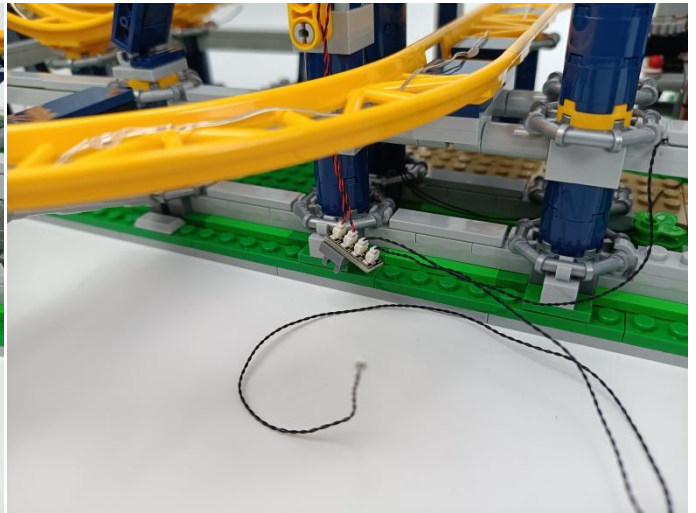
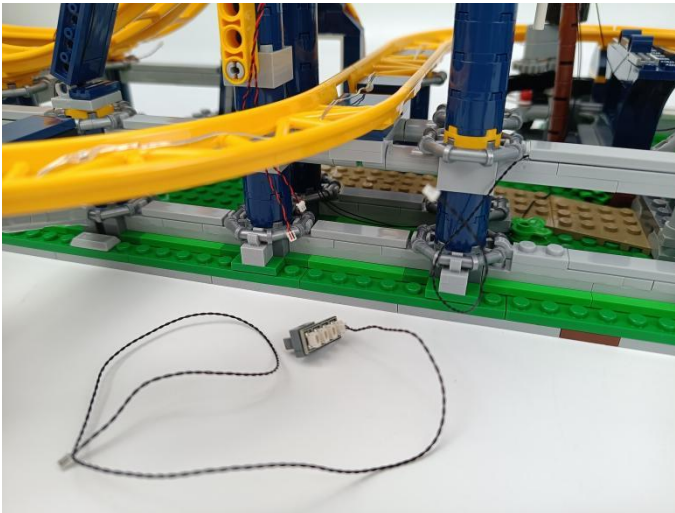




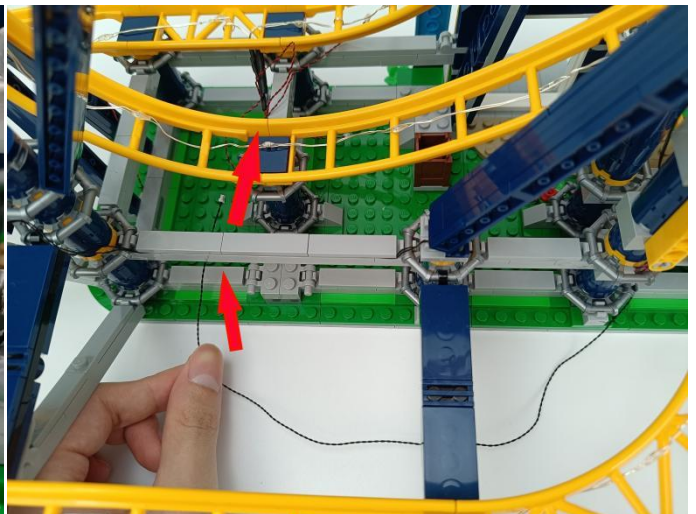
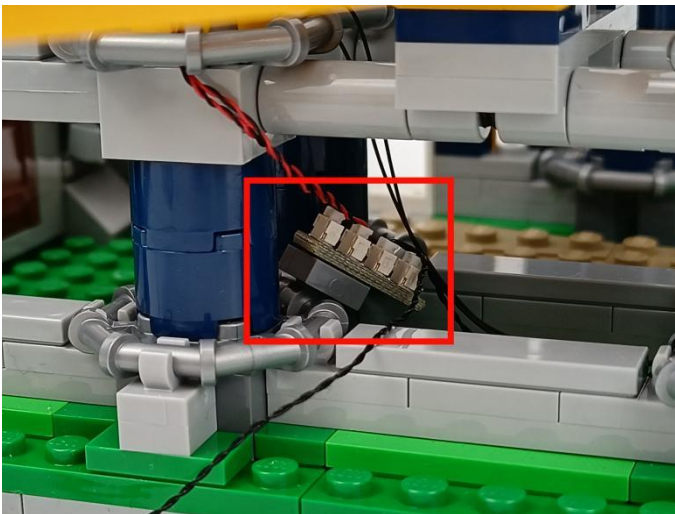
67



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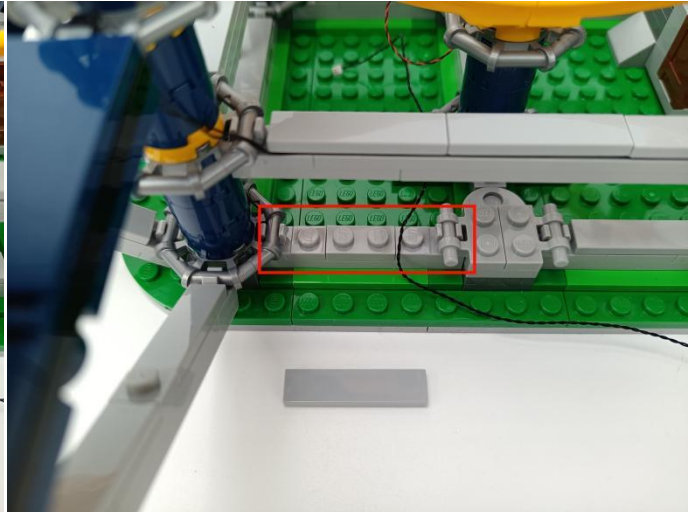
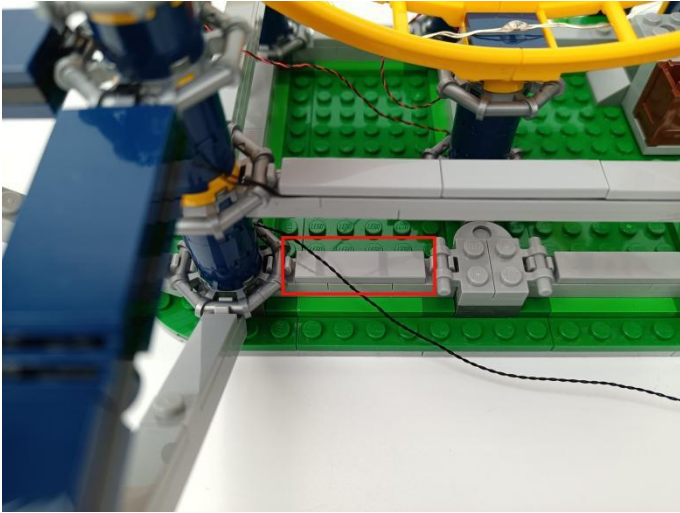


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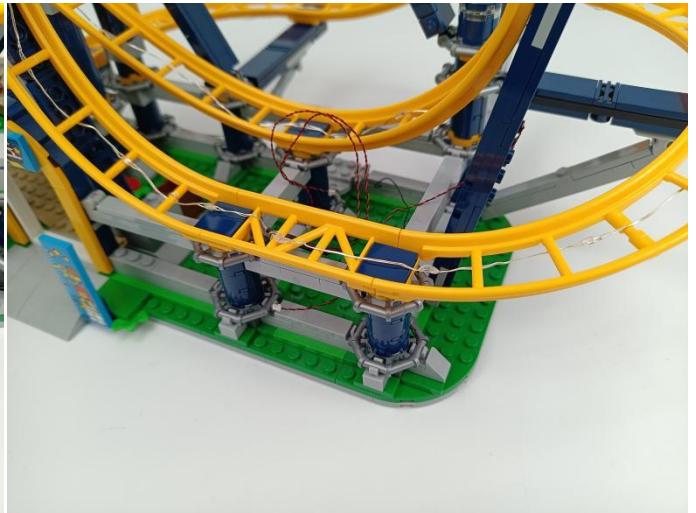
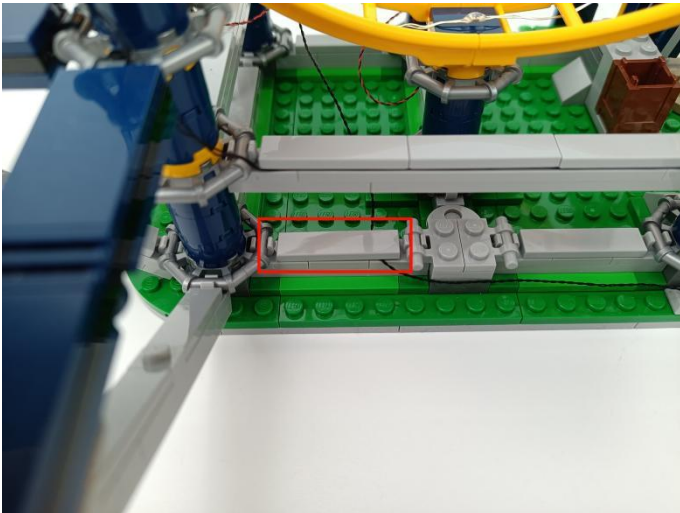




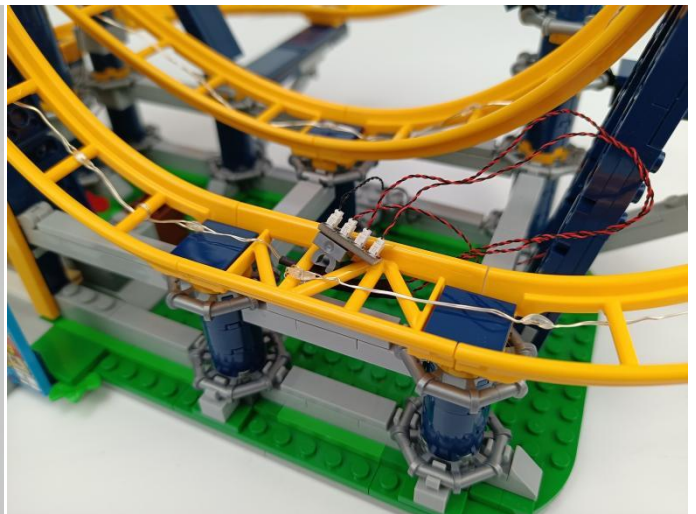
70



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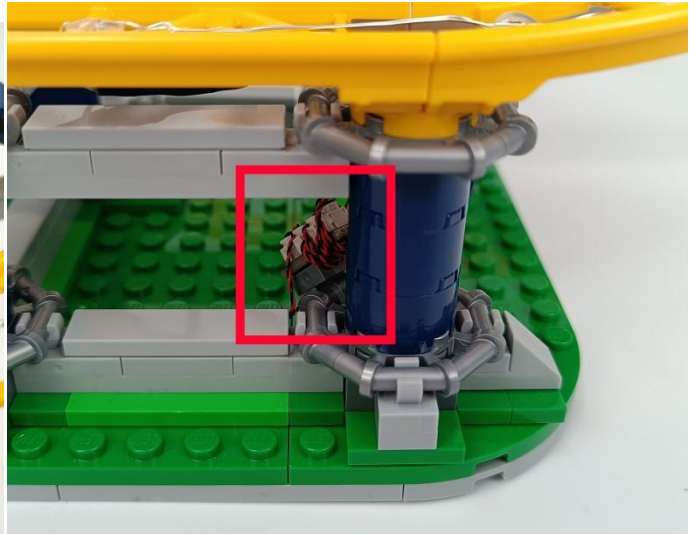
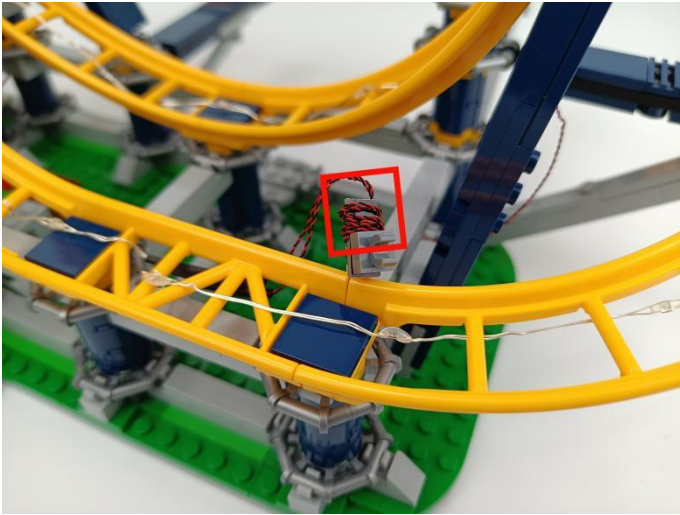


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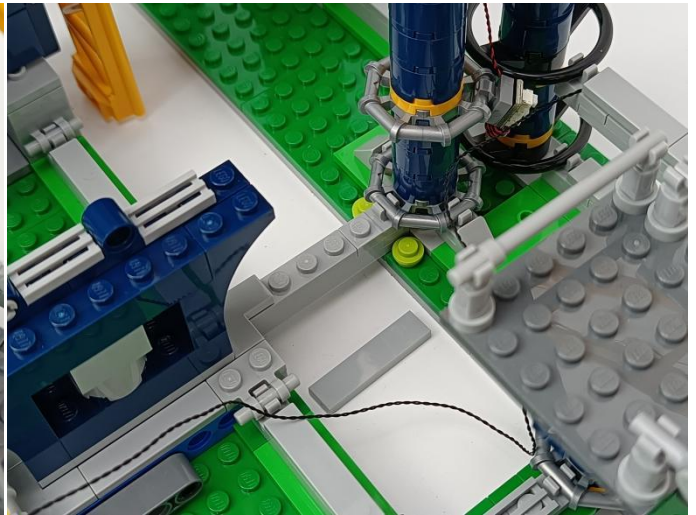
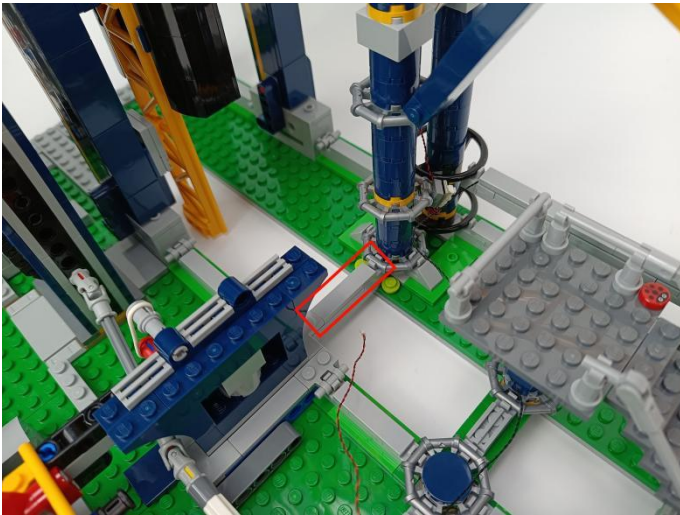




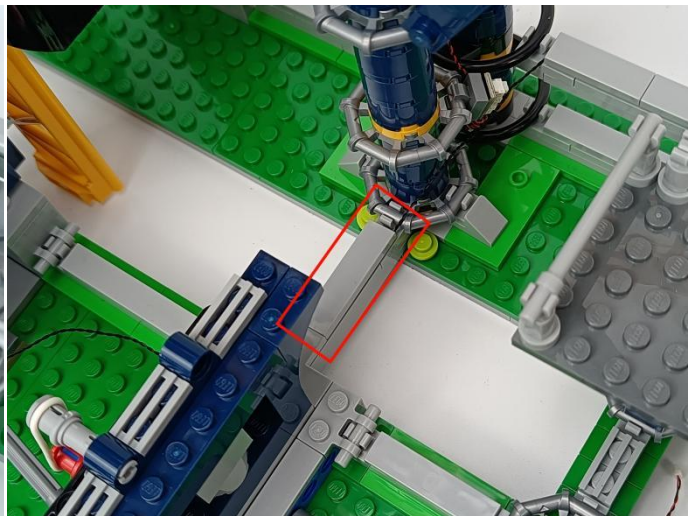
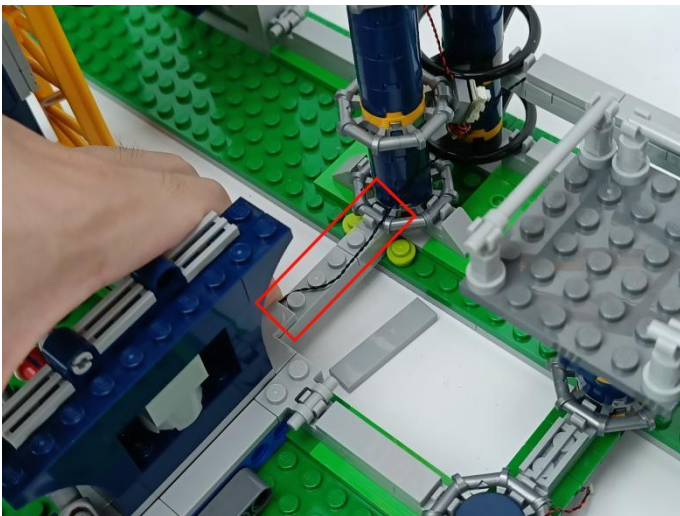
73



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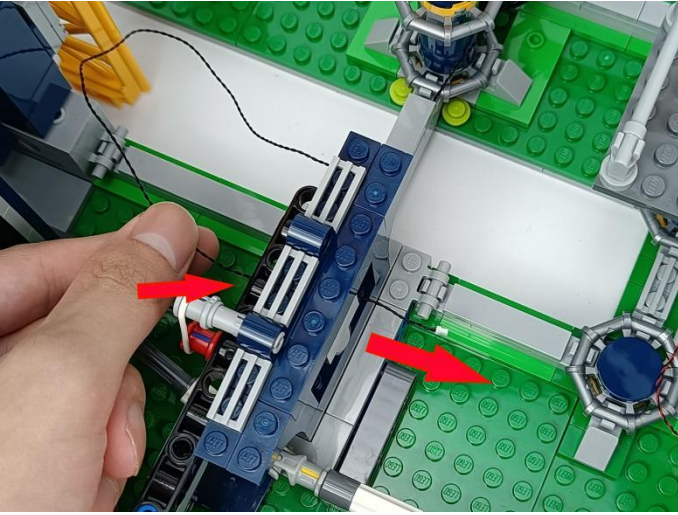


75

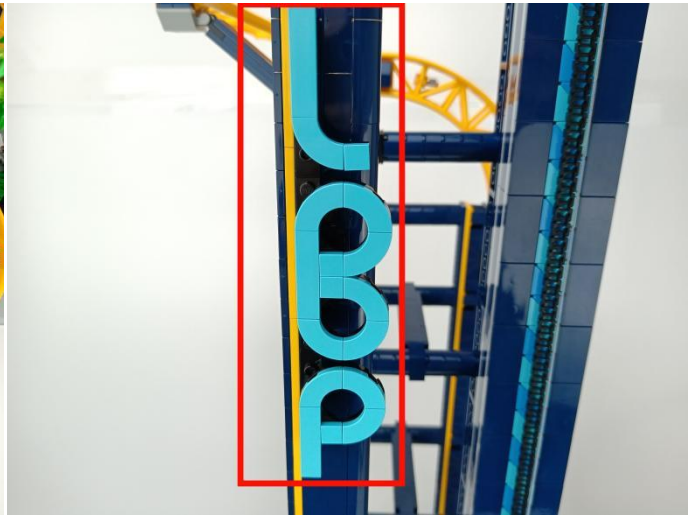




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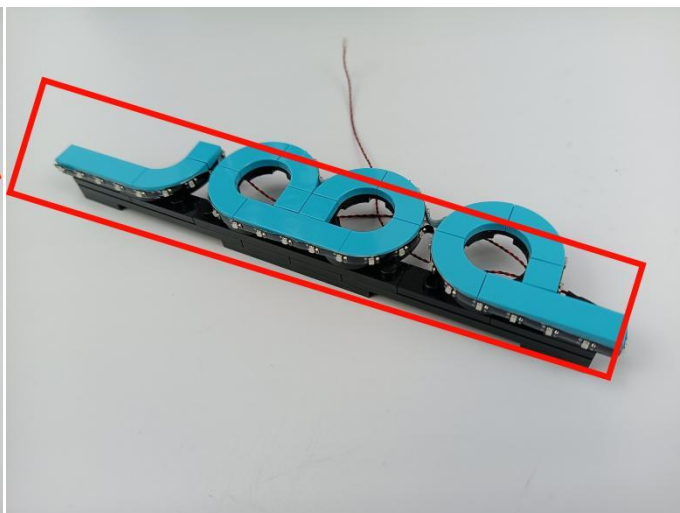
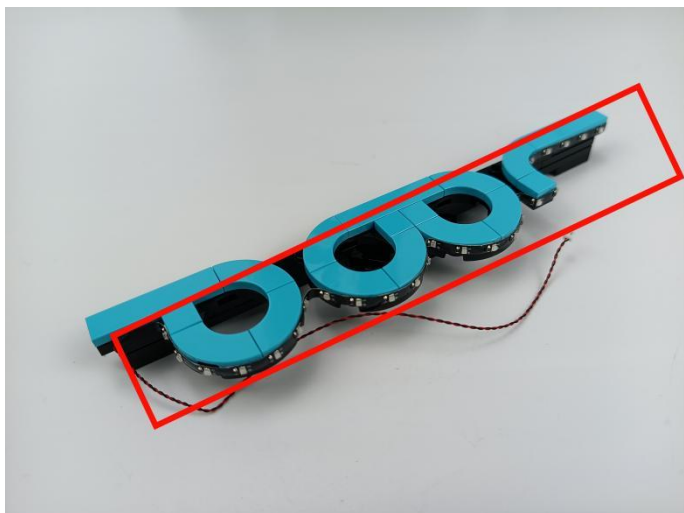
78



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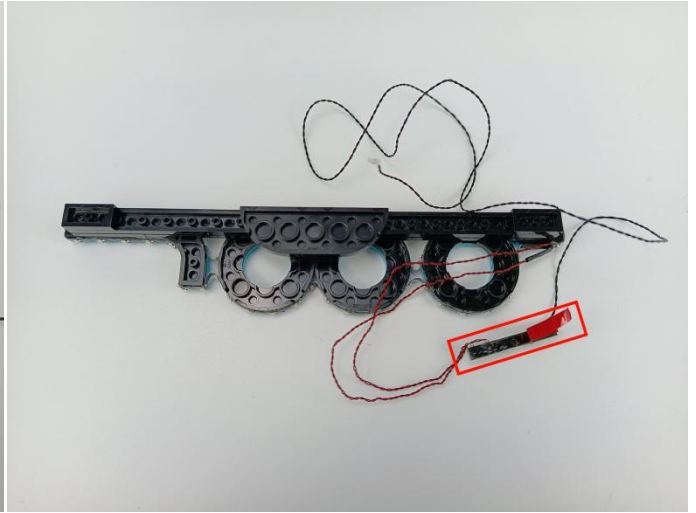
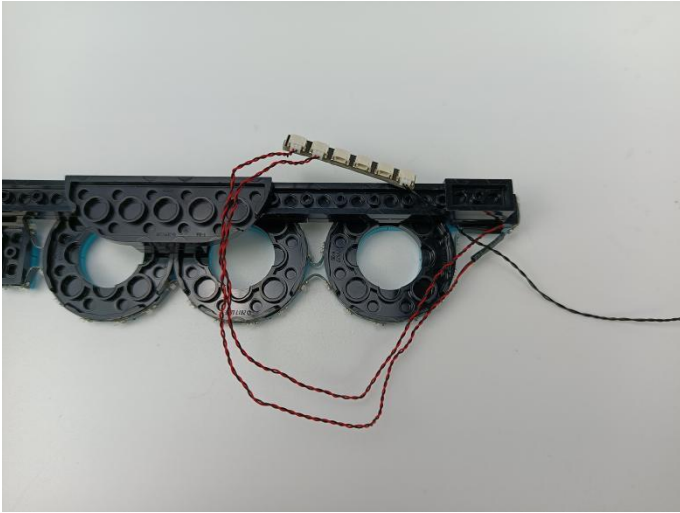


81

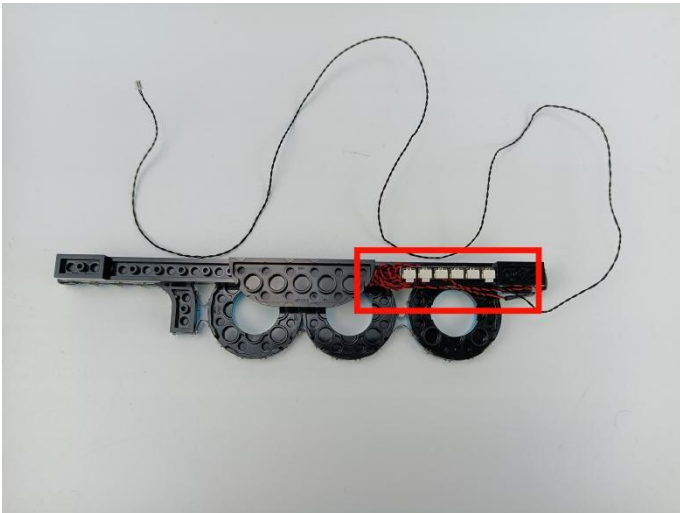




82

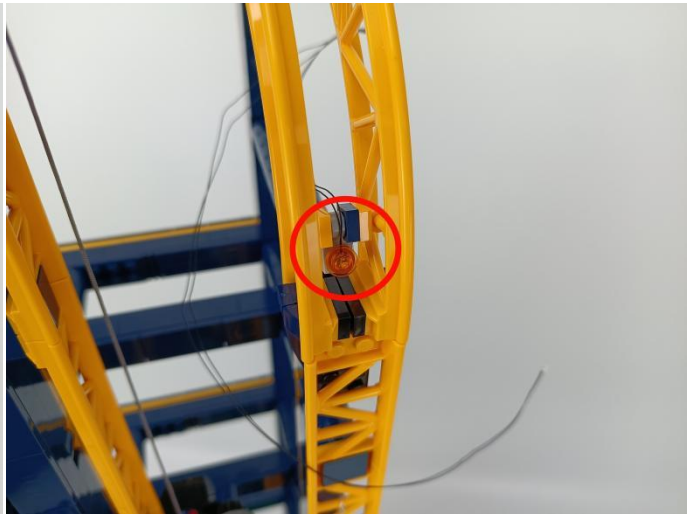
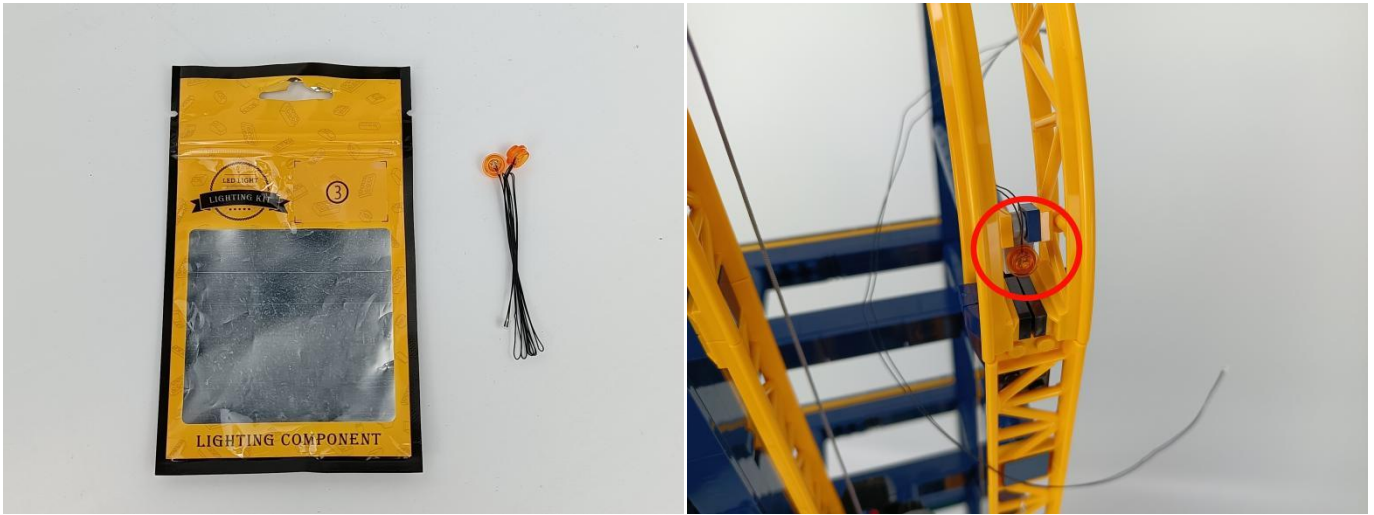


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Look towards the top of the model.



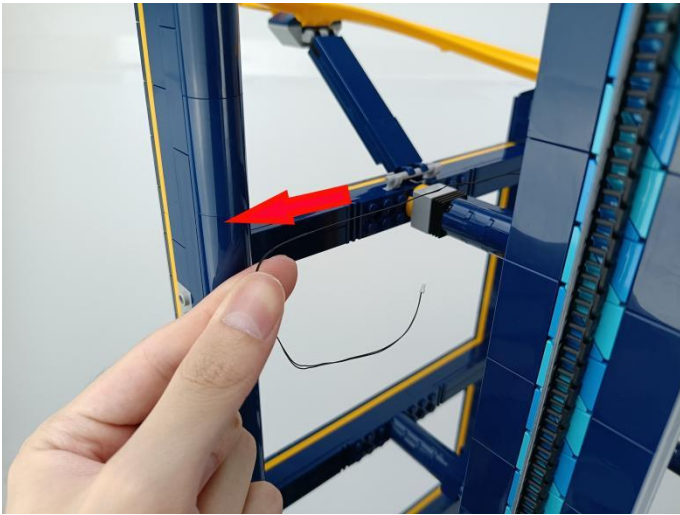


**Look at the top and install the lighting wire.**

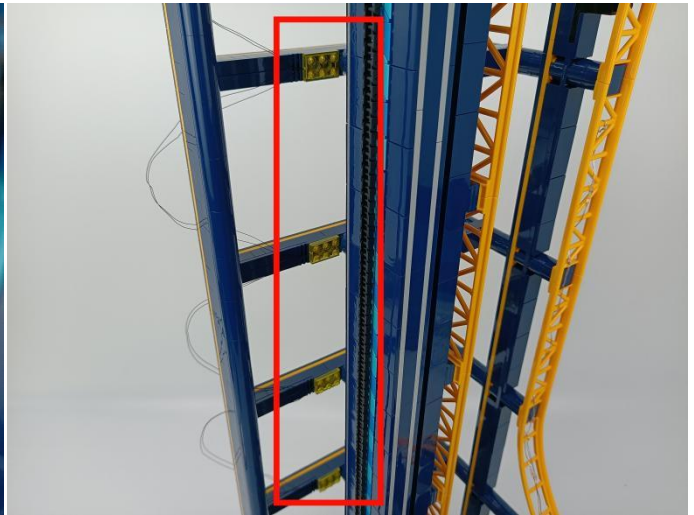
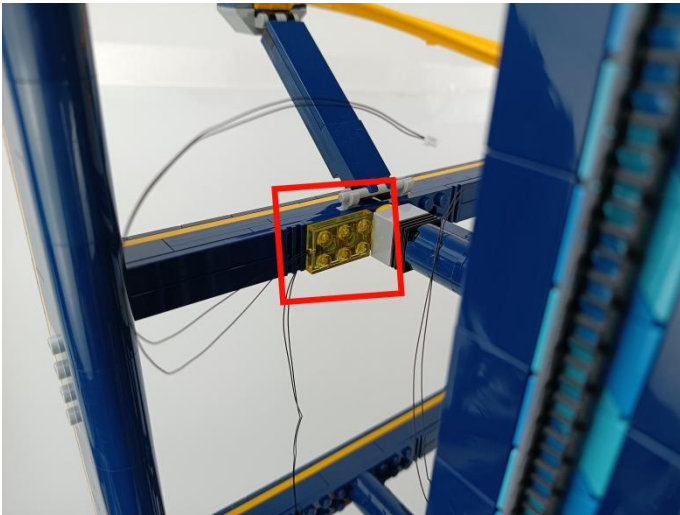




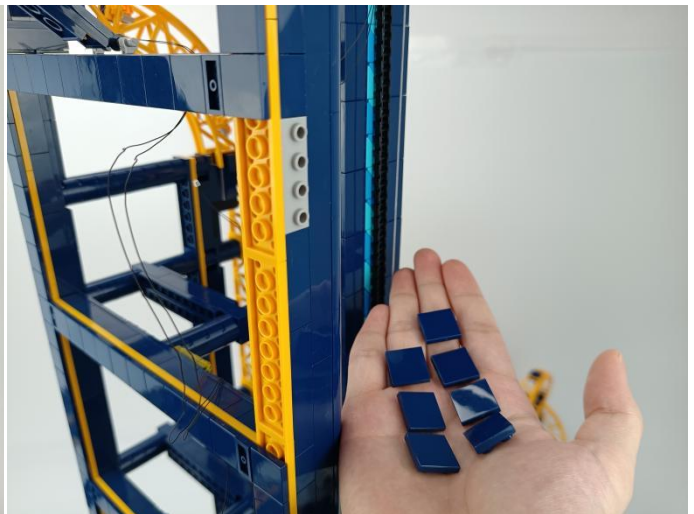
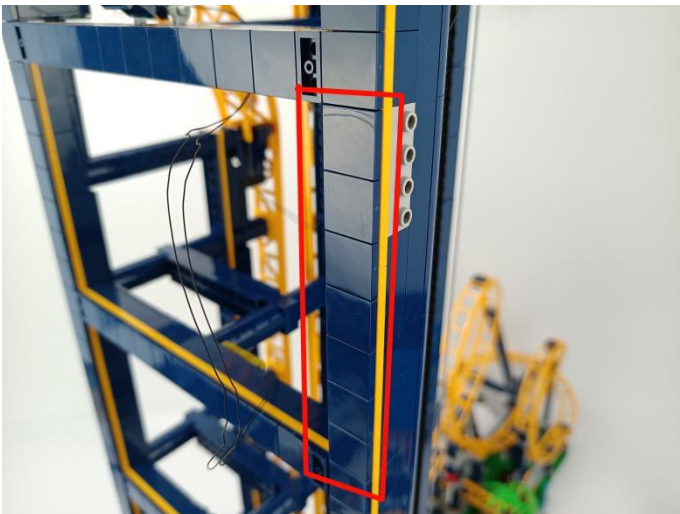
**Pull the lighting cord all the way to the left.**



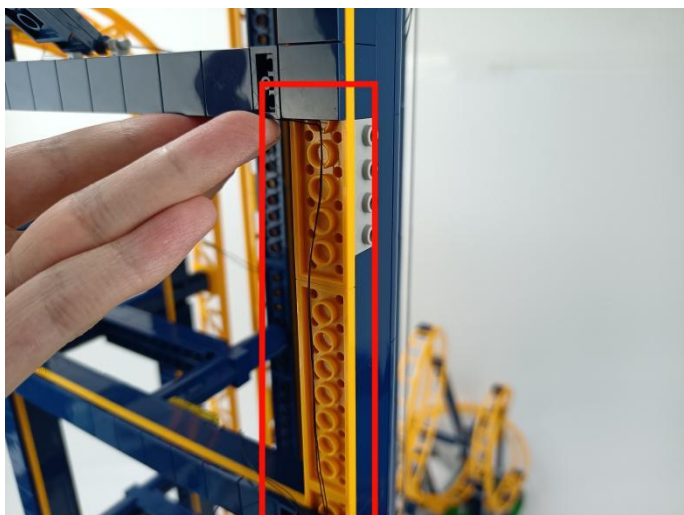
**85**



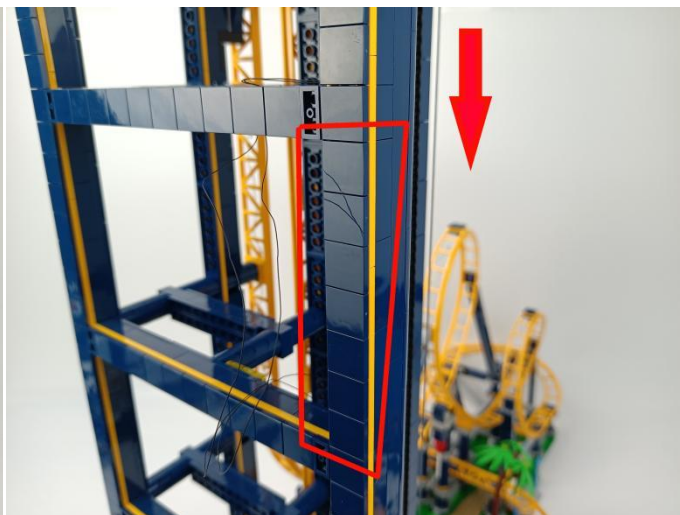
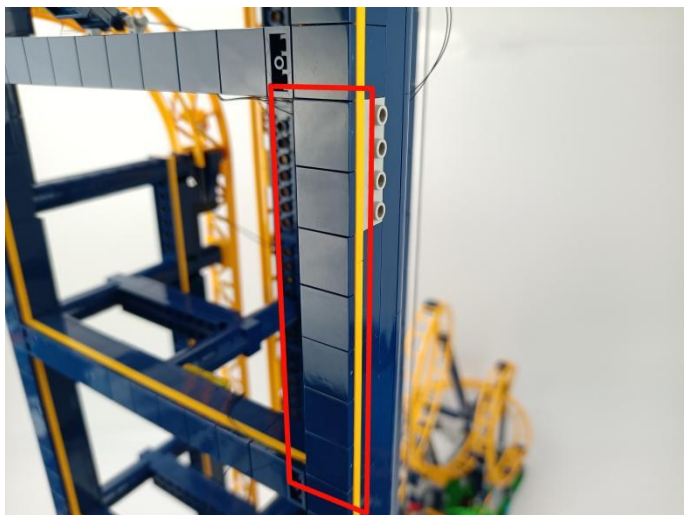
**86**



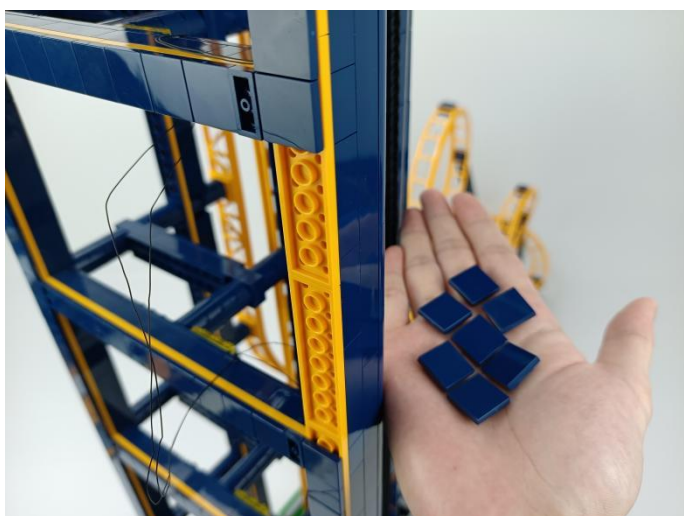
87



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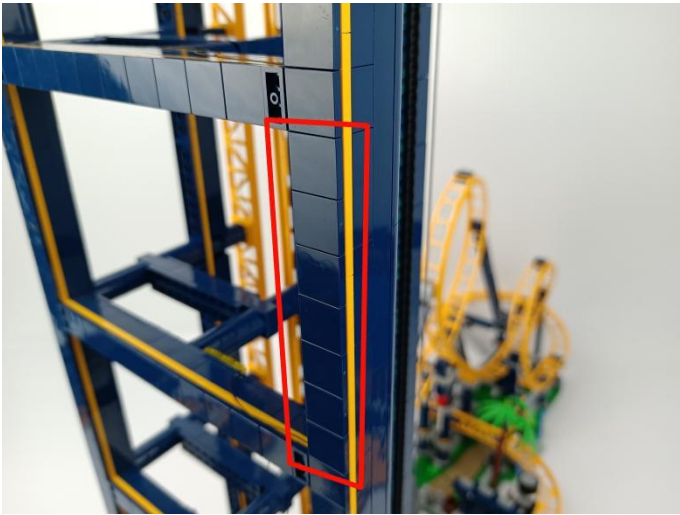


89

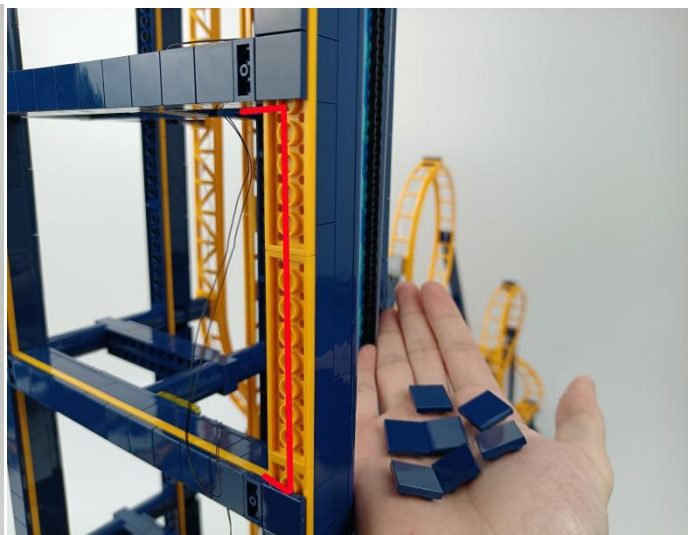
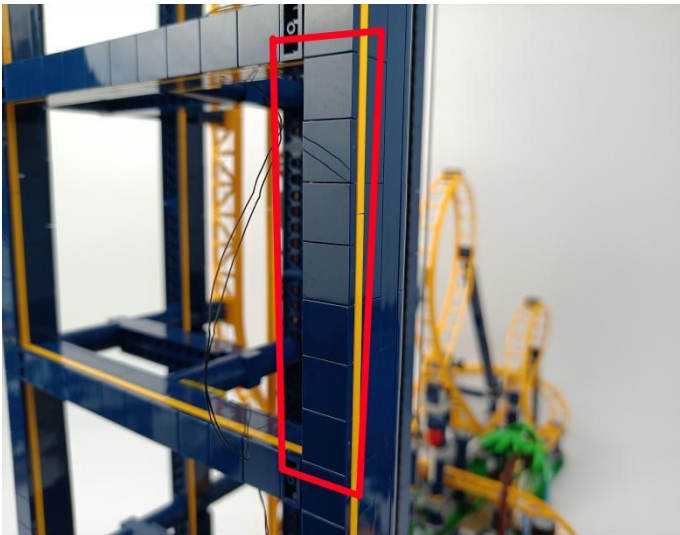




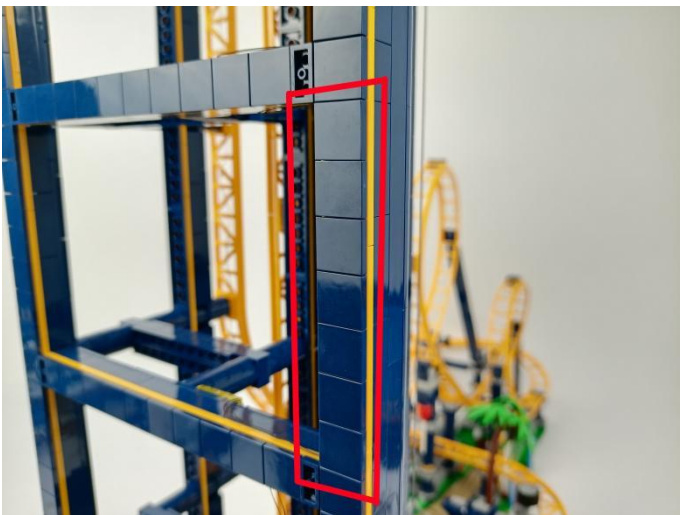
**Restore the blue building blocks, and place the lighting line at the bottom.**



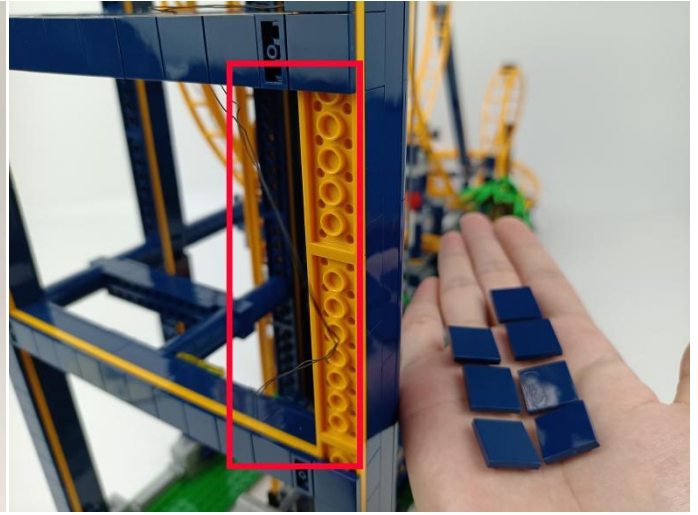
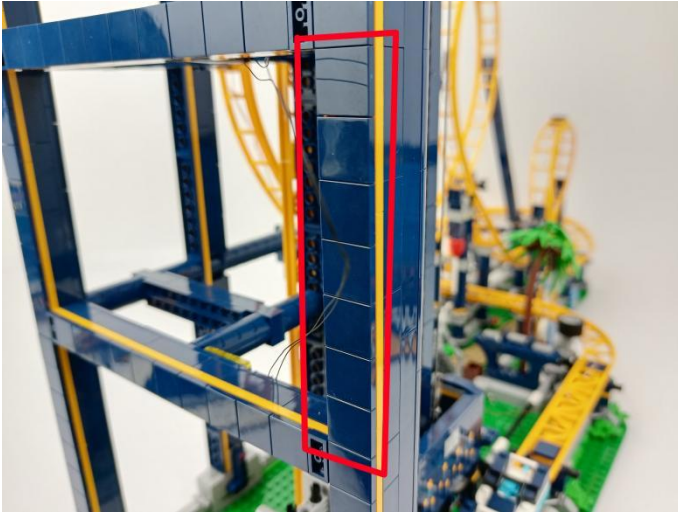
**Arrange the lighting line according to the red line, then restore the building blocks, and place the lighting line at the bottom.**



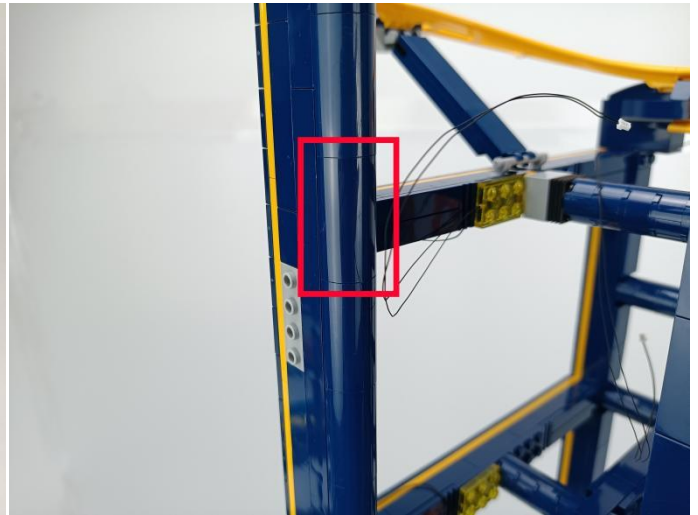
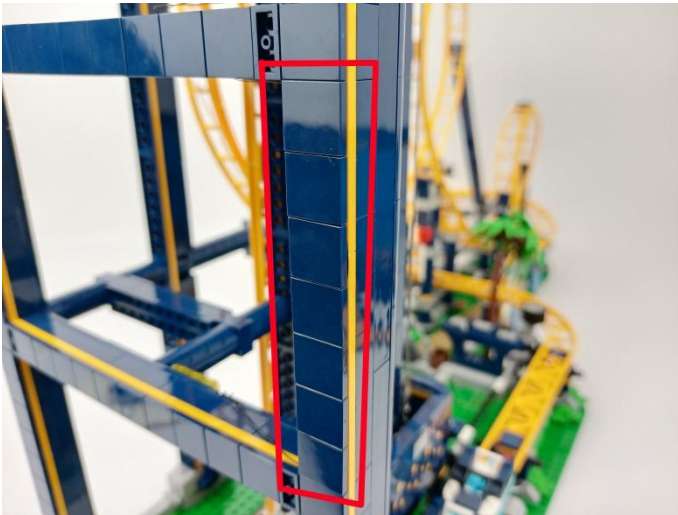
**90**



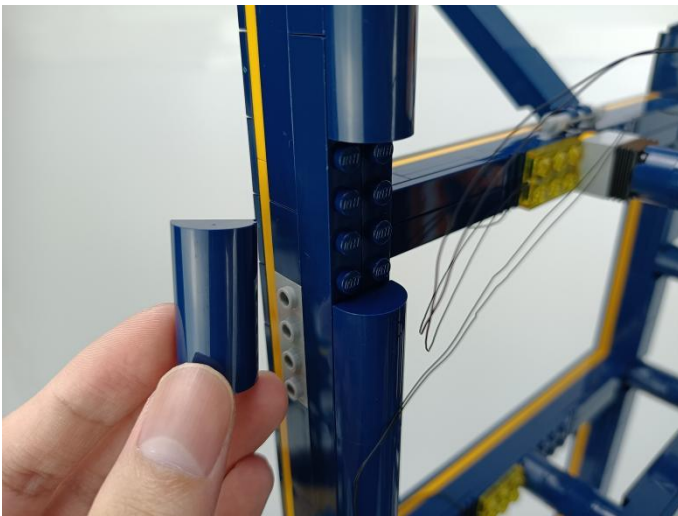
91



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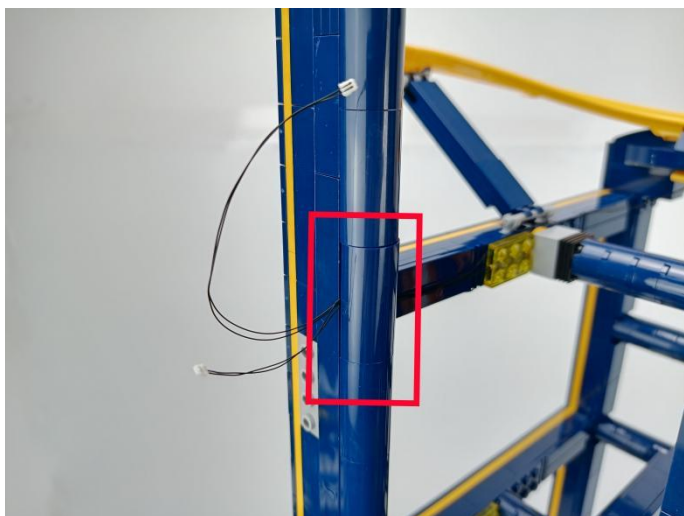


93

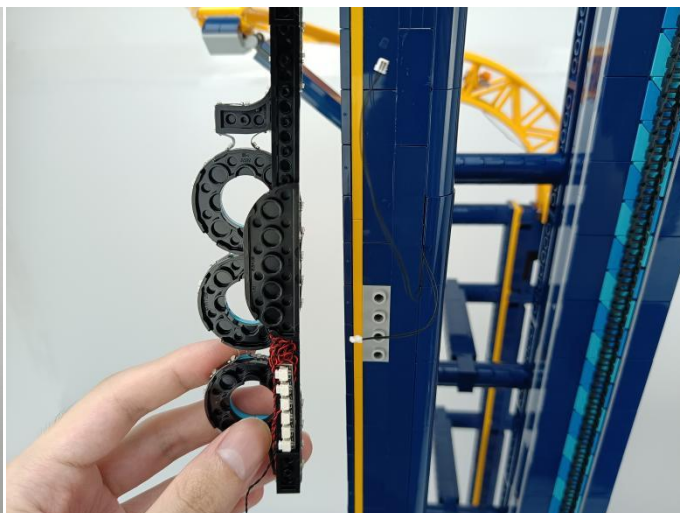
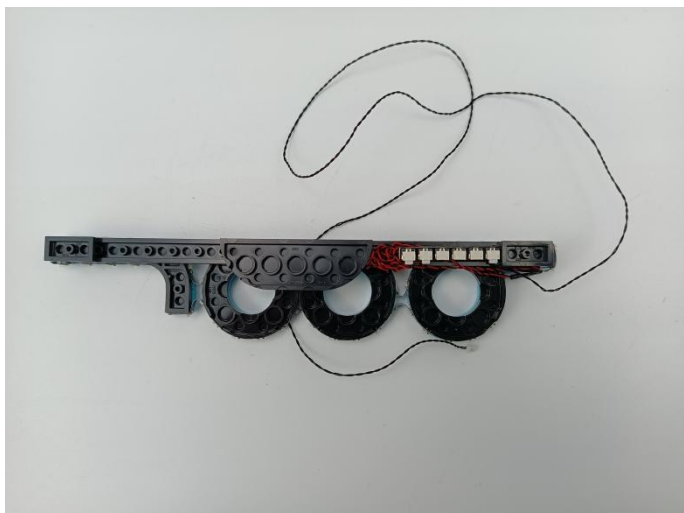




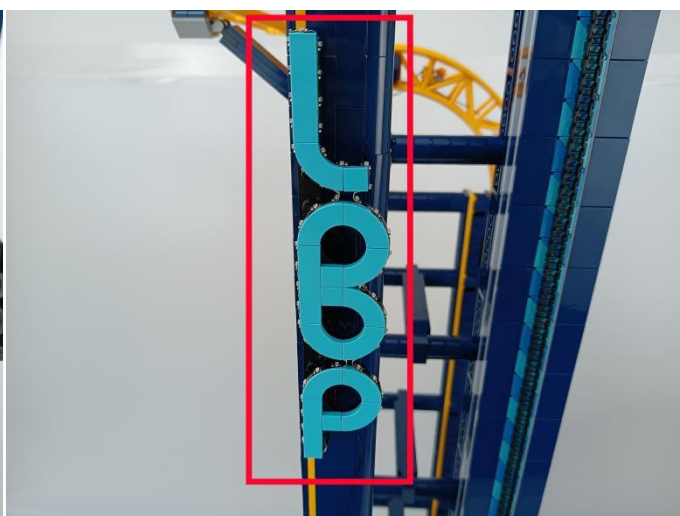
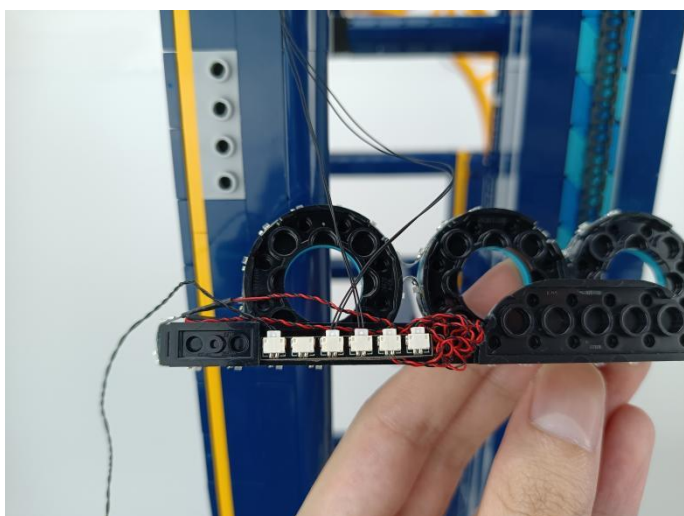
Put the lighting wire between the bumps of the building block, restore the building block.



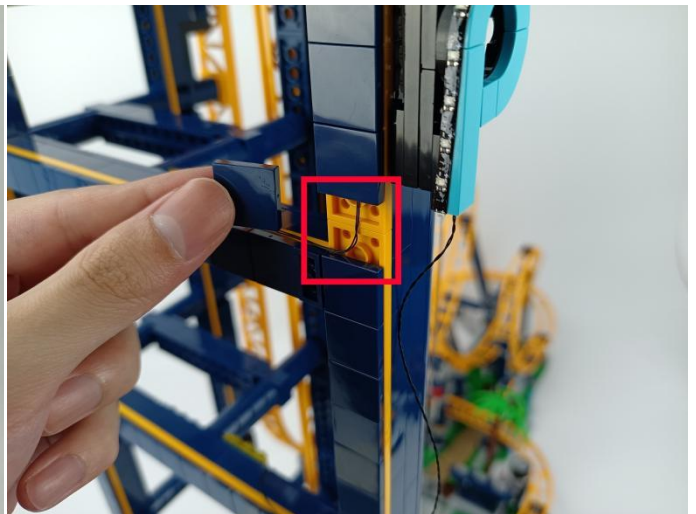
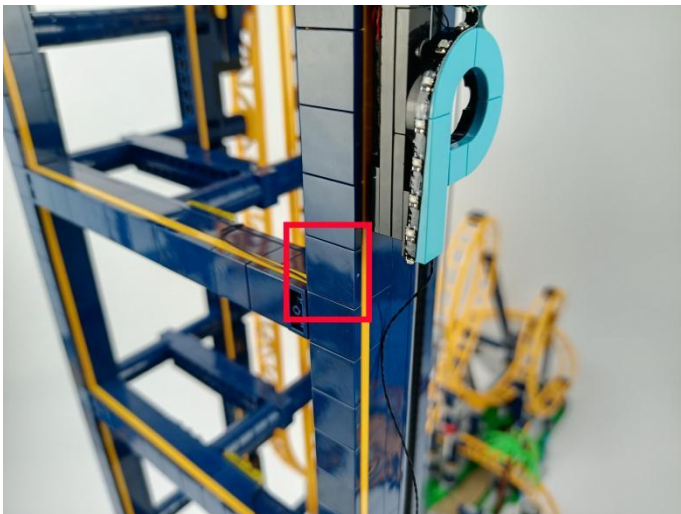
94



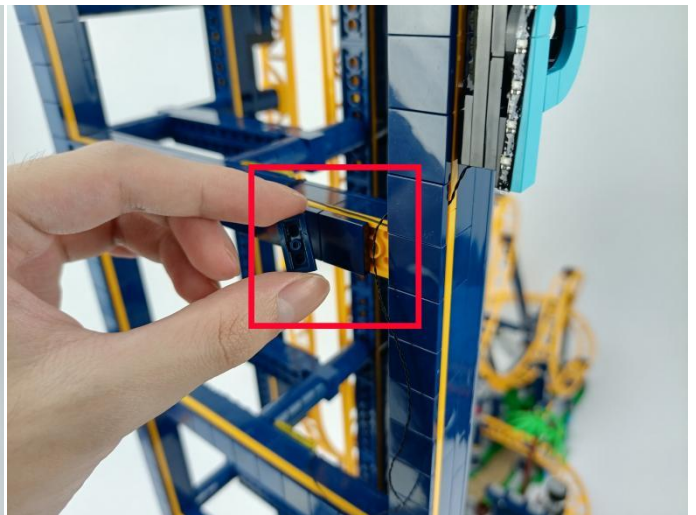
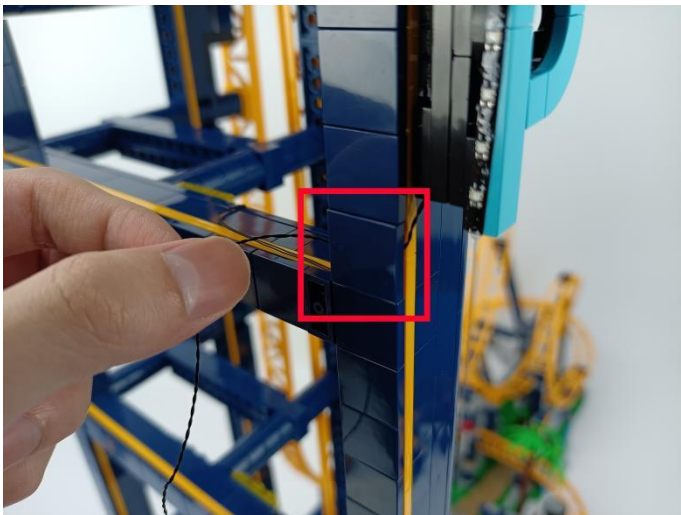
95



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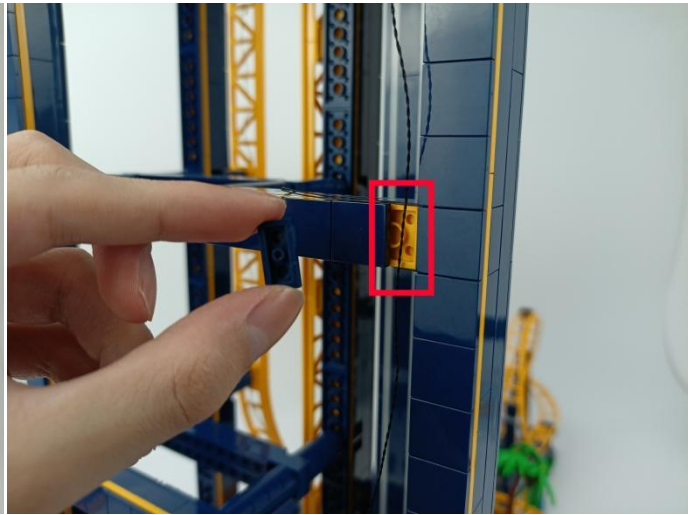
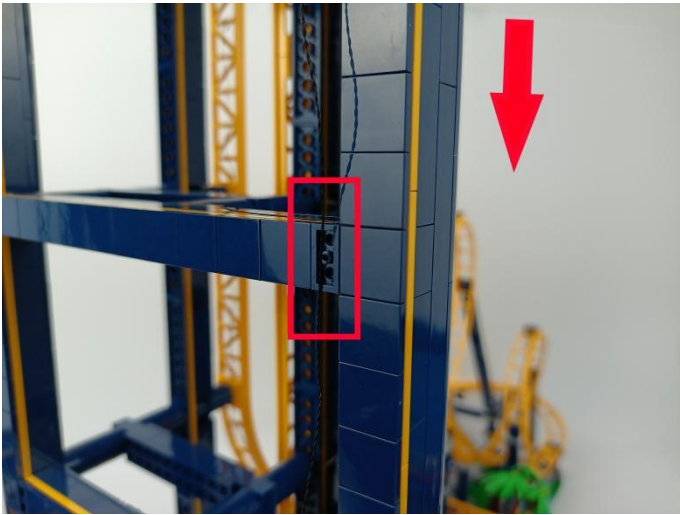


98

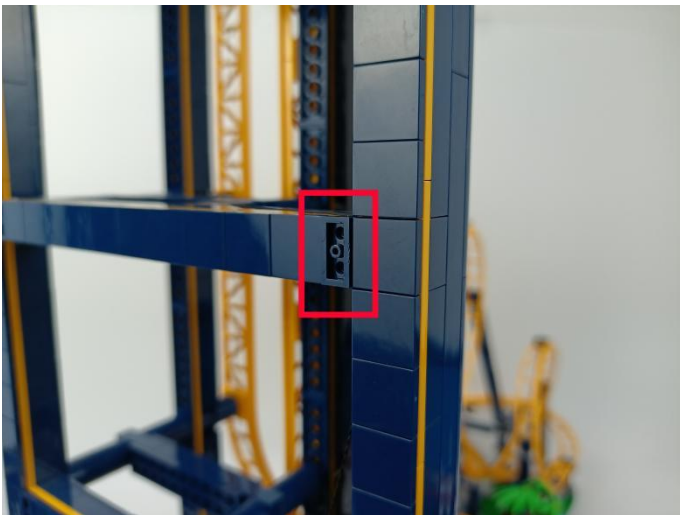




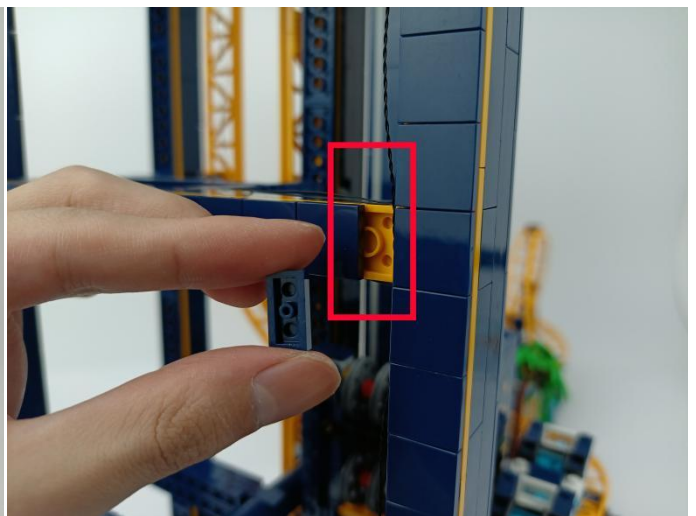
99



100



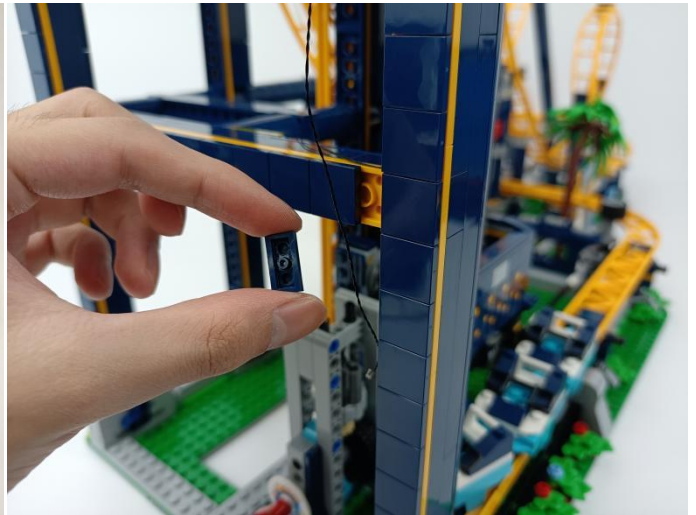
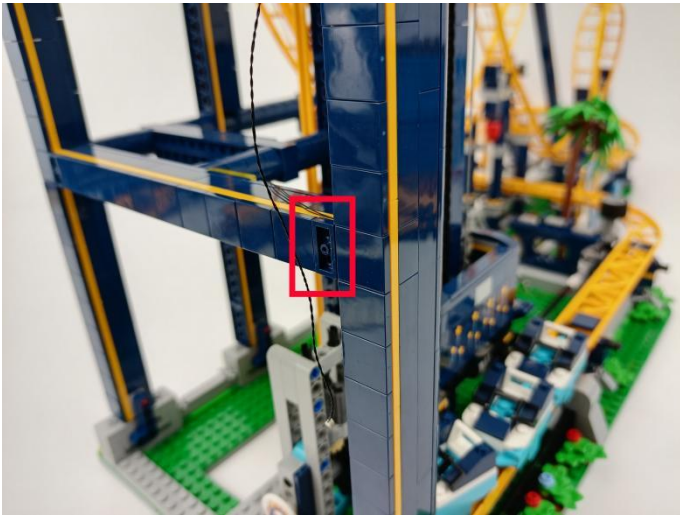
101



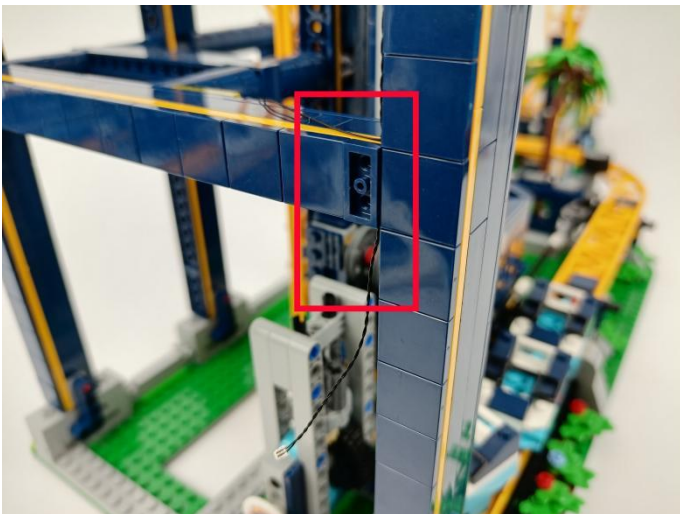
Restore the building blocks and place the connecting line at the bottom.



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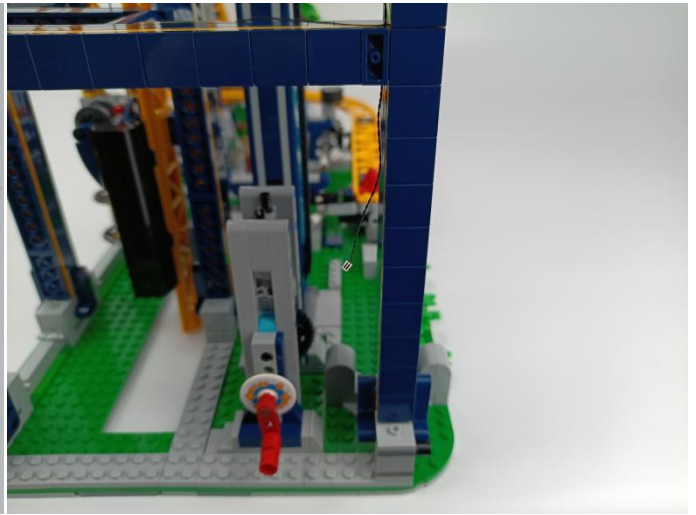


103

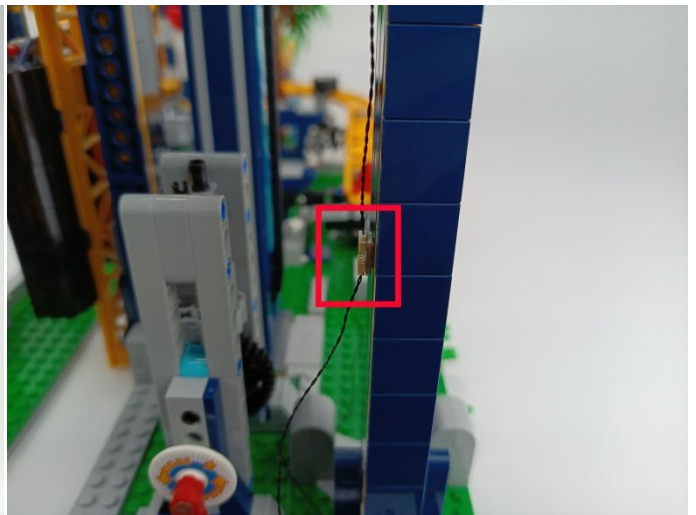
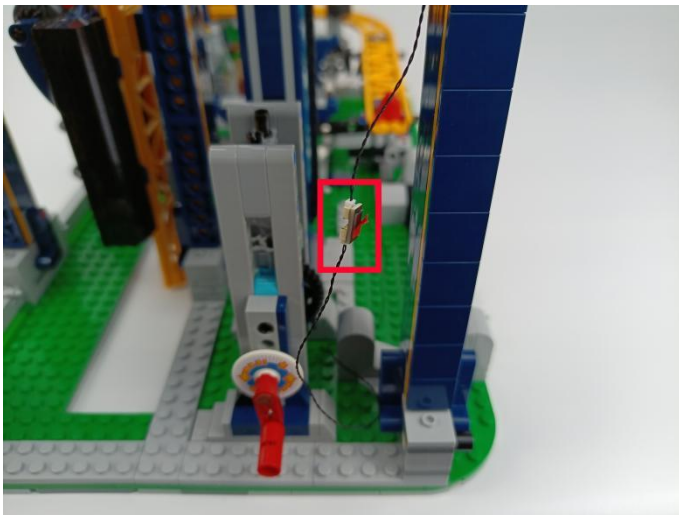




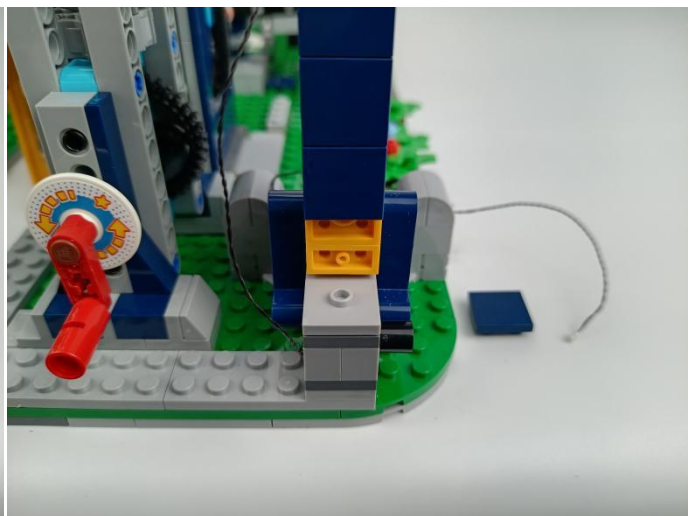
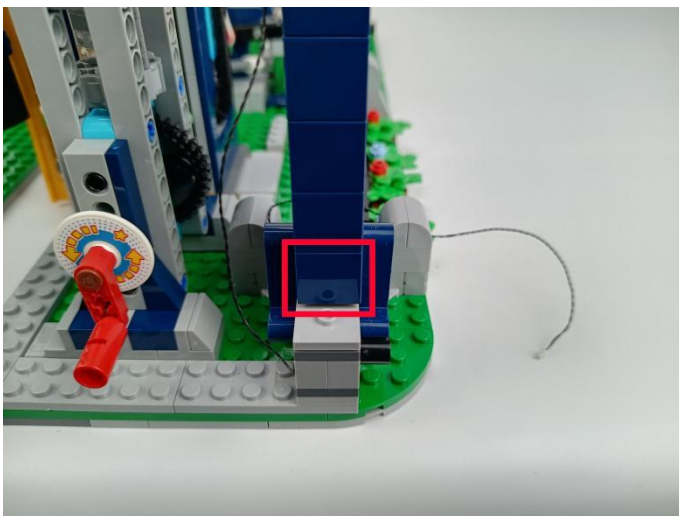
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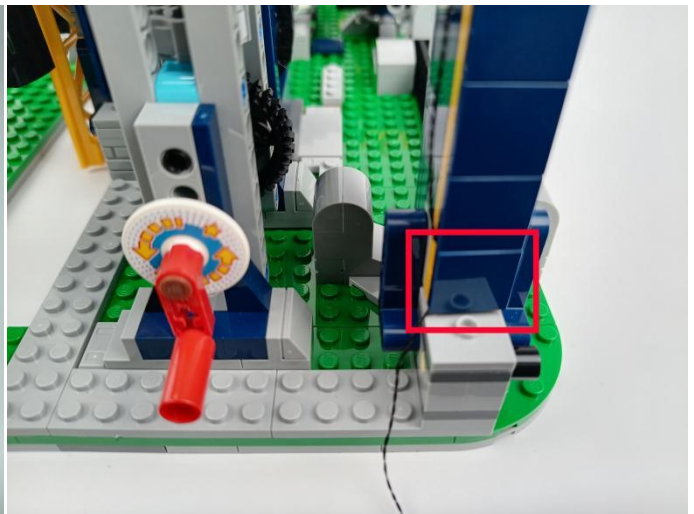
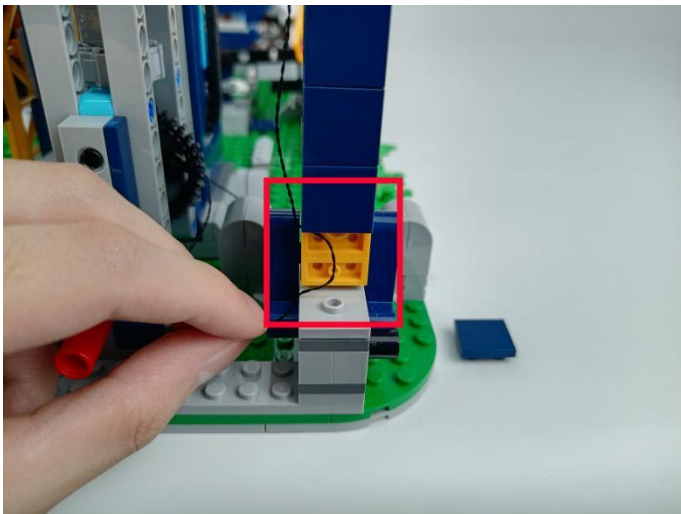
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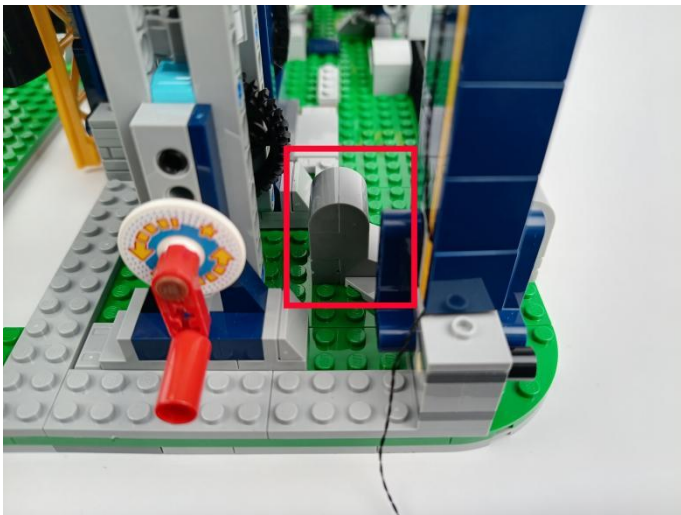
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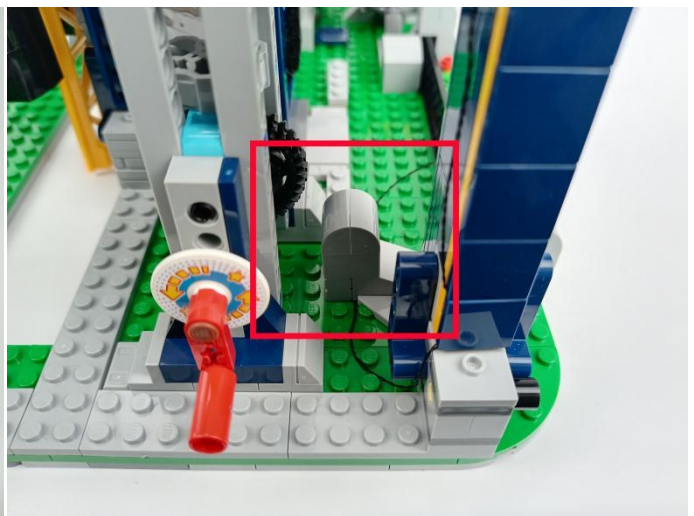
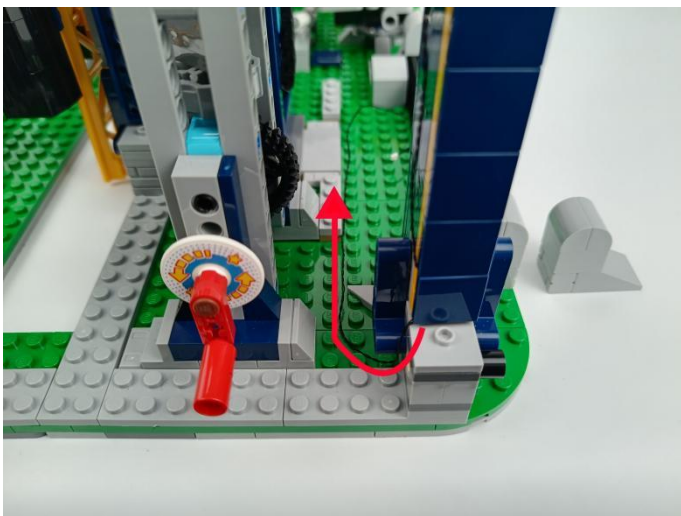
107



108



109





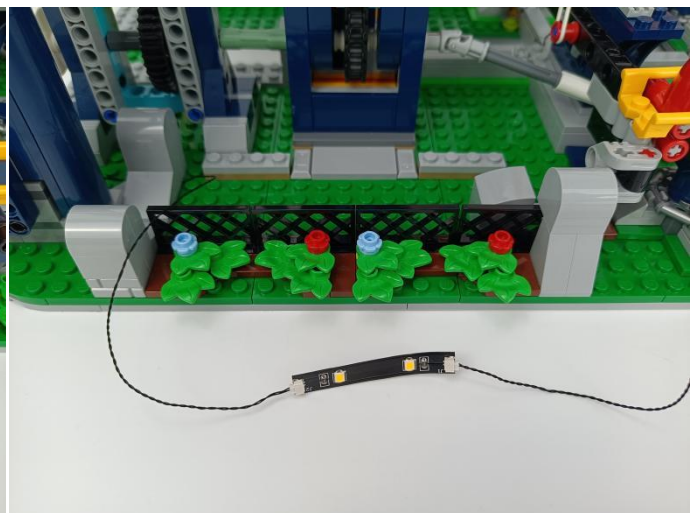
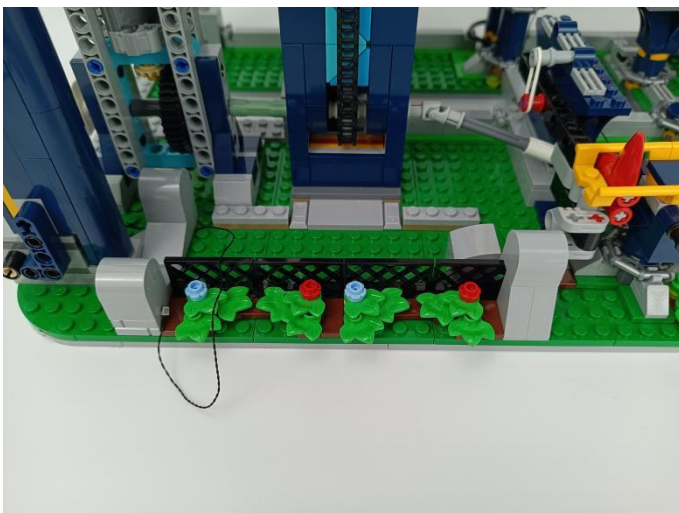
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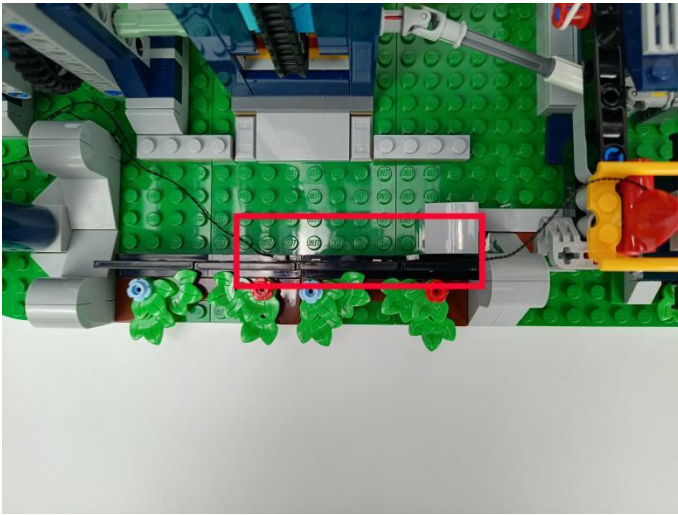
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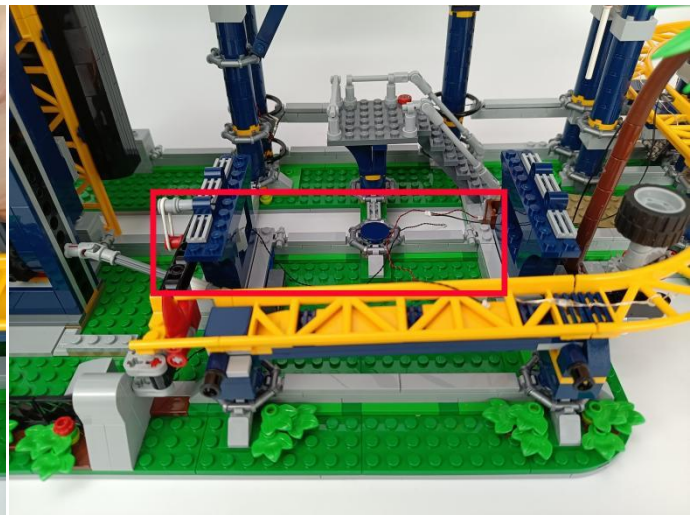
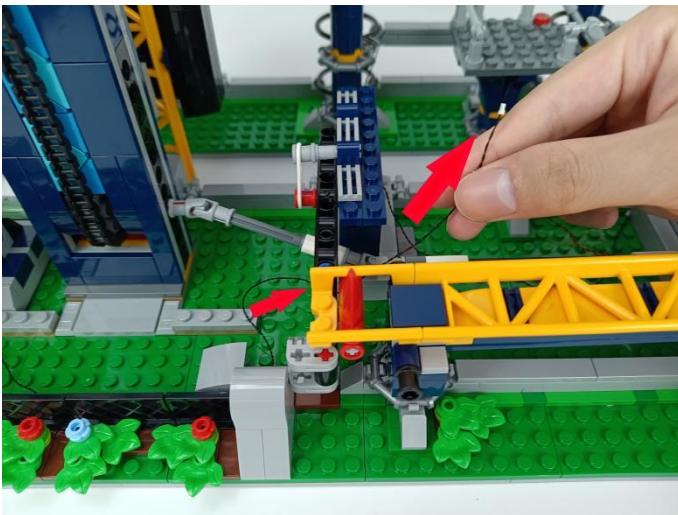
112



# 113



# 114



# 115

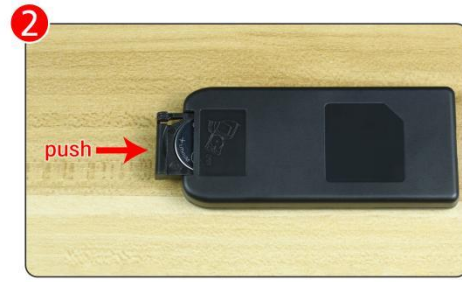
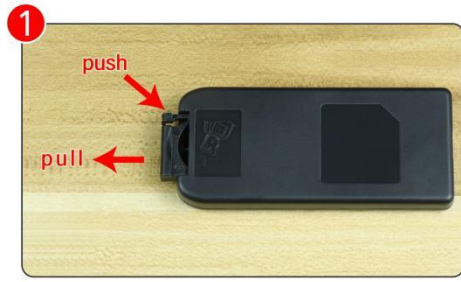


Remote control function description

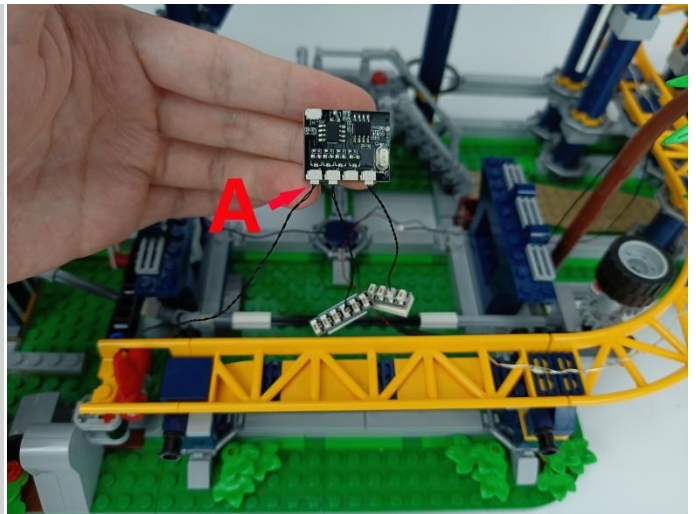
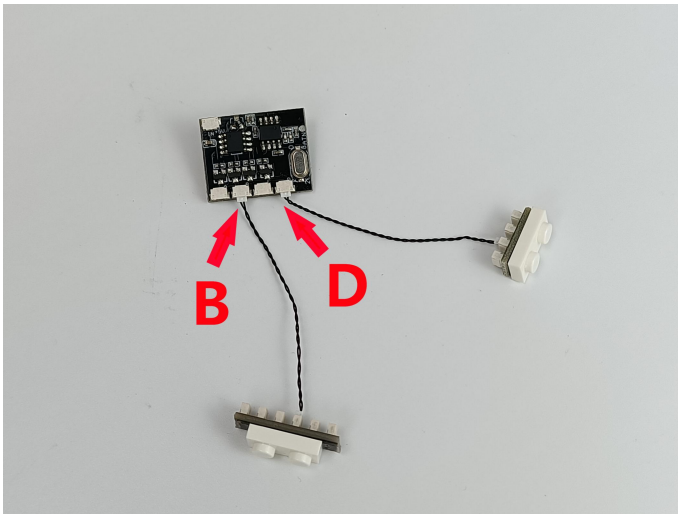
- ON: All branches are opened
- OFF: all branches are closed
- A: open/close A road
- B: open/close B road
- C: open/close C road
- D: open/close D road
- FS: Turn on blinking for the last open channel
- BLN: Start breathing for the last opened path
- ↑: Increase blinking/breathing rate
- ↓: Increase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



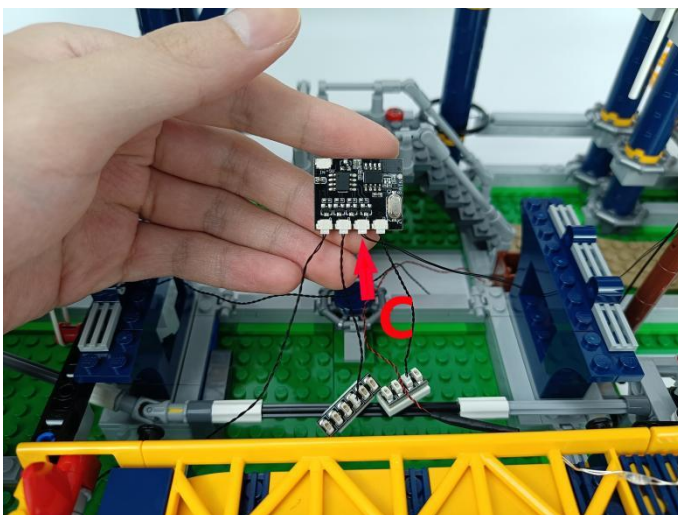
The remote control does not contain batteries, please buy a CR2025 or CR2032 button battery in the nearest store and install it in the remote control.



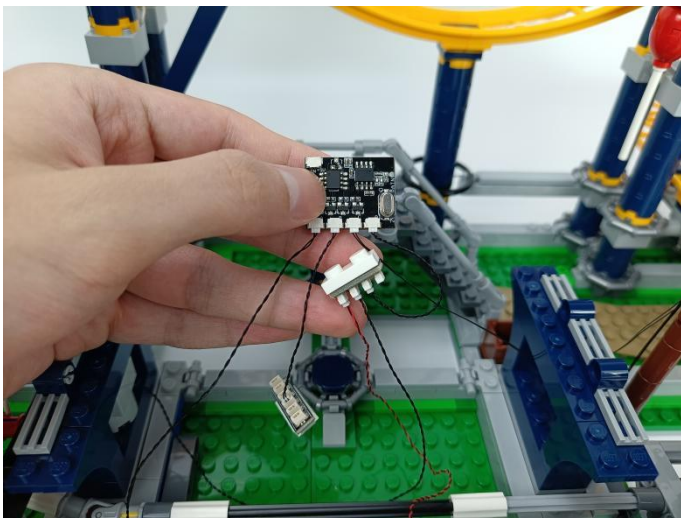
## 116



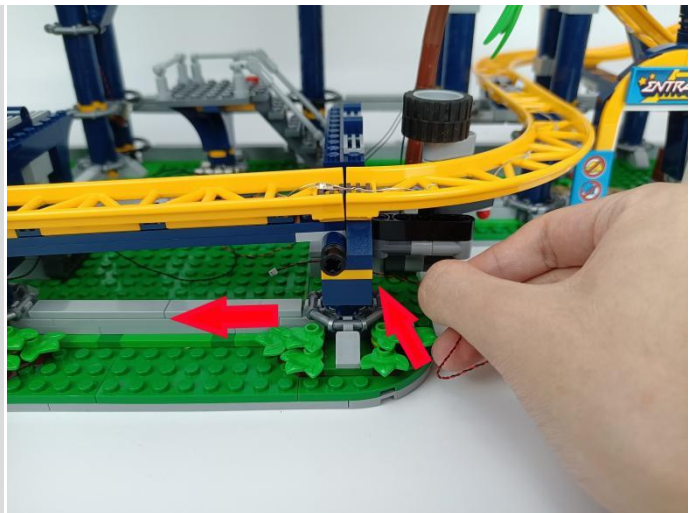
## 117



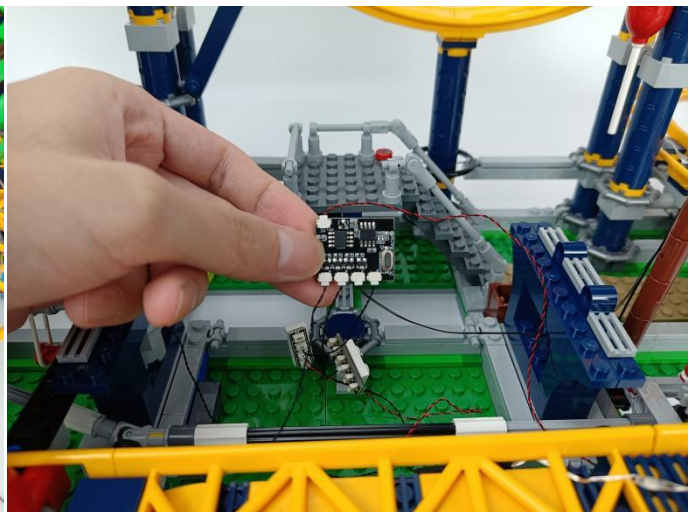
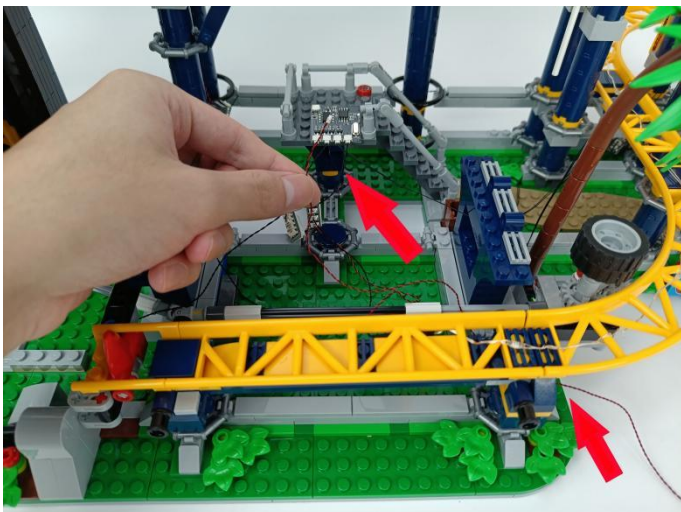
**118.** Connect the colorful string lights and the black cable to the expansion board.



**119**

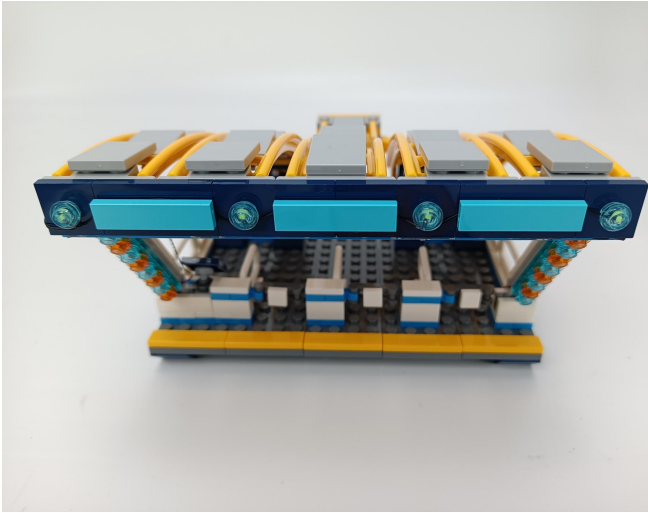


**120**

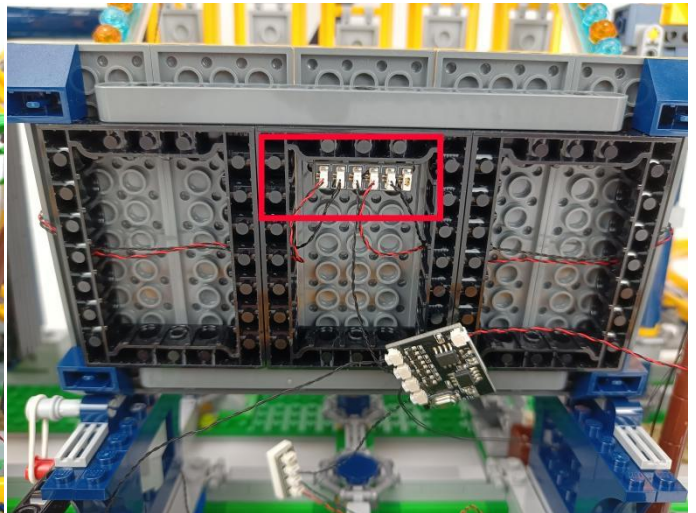
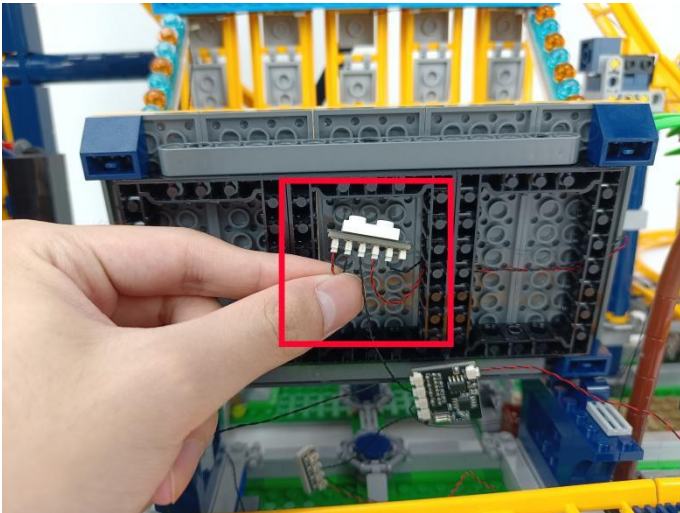




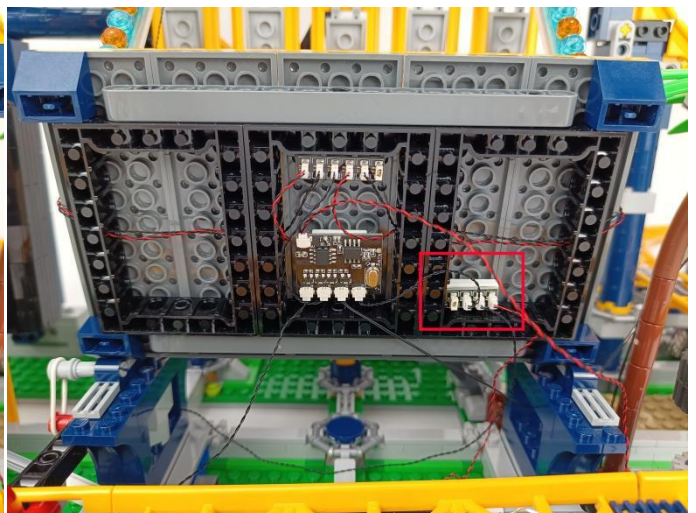
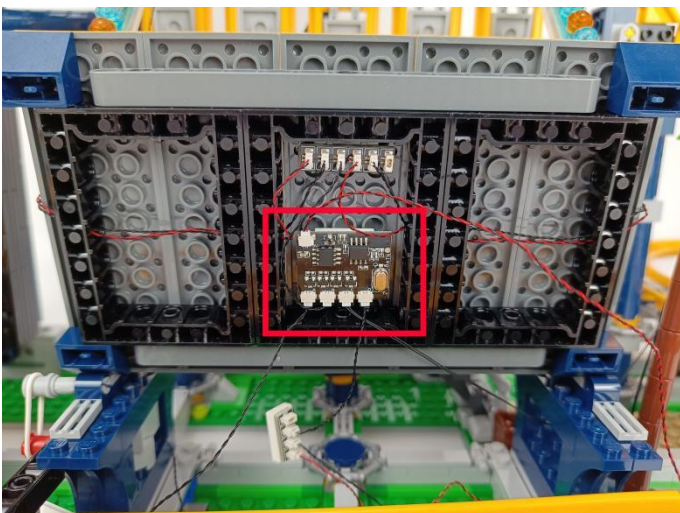
121



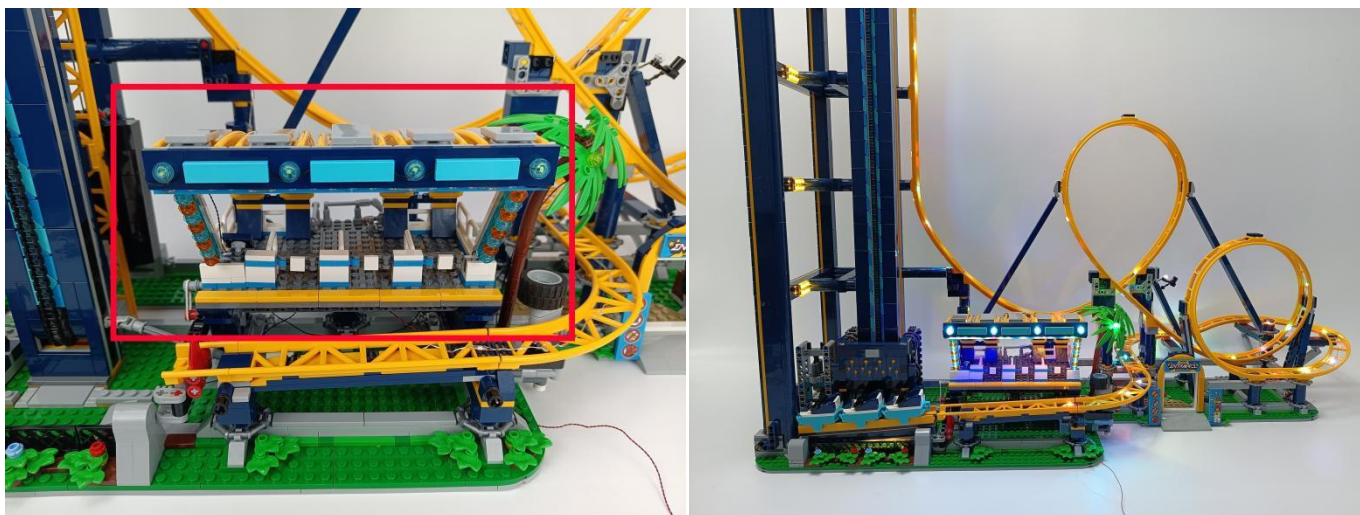
122. Connect all the wires in the middle to the expansion board.



123







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**