

# 21348 Dungeons & Dragons: Red Dragon's Tale P64602

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



# Strategies for the Installation

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

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

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

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

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

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

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

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

There are 25 bags in this set. The name and quantities of specific components are as shown , please check carefully.

Label	Content	Quantity
A01001 Light-15CM Warm White	Light-15CM Warm White	8
A01004 Light-15CM Green	Light-15CM Green	1
A01008 Light-30CM Blue	Light-30CM Blue	1
A01010 Light-30CM Red	Light-30CM Red	1
A01018 Light-15CM Pink	Light-15CM Pink	1
A01024 High-Brightness light 15CM-Warm White	High-Brightness light 15CM-Warm White	3
A01025 Light-15CM Cyan	Light-15CM Cyan	1
A01101 LED Strip Red	LED Strip Red	2
A01105 LED Strip Warm White	LED Strip Warm White	4
A012 Expansion Board	4 Socket Expansion Board	3
	6 Socket Expansion Board	3
	8 Socket Expansion Board	1
A01408 USB Power Cable	USB Power Cable	1
A01501 Connecting Cable 5CM	Connecting Cable 5CM	3
A01502 Connecting Cable 15CM	Connecting Cable 15CM	2
A01503 Connecting Cable 30CM	Connecting Cable 30CM	2
A01504 Connecting Cable 50CM	Connecting Cable 50CM	1
A01505 Connecting Cable 10CM	Connecting Cable 10CM	1
A01506 Connecting Cable 20CM	Connecting Cable 20CM	4
A02550 Light Strip-Red-COB	Light Strip-Red-COB	2
A1031 High-Brightness Light 15CM-Red	High-Brightness Light 15CM-Red	1
A1032 High-Brightness Light 30CM-Red	High-Brightness Light 30CM-Red	1
A1033 High-Brightness Light 15CM-Green	High-Brightness Light 15CM-Green	2
A1034 High-Brightness Light 30CM-Green	High-Brightness Light 30CM-Green	1
A1036 High-Brightness Light 30CM-Blue	High-Brightness Light 30CM-Blue	1
A03801 Remote Control	Remote Control	1
Components		

Please contact us immediately if there have any missing components.

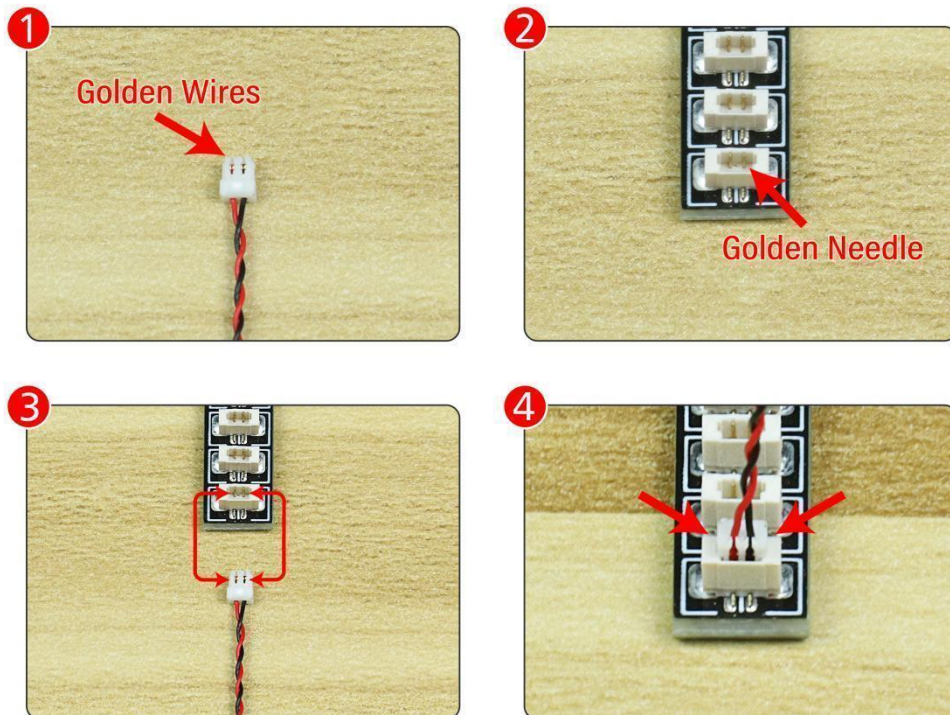
## Section B: Test that each components is working properly.

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



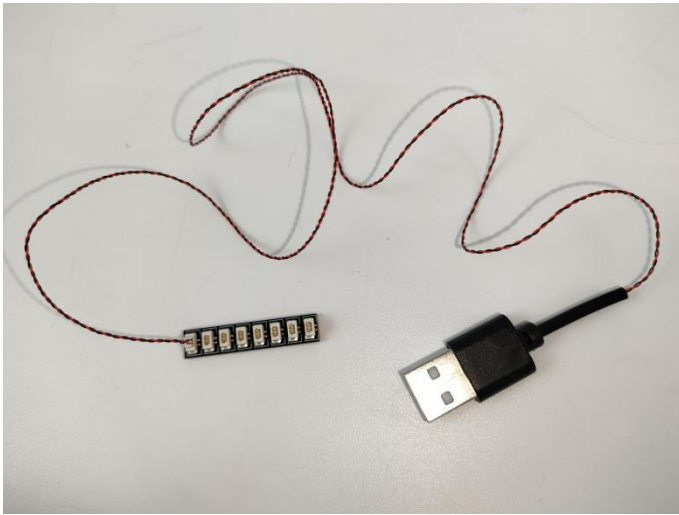
It is worth reminding that our products are all customized. They have a unique way of connecting. The white plug on wire and the socket of the expansion board need to be connected together to transmit power.

Note that on one side of the white plug you can see two very small golden wires that should be connected to the two golden needles in socket of the expansion board. shown as blow.



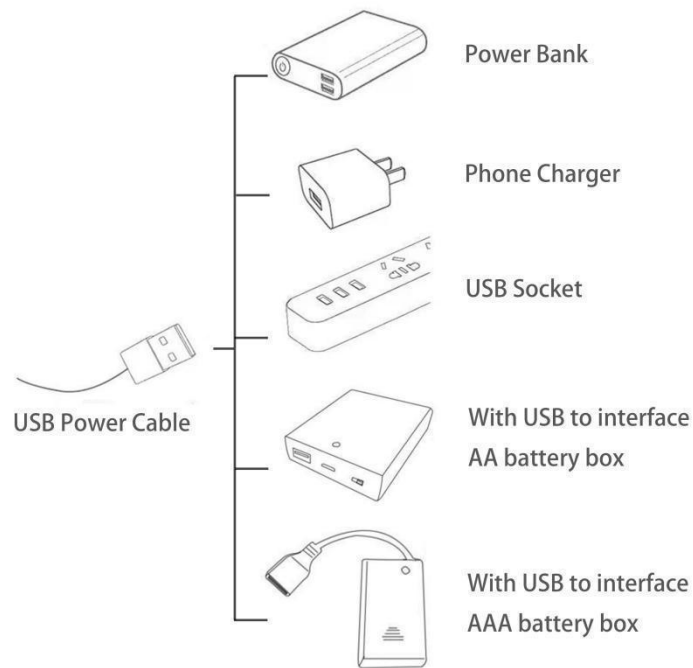
All our connections between plug and socket are all the same as shown above. So for any such structure with plug and socket, please pay attention to the golden wire of the plug and the golden needle of the socket, they must be touched together.

The connection method between the USB Power Cord and Expansion Boards is as follows:



The USB Power Cord can be powered by phone chargers, power banks, etc.

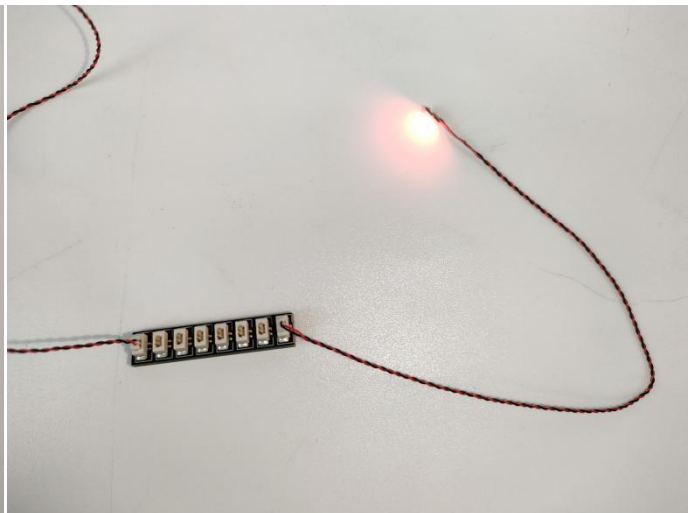
USB connectors to connect devices



**This instruction will use the power bank as power supply . The test structure is shown as follow. All lamp in this set will be tested by this structure.**



**When we test "A1031 High-Brightness Light 15CM-Red" particles,Take out the bag labelled "A1031 High-Brightness Light 15CM-Red".Take out one of the light and connect it to the socket. Turn on the power bank, the light will turn on normally as shown below.**

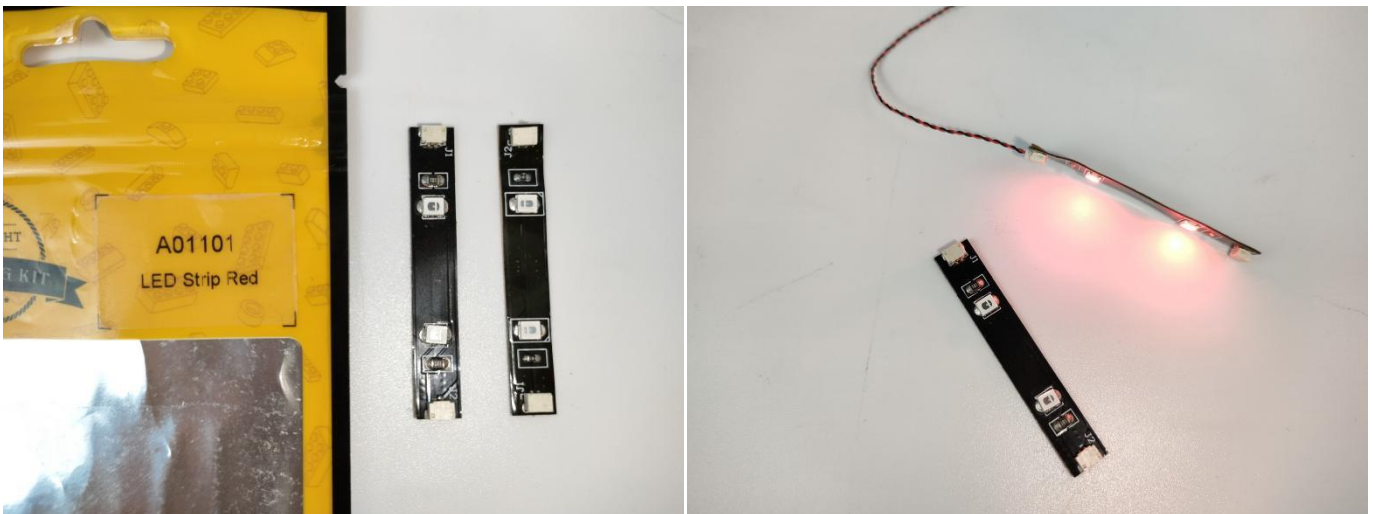


Test each lamp according to this method. It should be noted that after the test, the lamp must be returned to the corresponding bag to avoid confusion of types.



### LED strip test:

Take out the bag labeled "A01101 LED Strip Red". Take out the LED light bar, connect the USB power cable, turn on the mobile power supply, the light will be on normally, as shown in the figure below.



The components needs to be tested in this set is 8\* A01001 Light-15CM Warm White,1\* A01004 Light-15CM Green,1\*A01008 Light-30CM Blue,1\*A01010 Light-30CM Red,1\*A01018 Light-15CM Pink,3\*A01024 High-Brightness light 15CM-Warm White,1\*A01025 Light-15CM Cyan,4\*A01105 LED Strip Warm White,2\*A02550 Light Strip-Red-COB,1\*A1032 High-Brightness Light 30CM-Red,2\*A1033 High-Brightness Light 15CM-Green,1\*A1034 High-Brightness Light 30CM-Green,1\*A1036 High-Brightness Light 30CM-Blue.

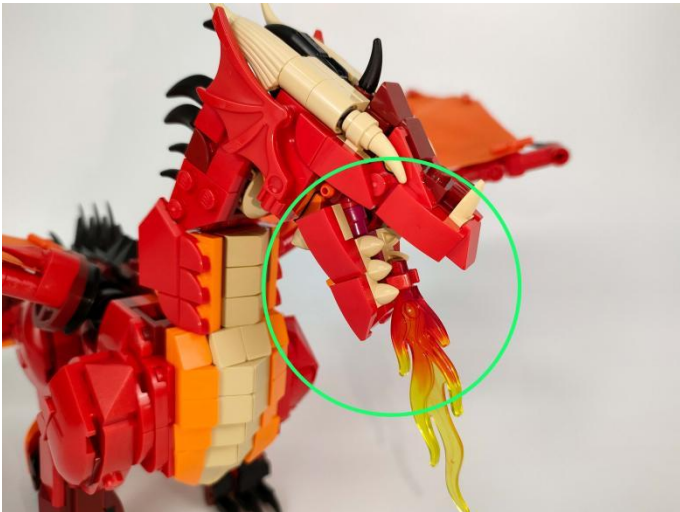
Please contact us immediately if any components don't work.

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

**1**



**2**



**3**





# Tips

The plate without slit:

## The plate without slit:

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



The plate with slit:

## The plate with slit:

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

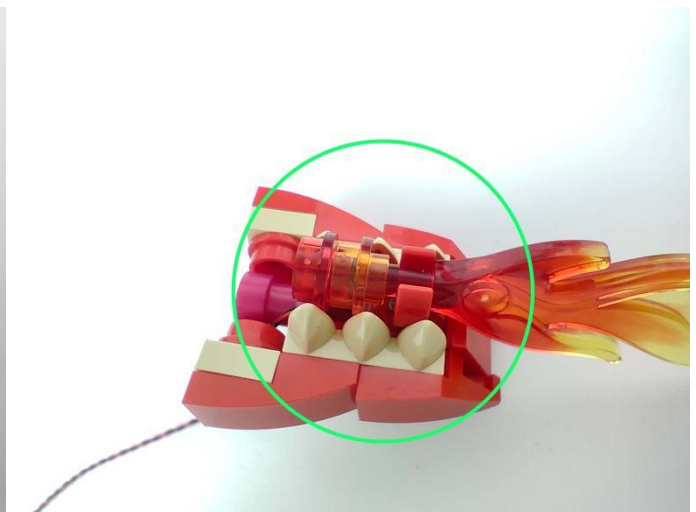


The slit on the the plate round 1X1 are hand-made to avoid squeeze the wire and cause short circuit and abnormal heat during installation.

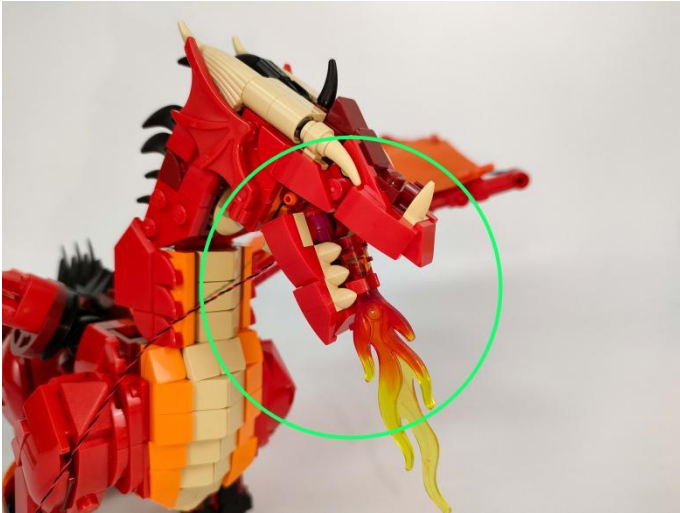
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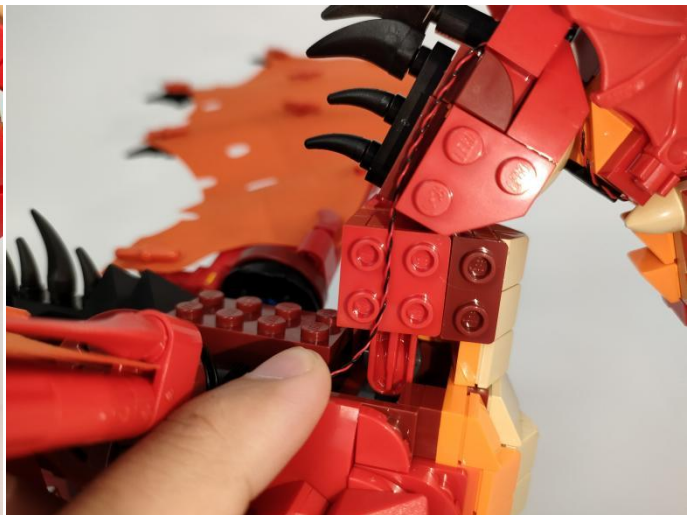
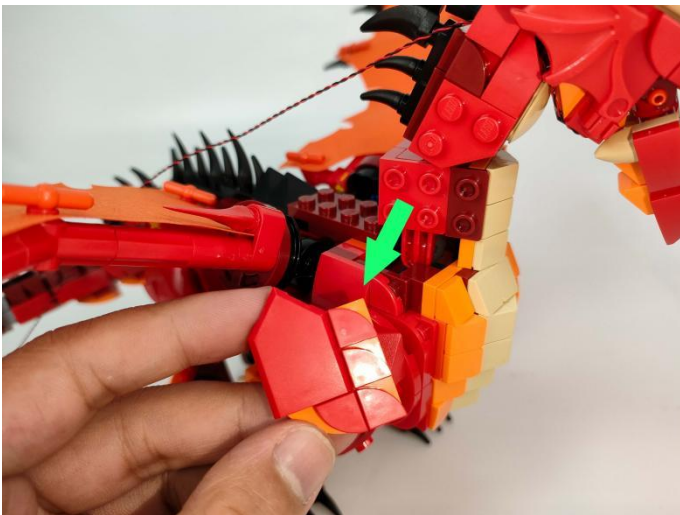
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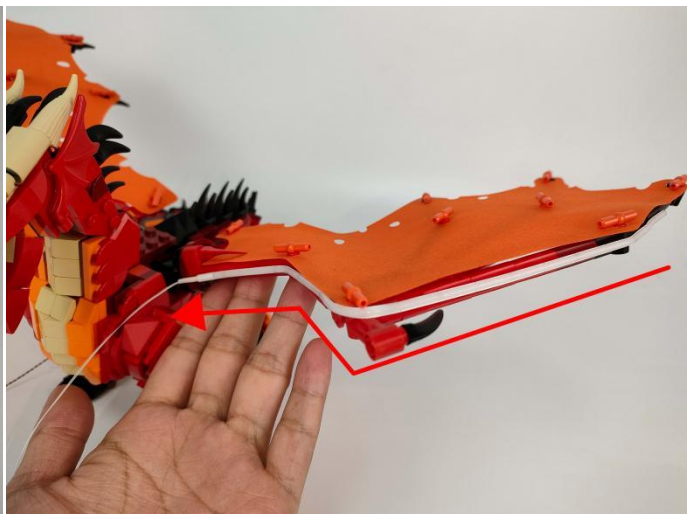
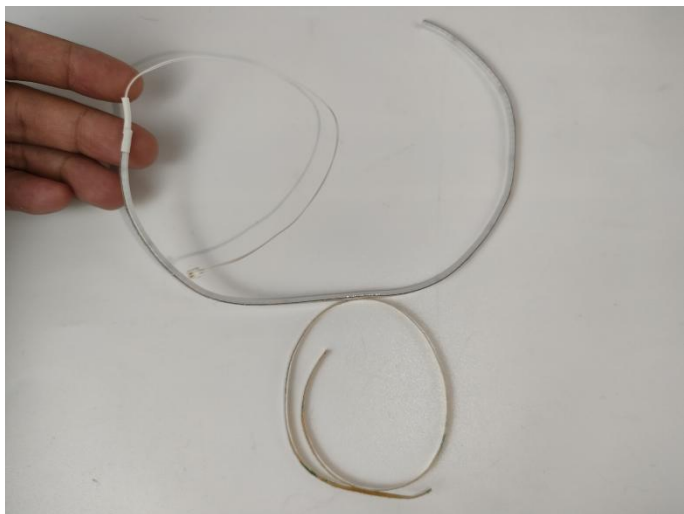
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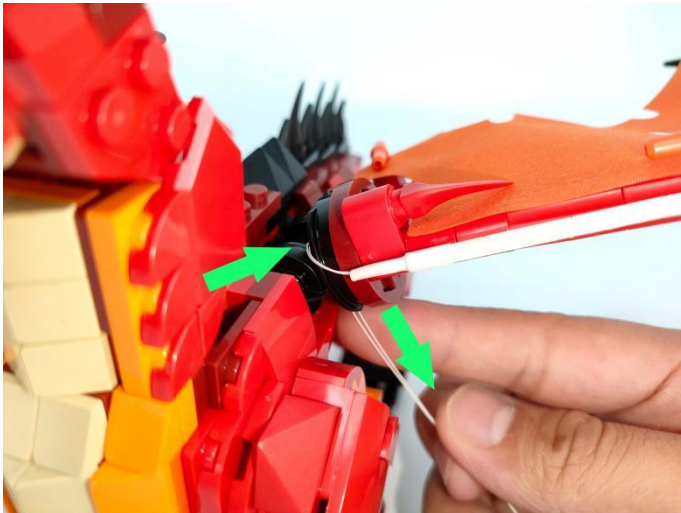
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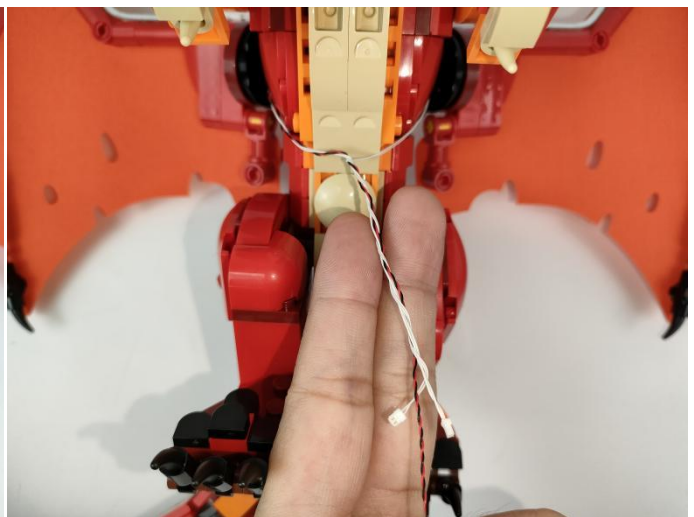
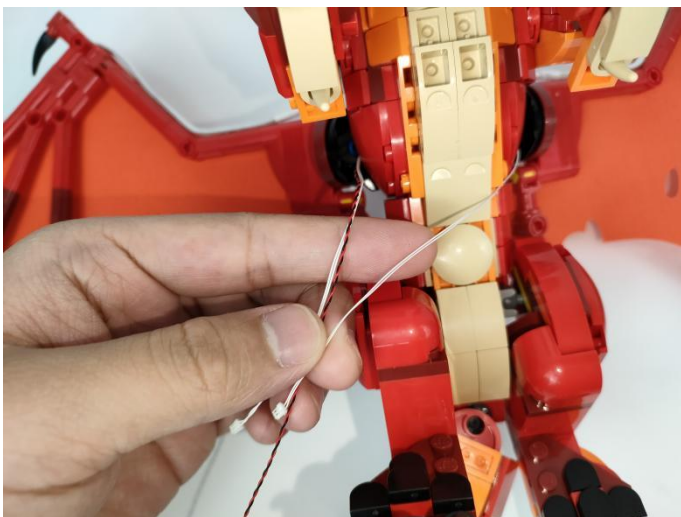
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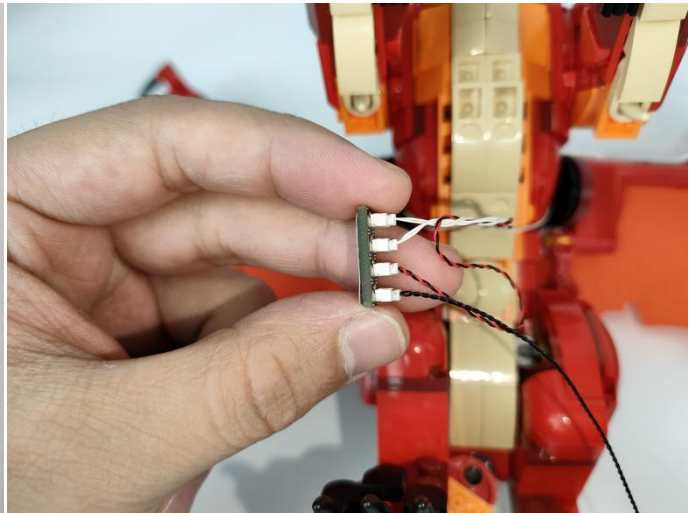
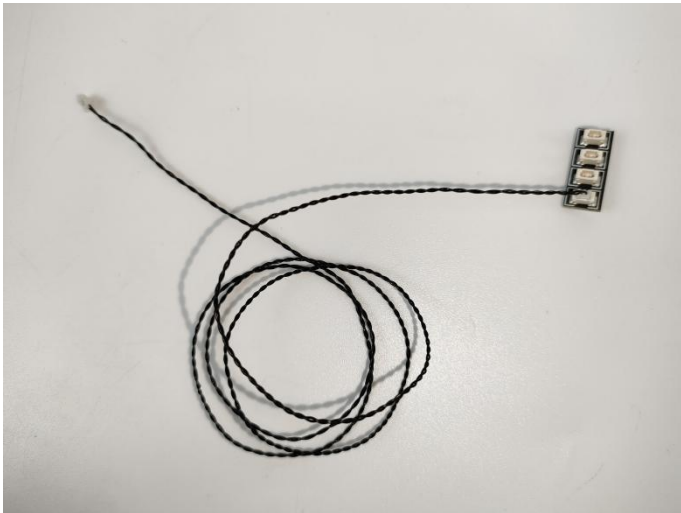
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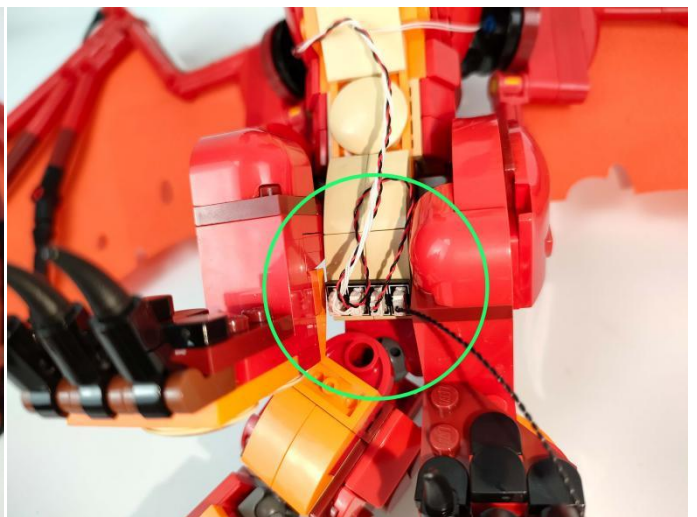
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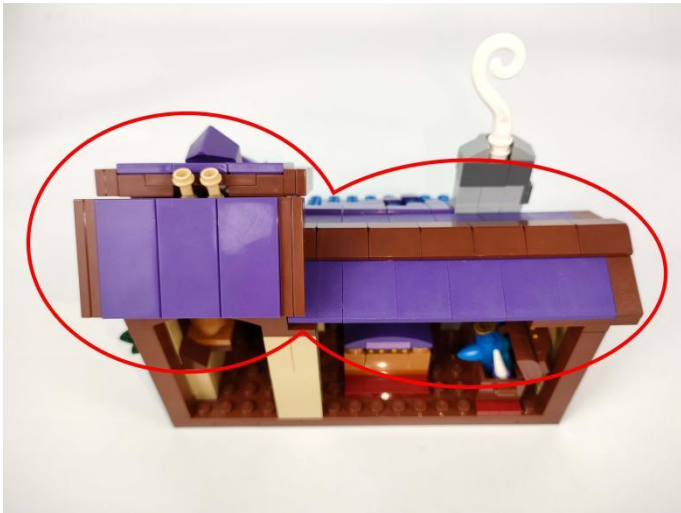
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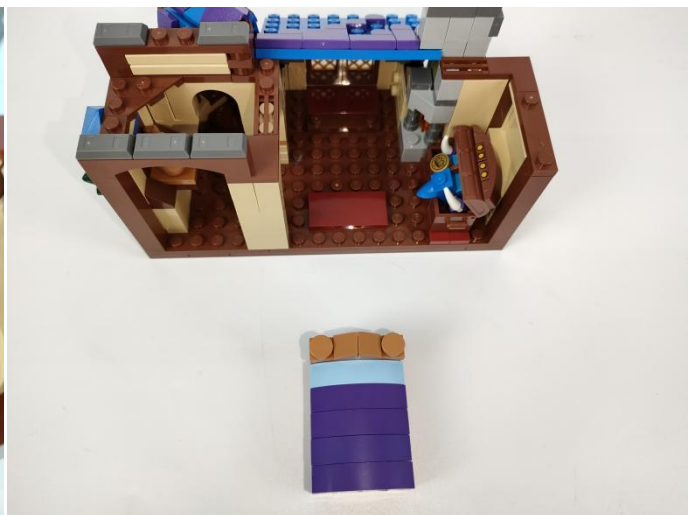
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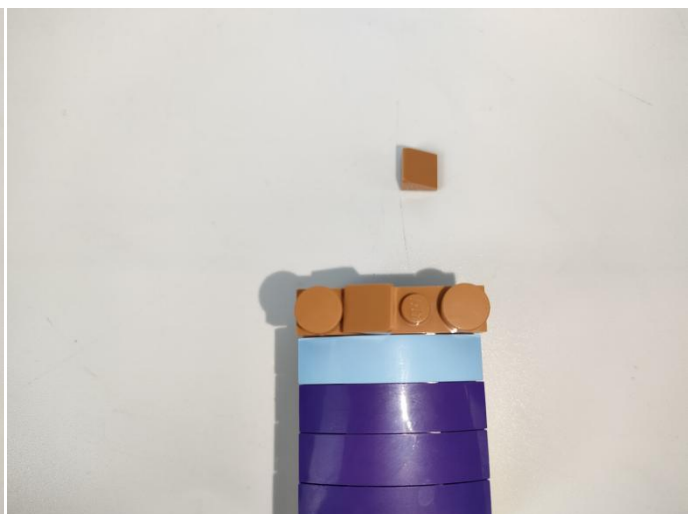
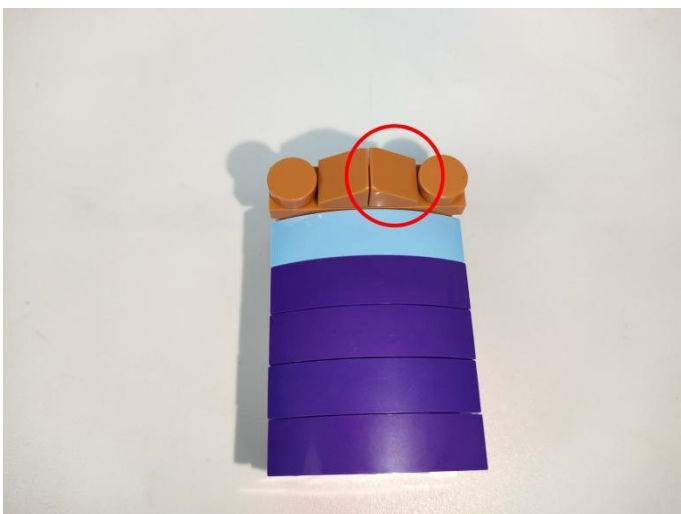
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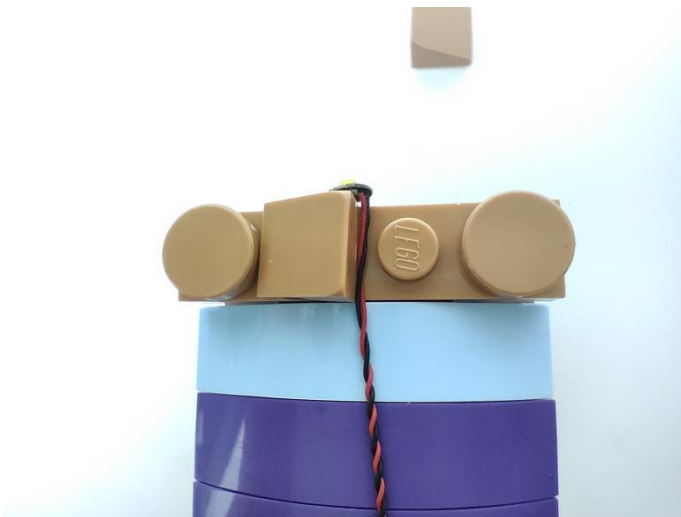
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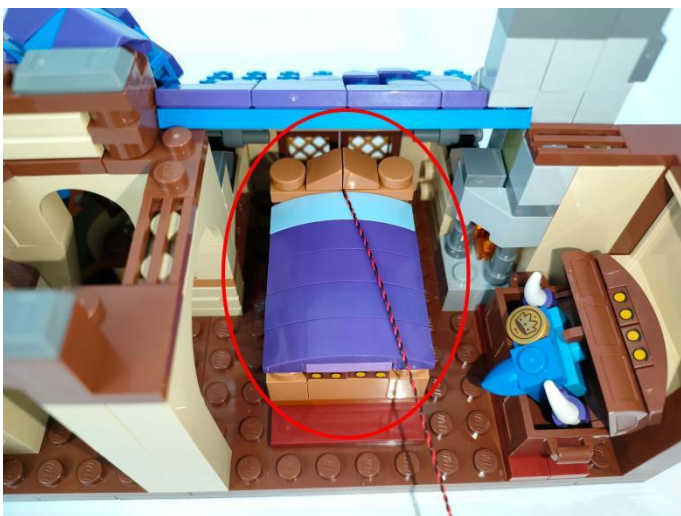
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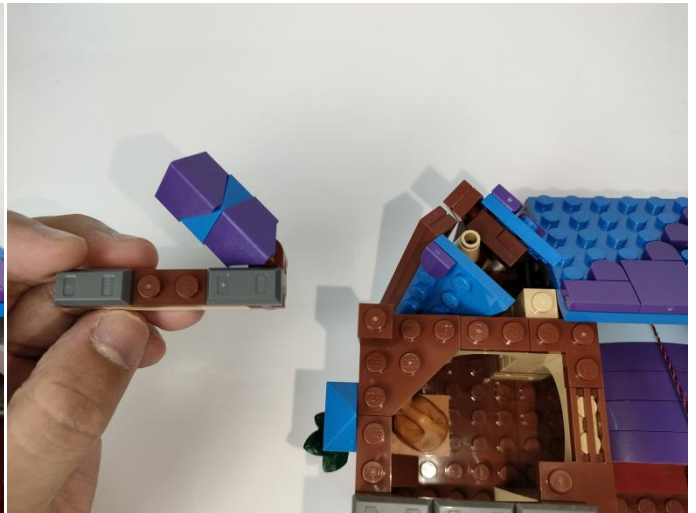
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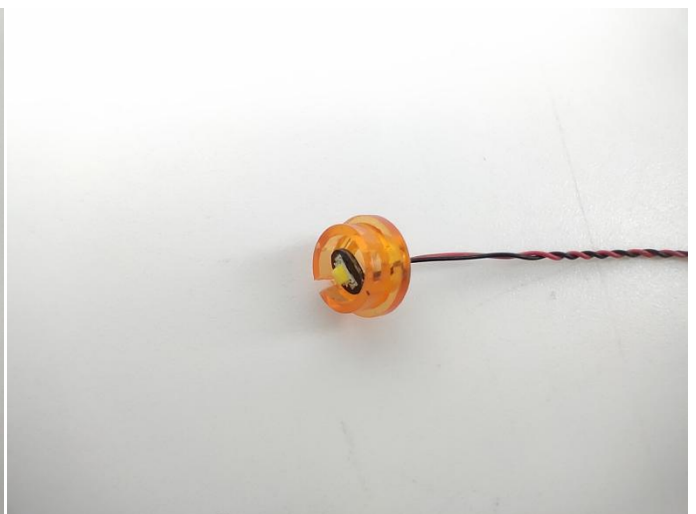
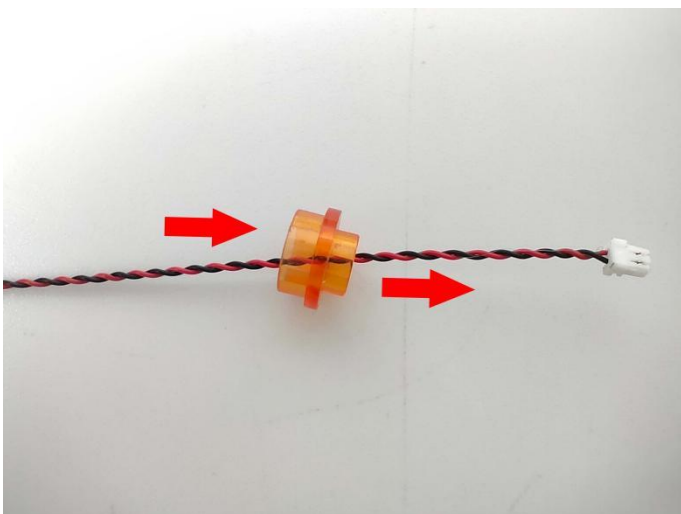
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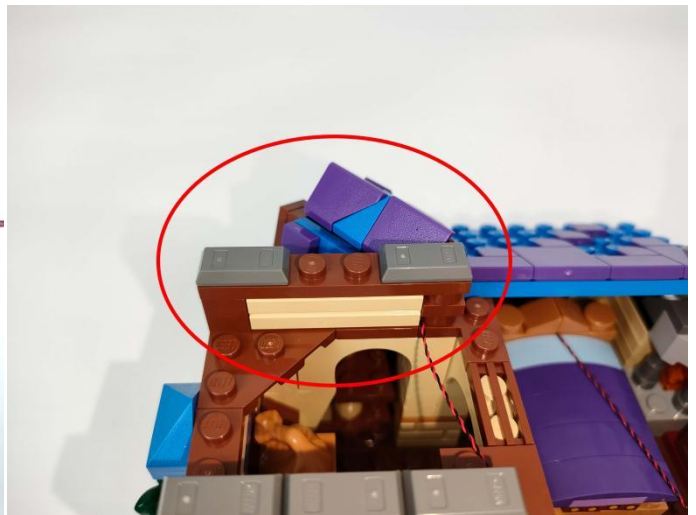
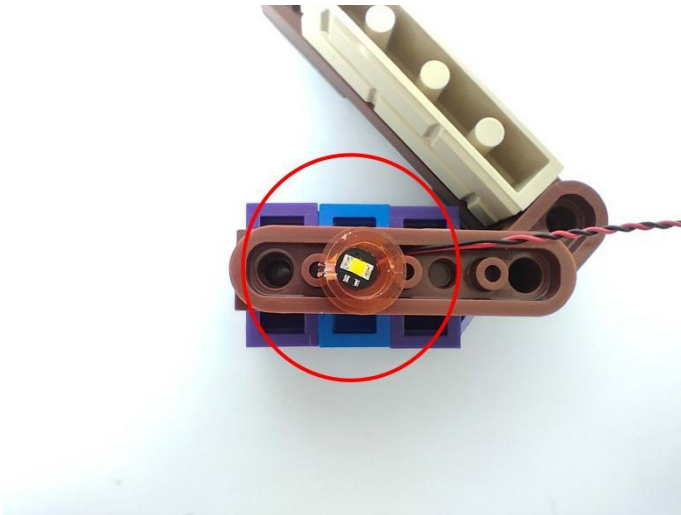


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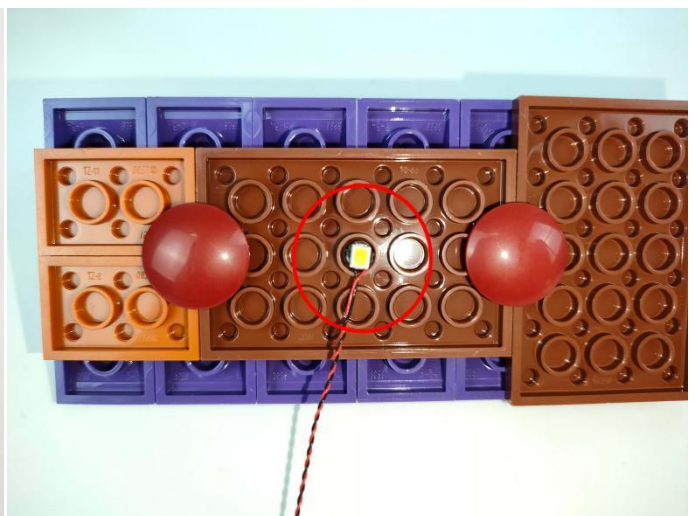
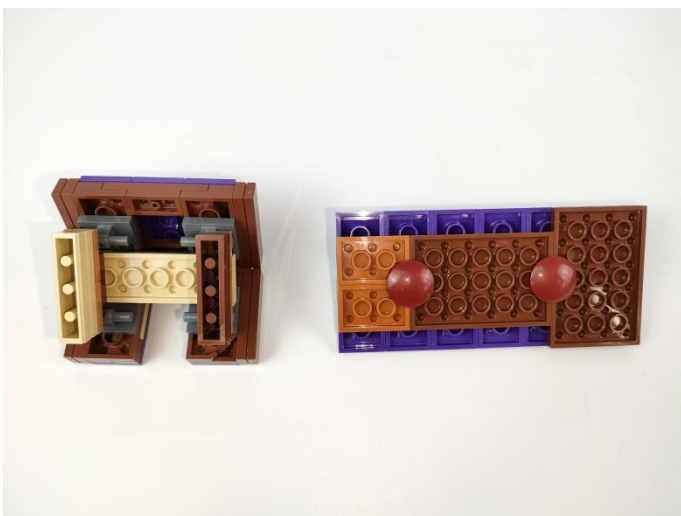
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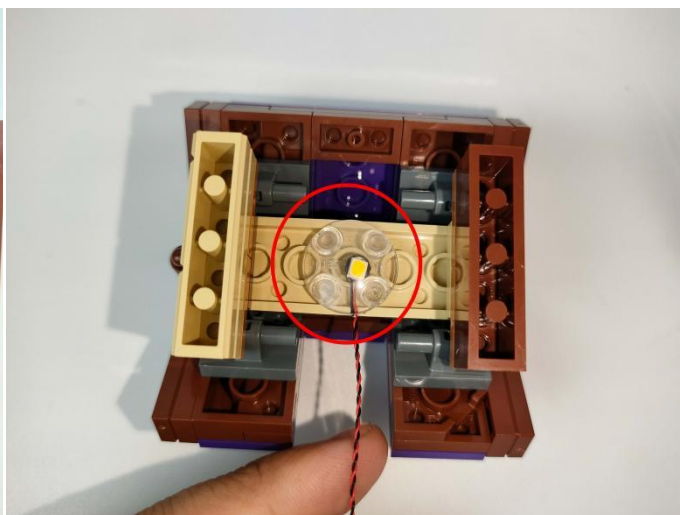
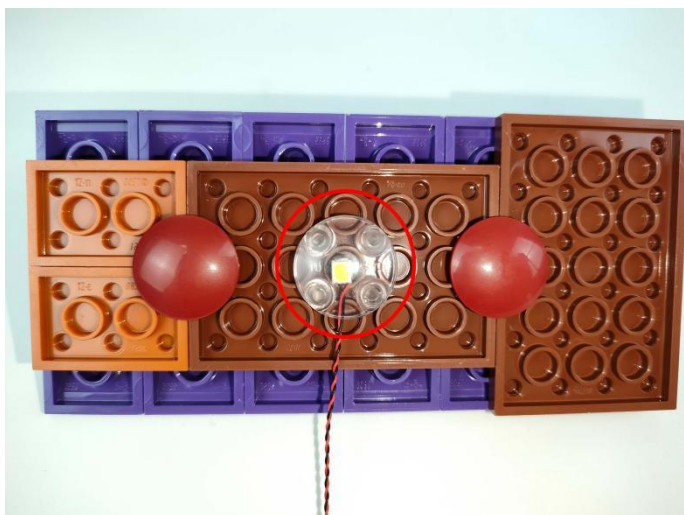
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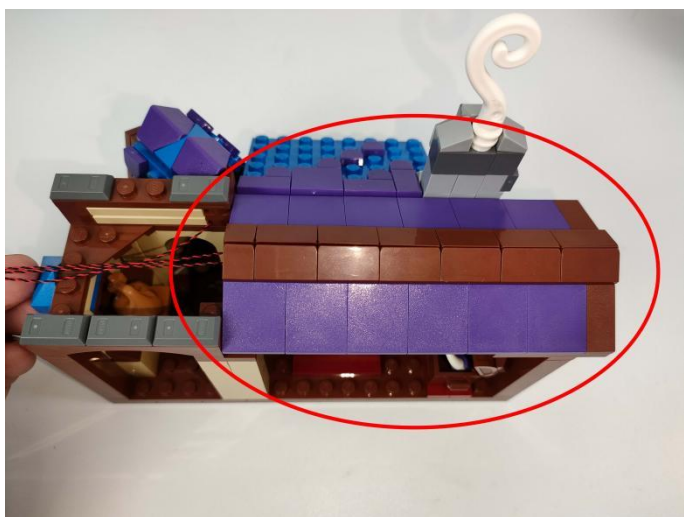
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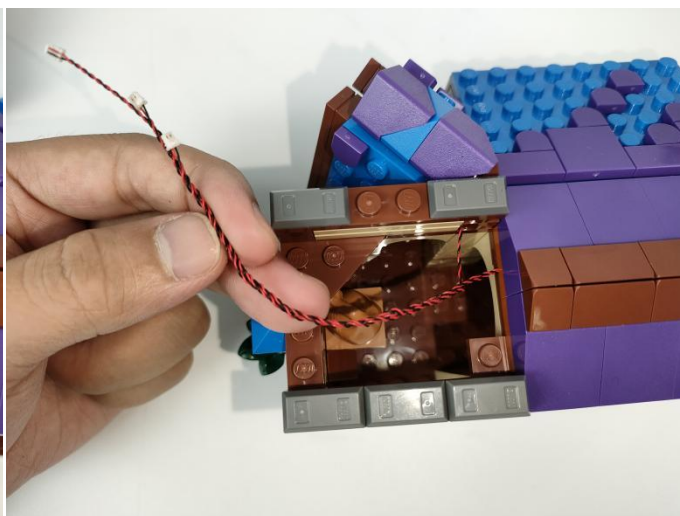
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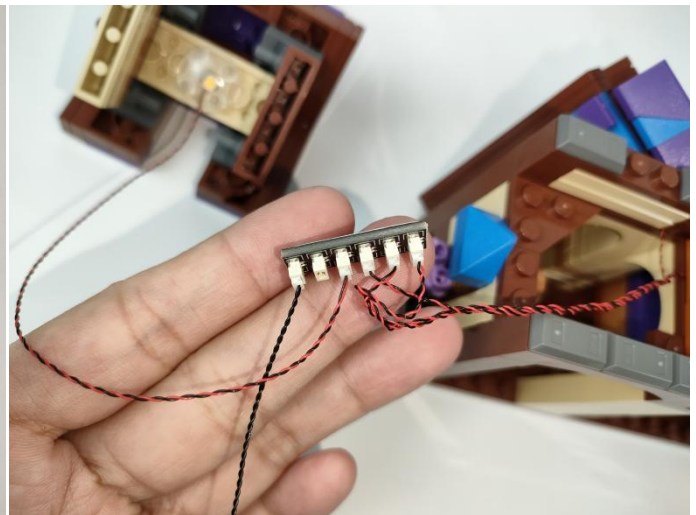
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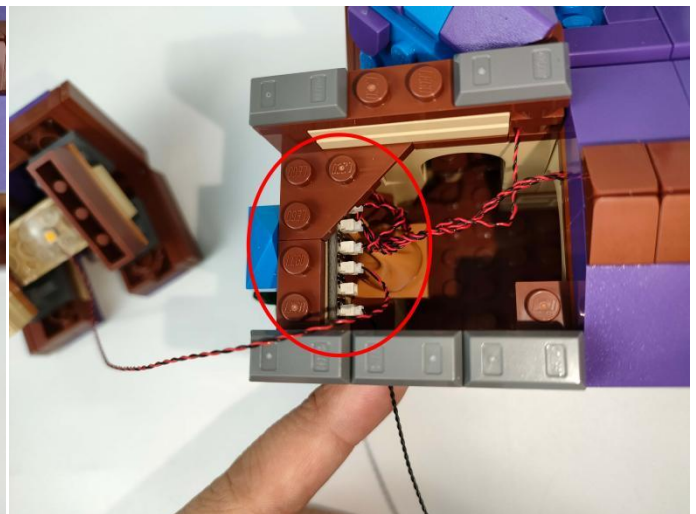
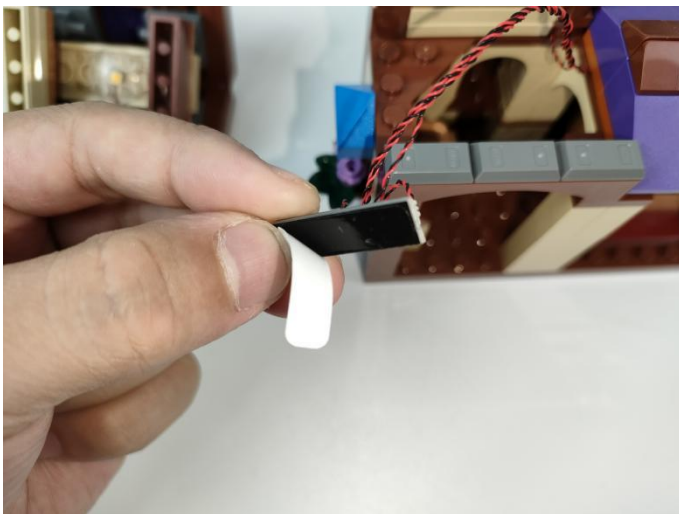
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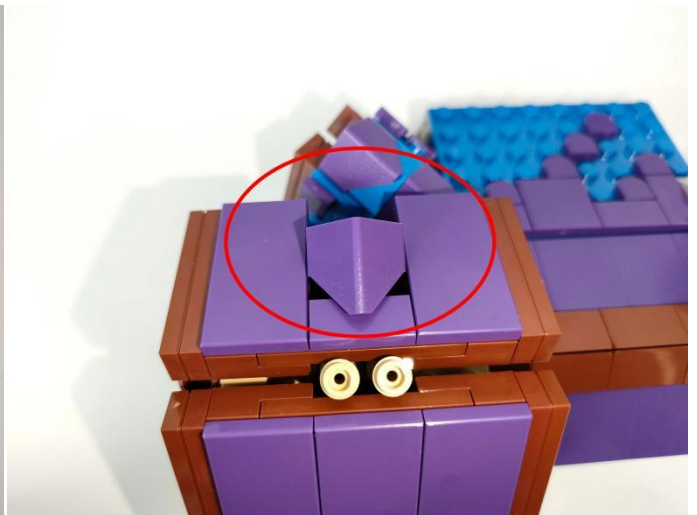
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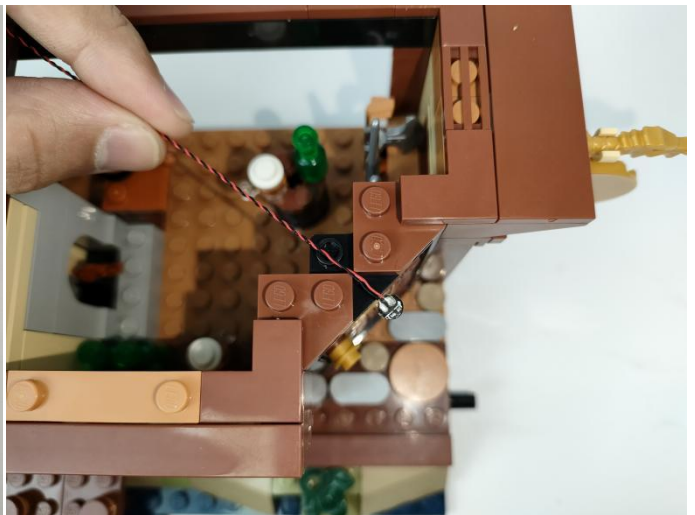
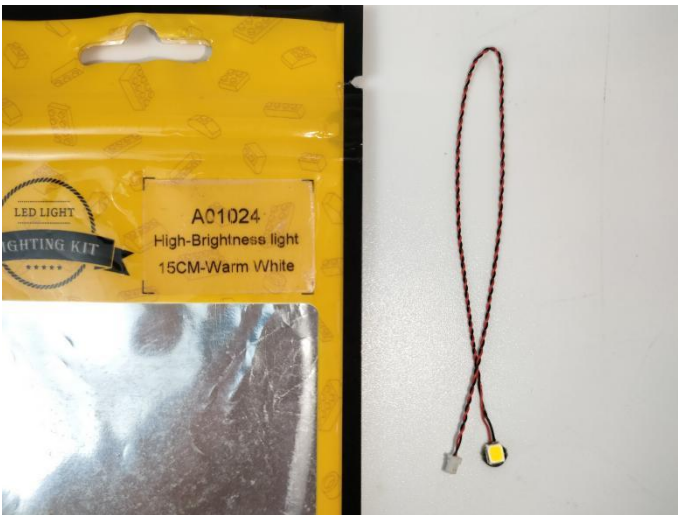
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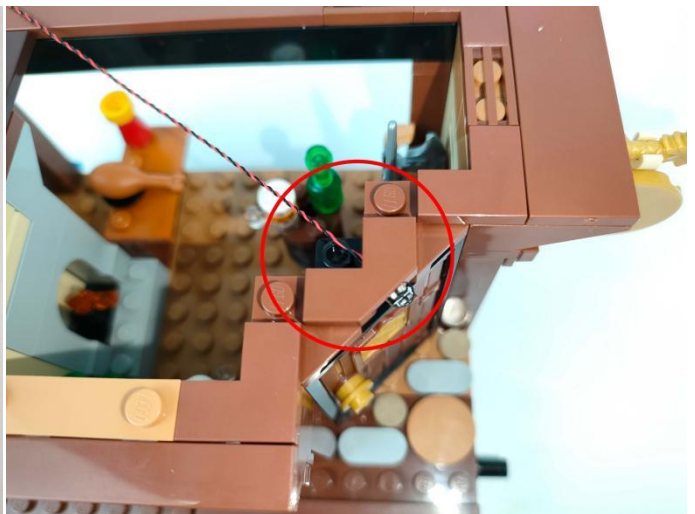
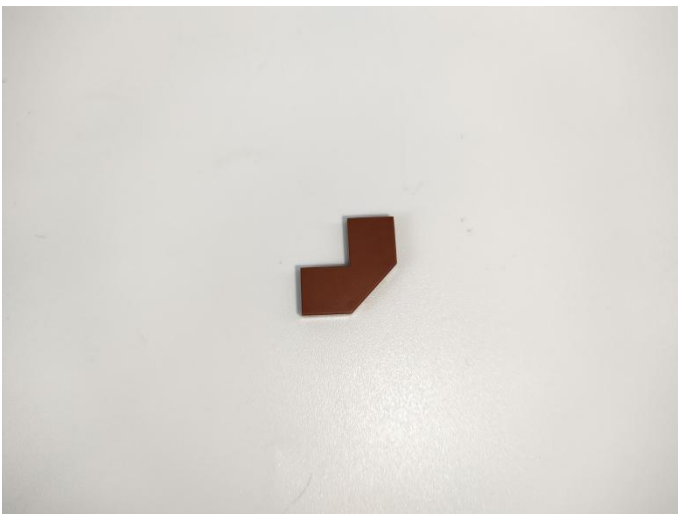
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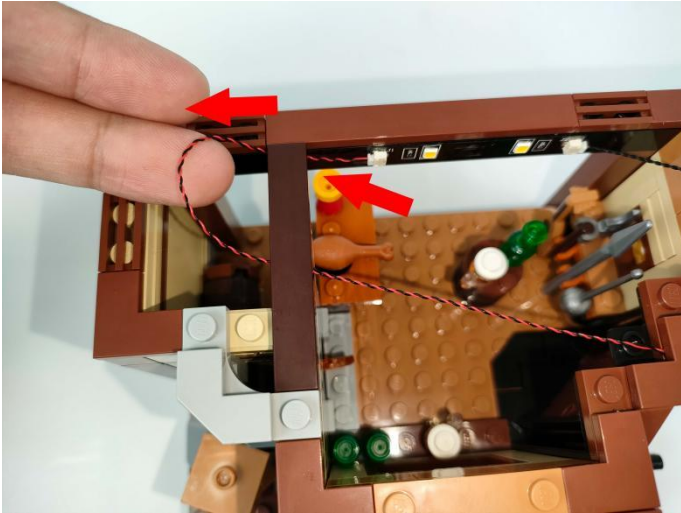
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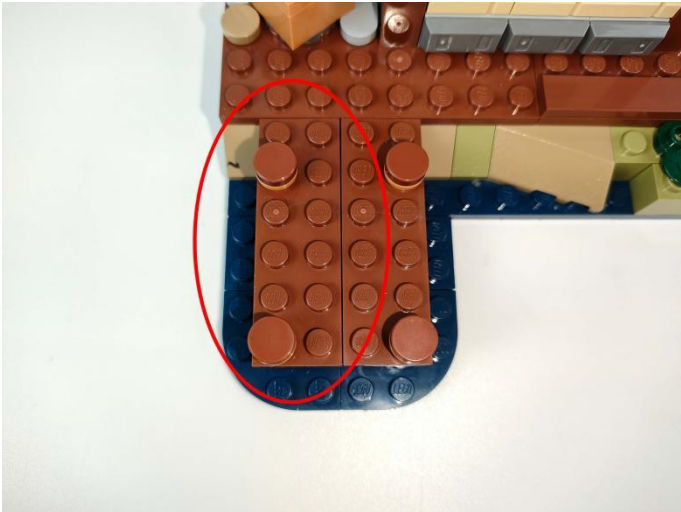
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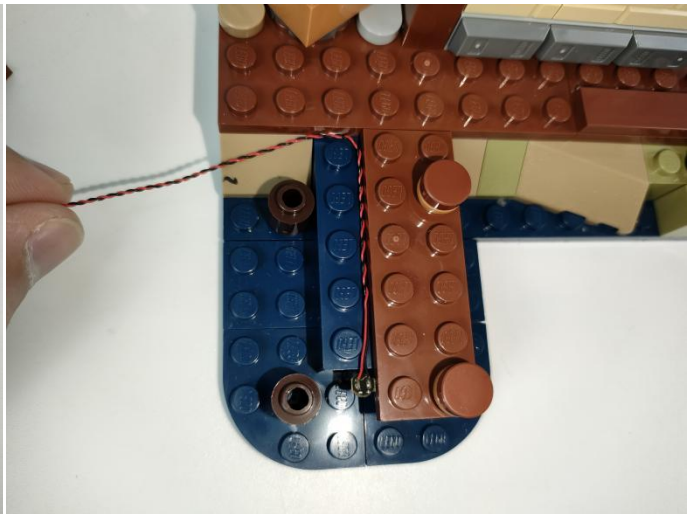
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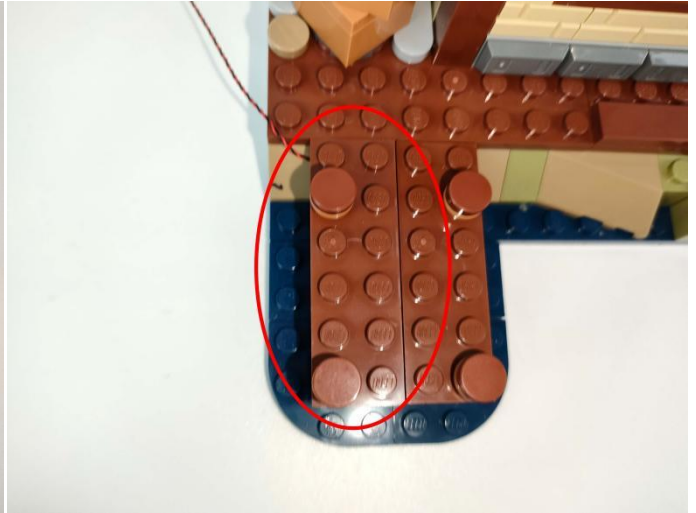
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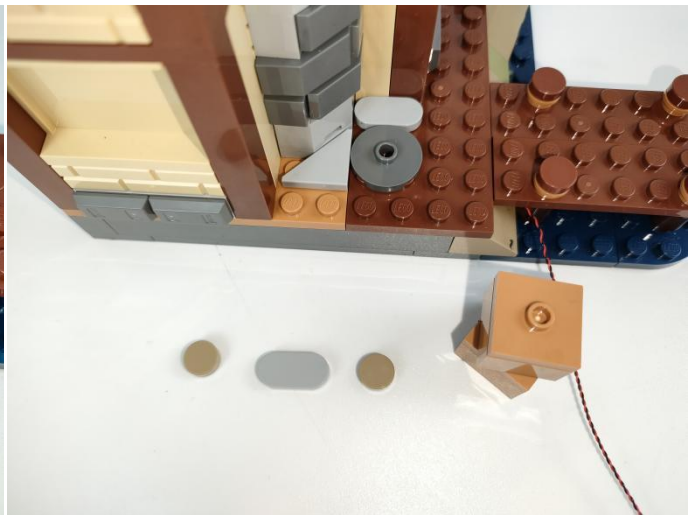
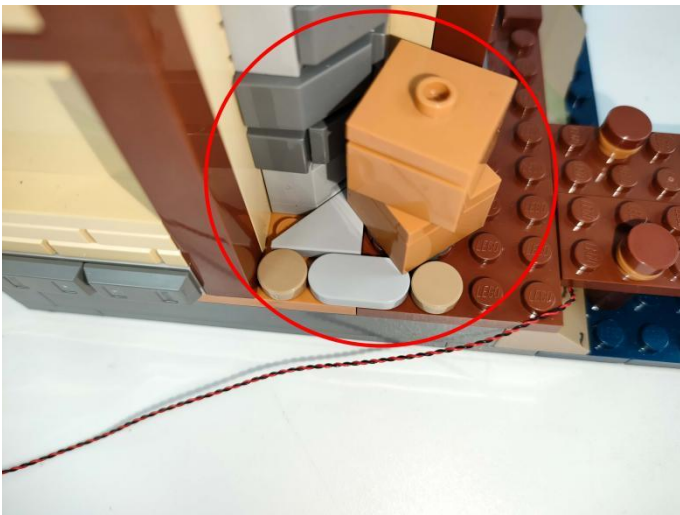
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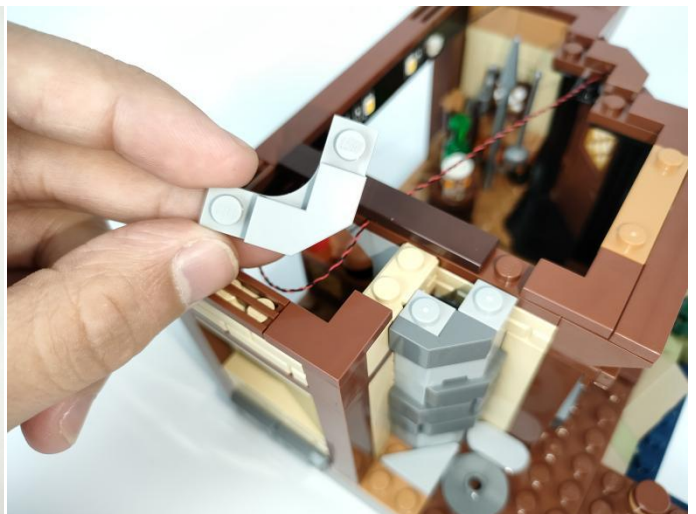
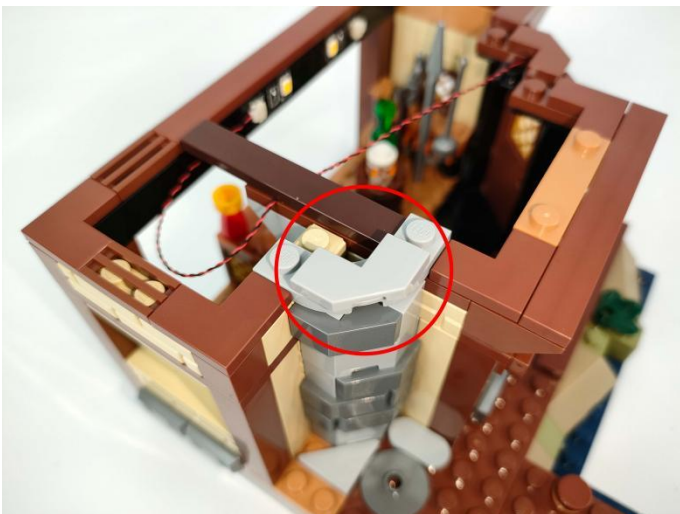
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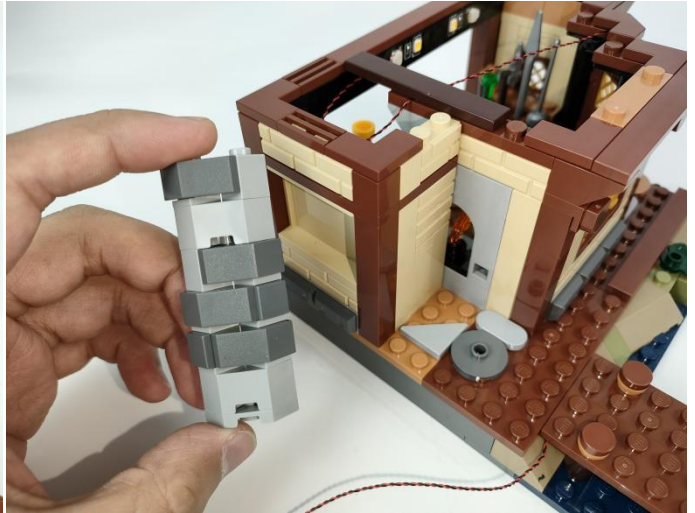
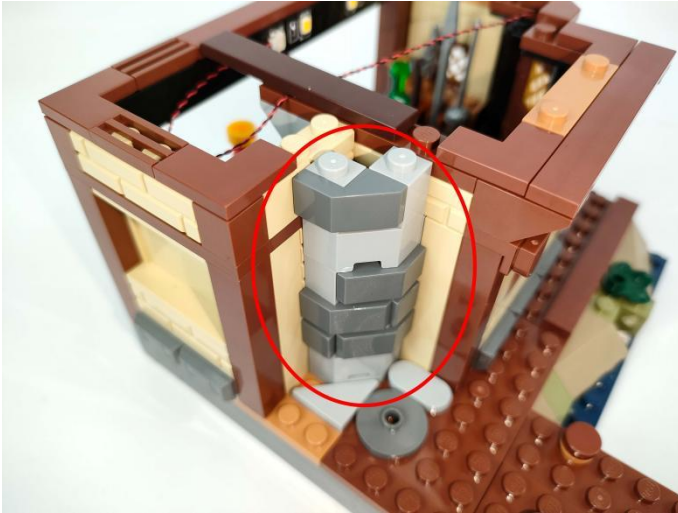


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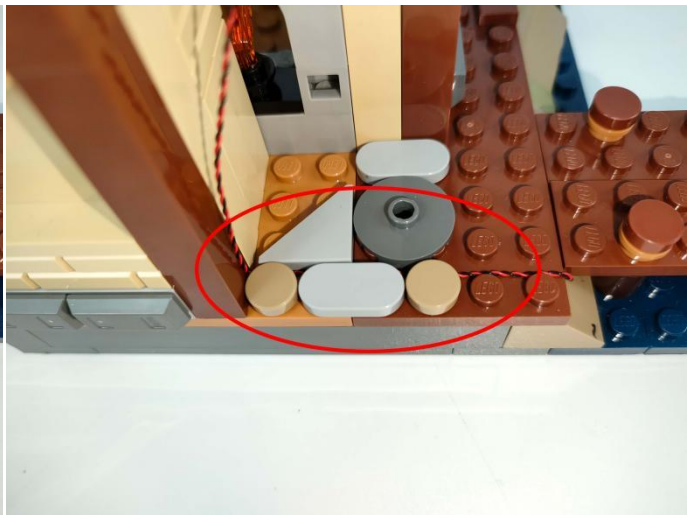




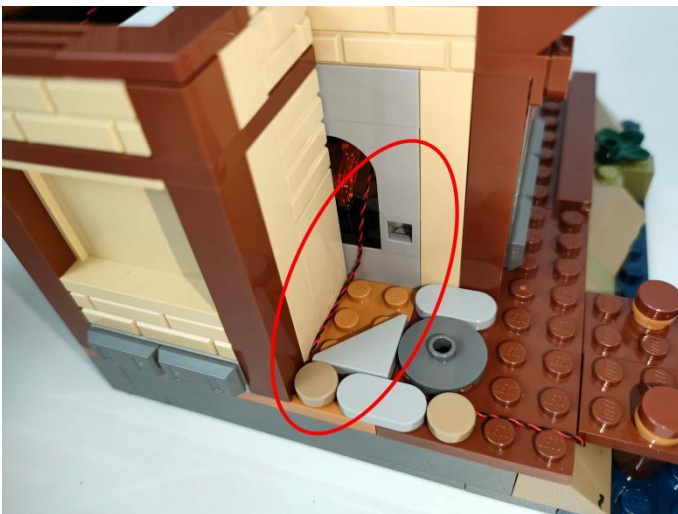
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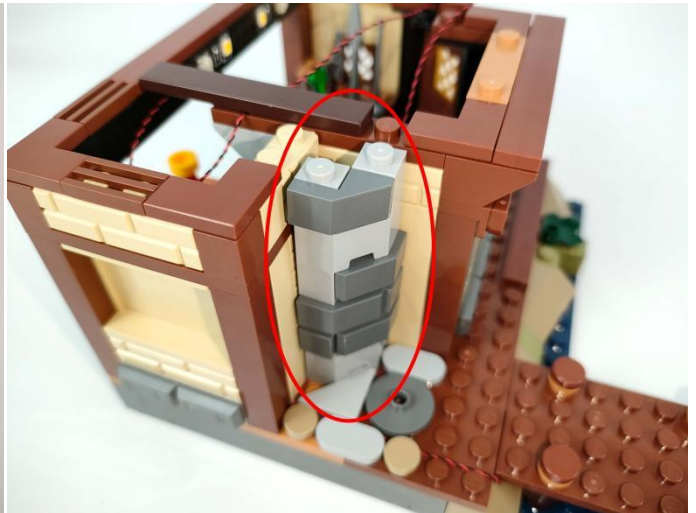
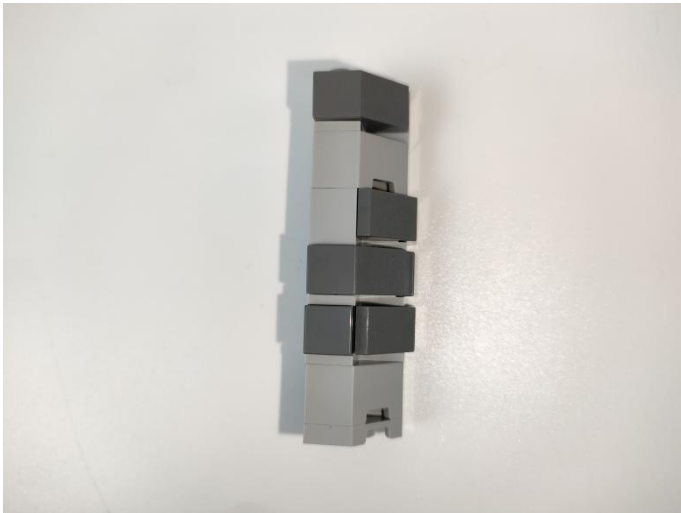
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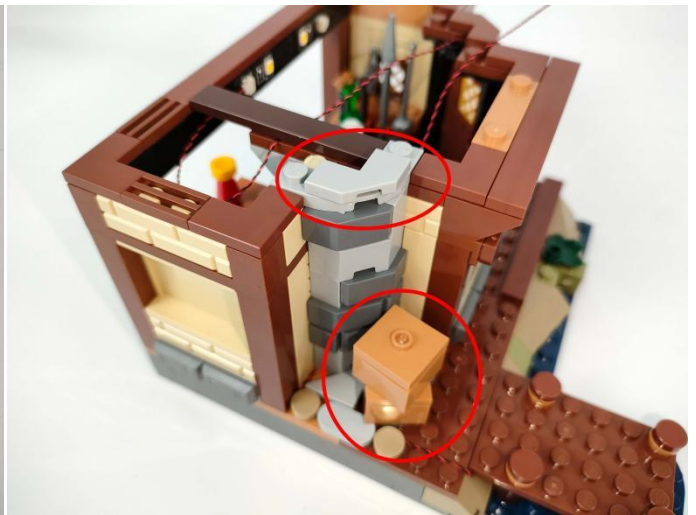
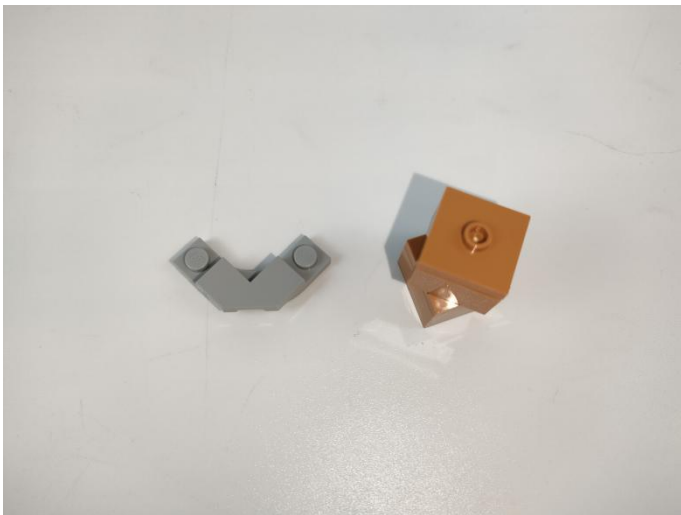
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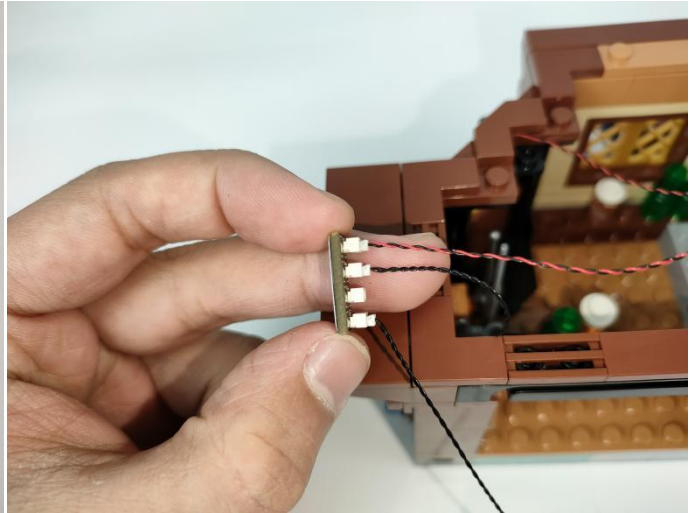
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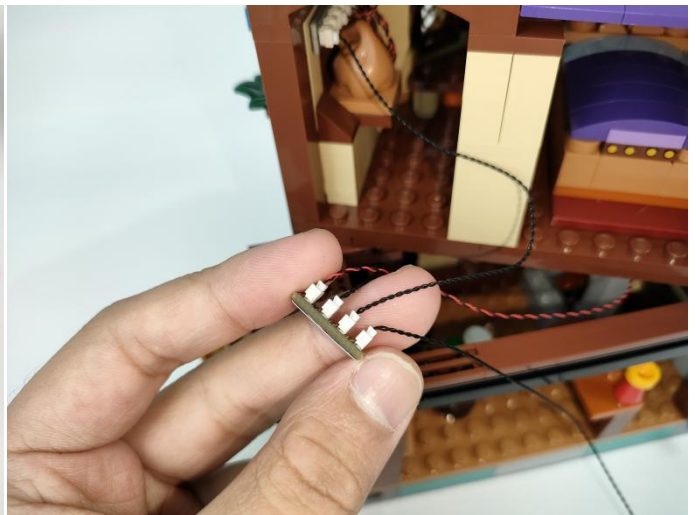
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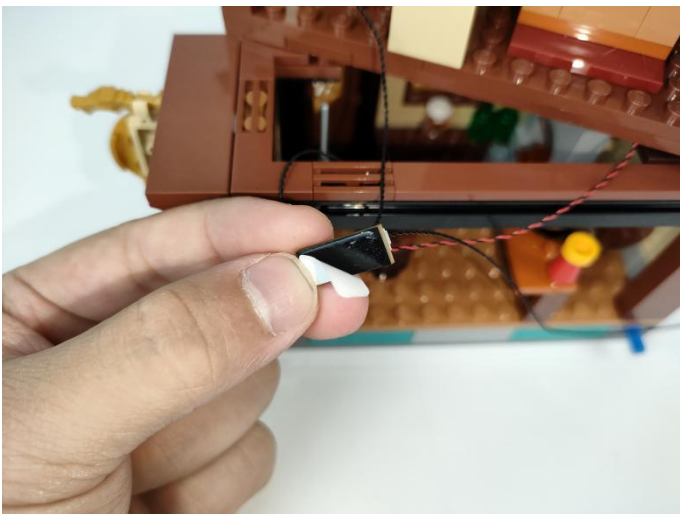
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58



59



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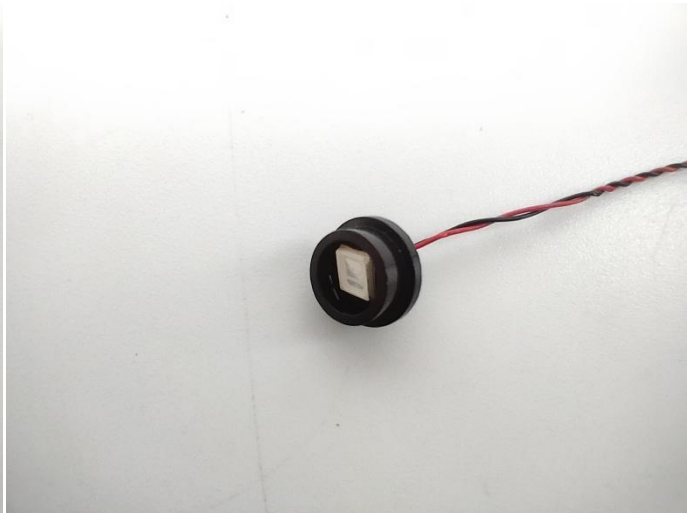
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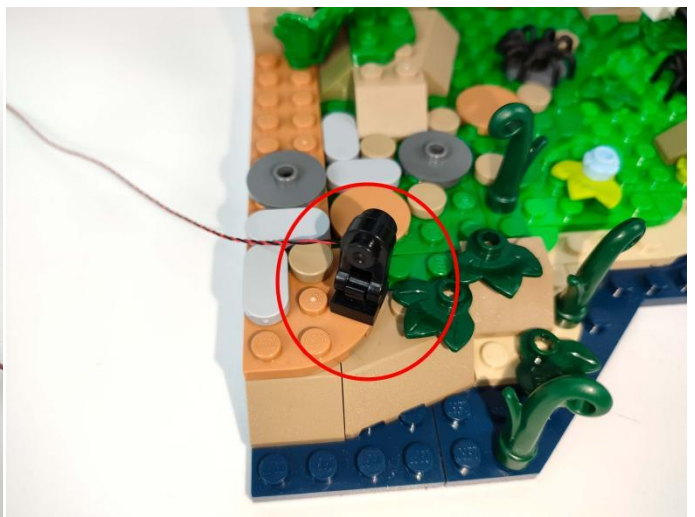
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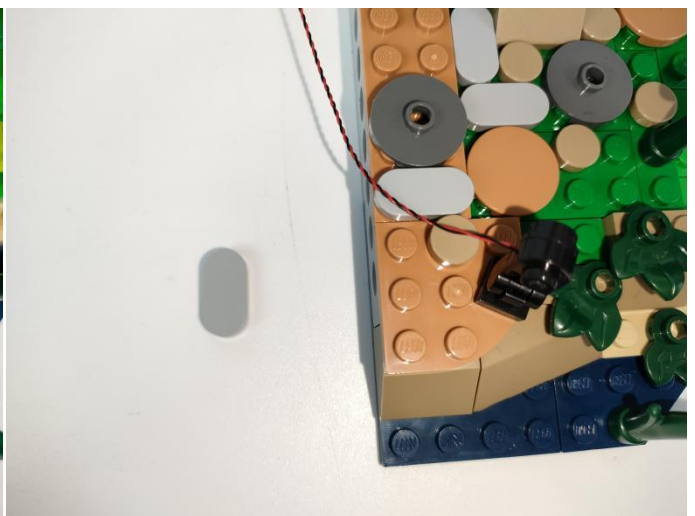
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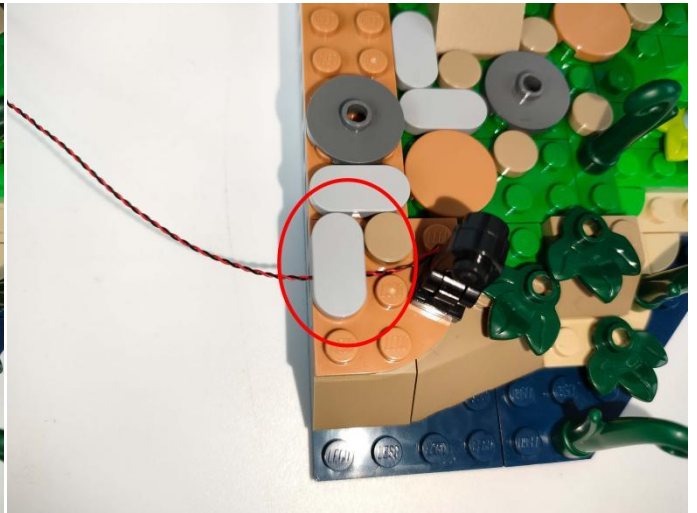
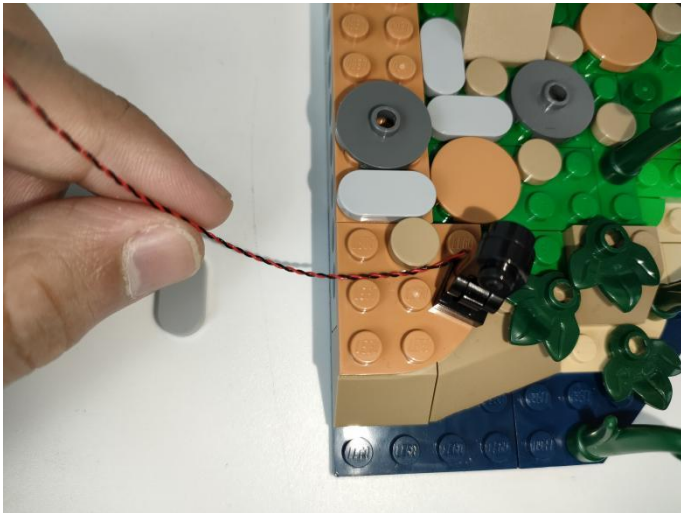
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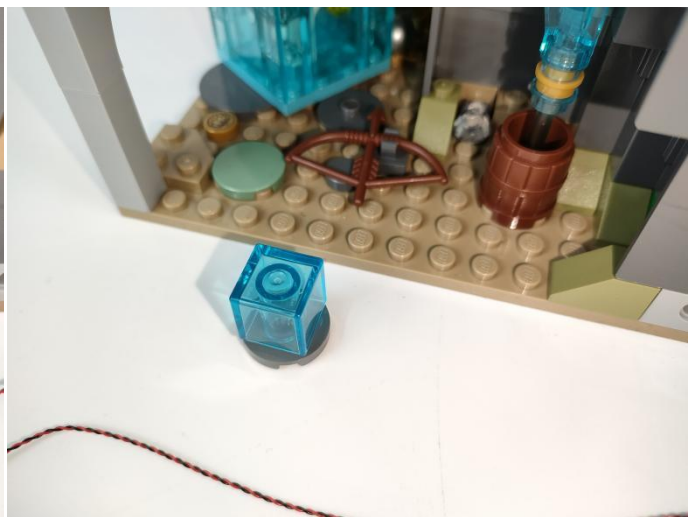
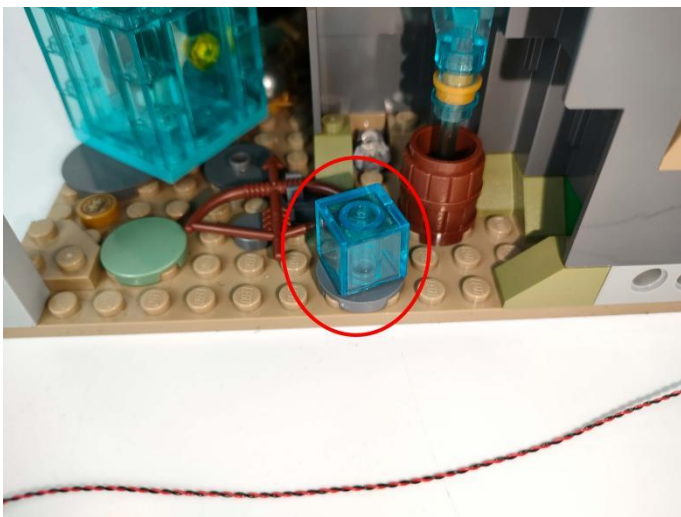
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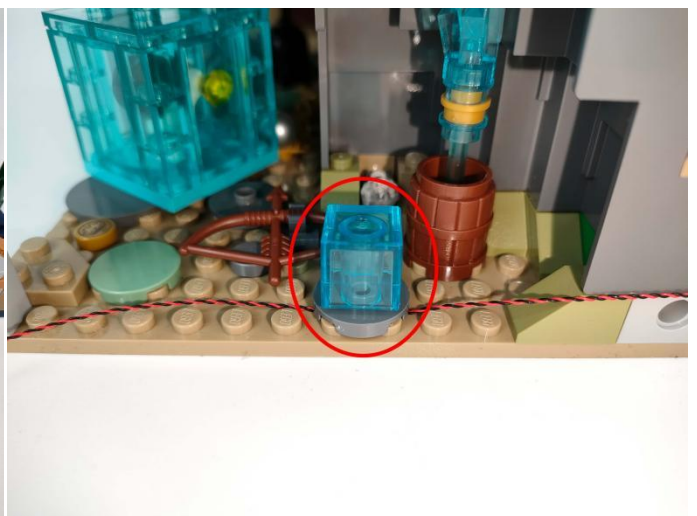
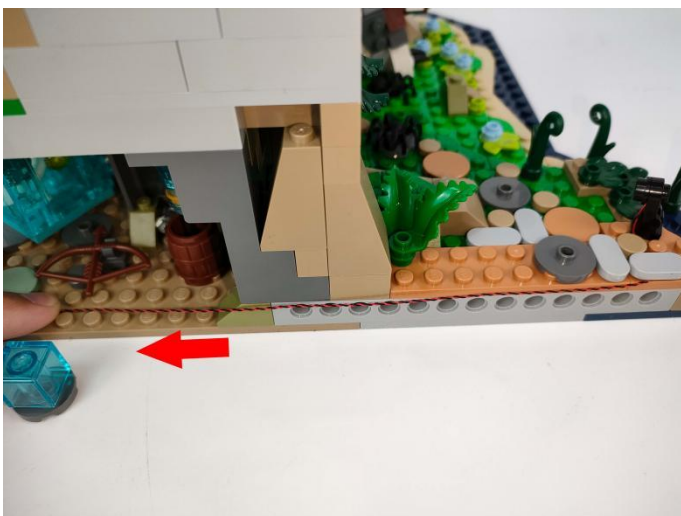
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67



68



69



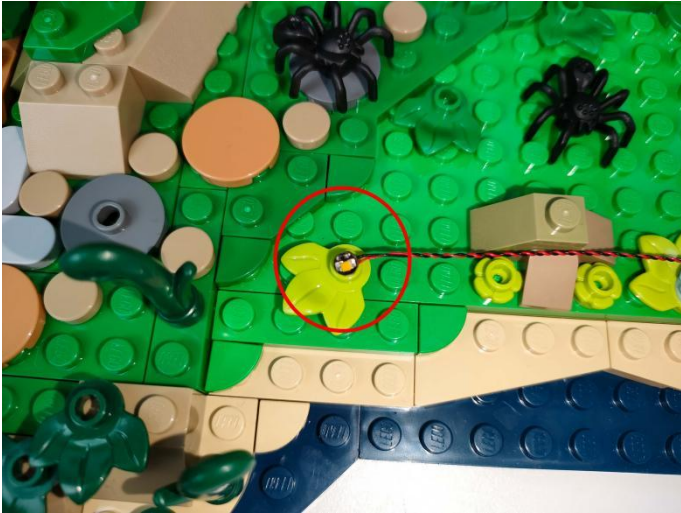
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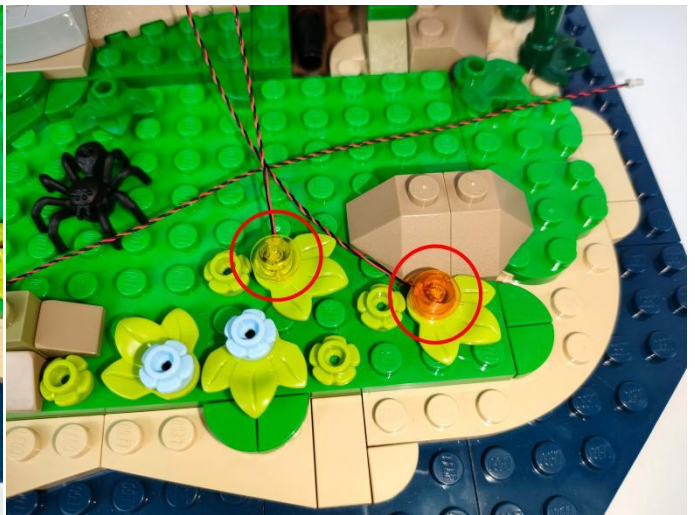
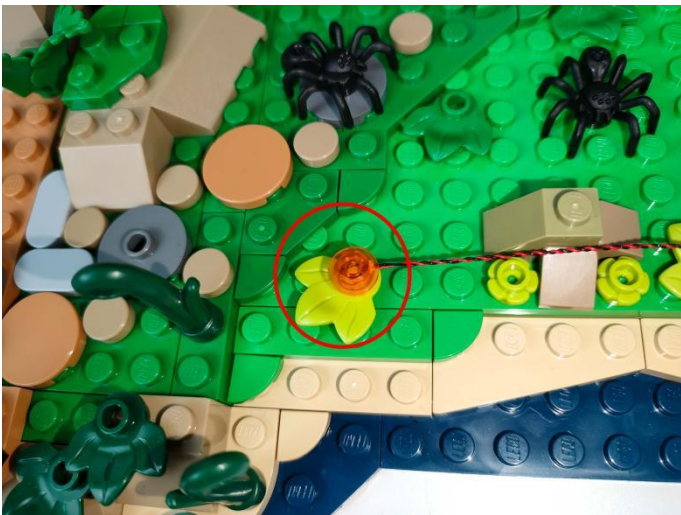
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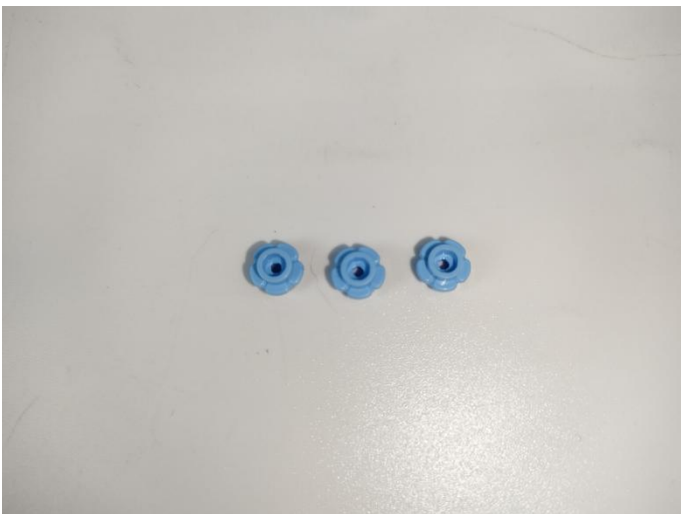
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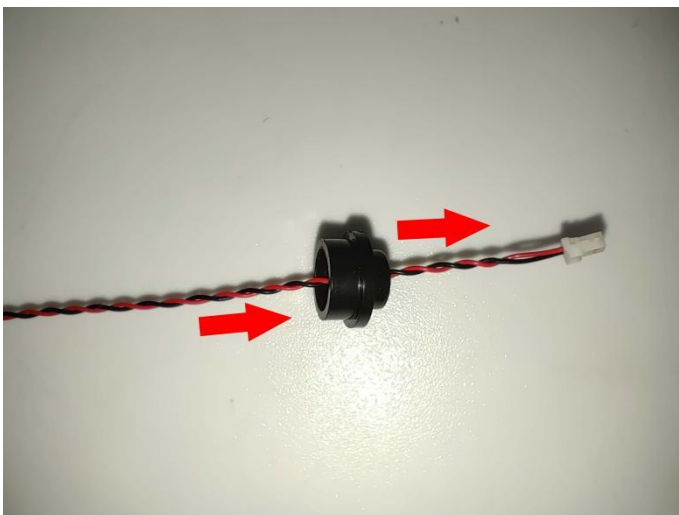




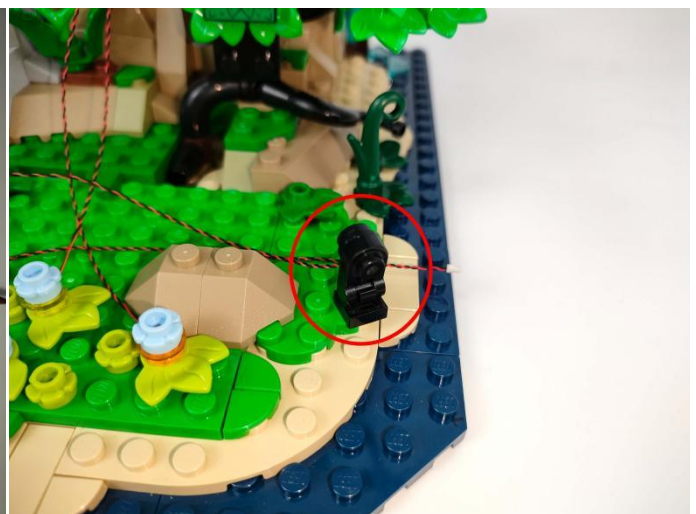
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76



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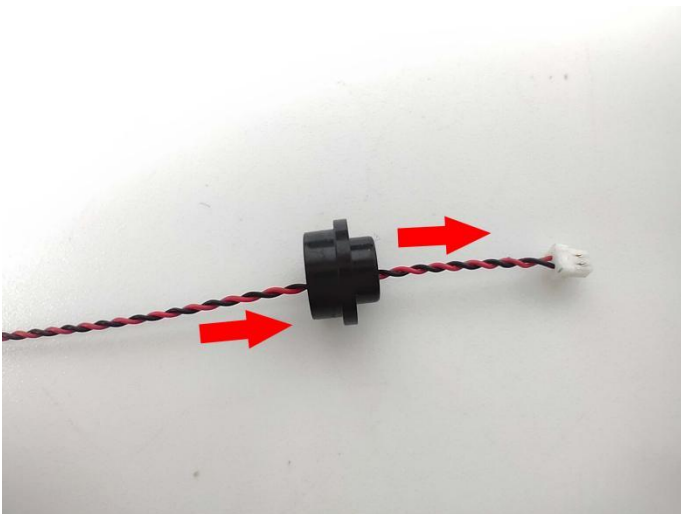
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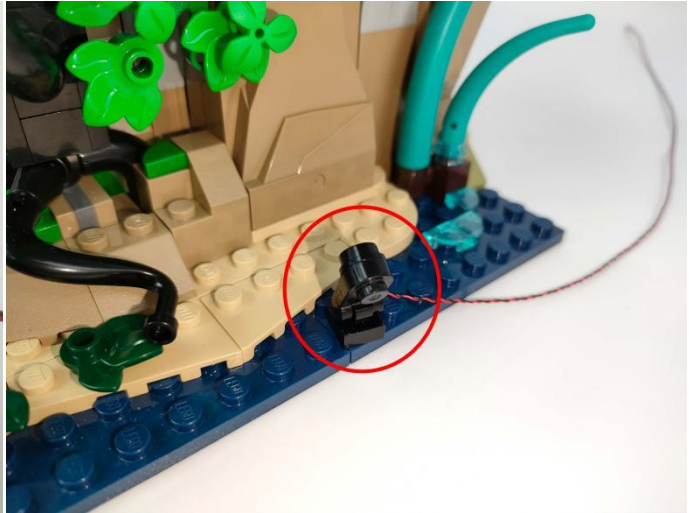
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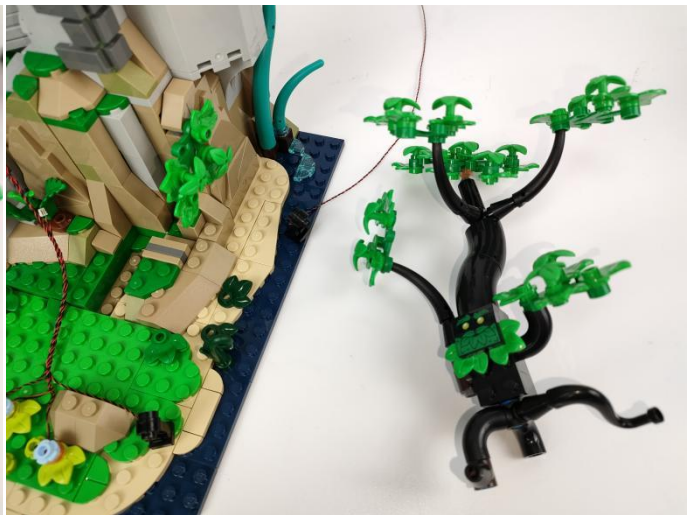
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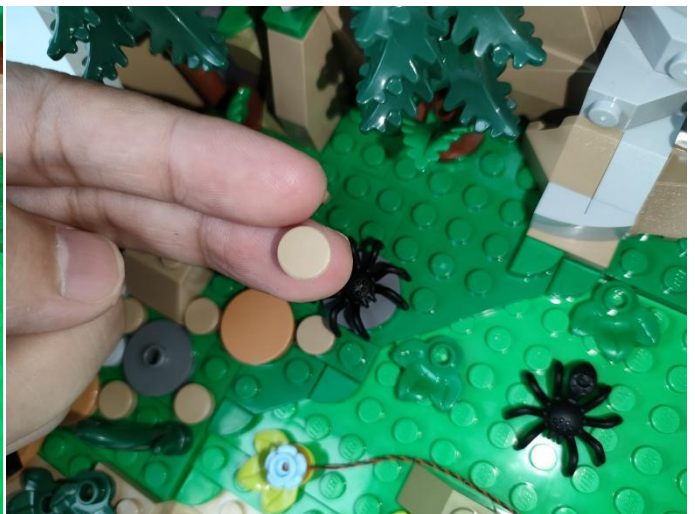
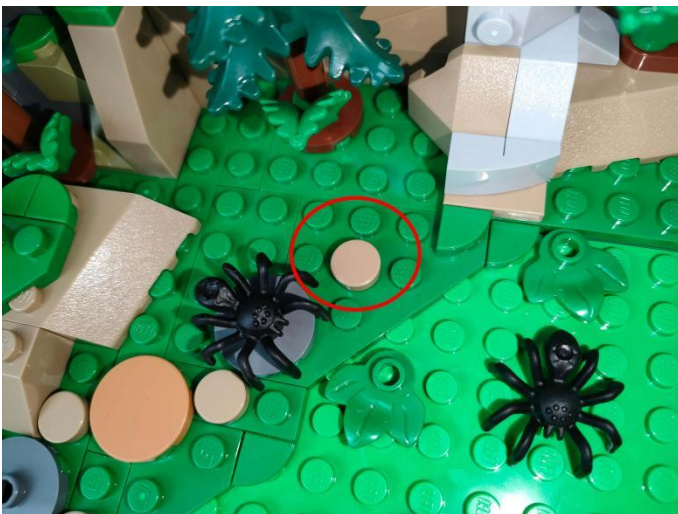
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82



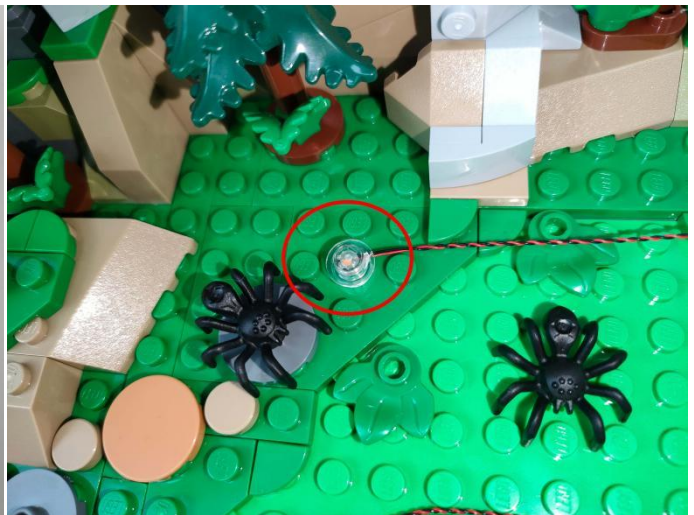
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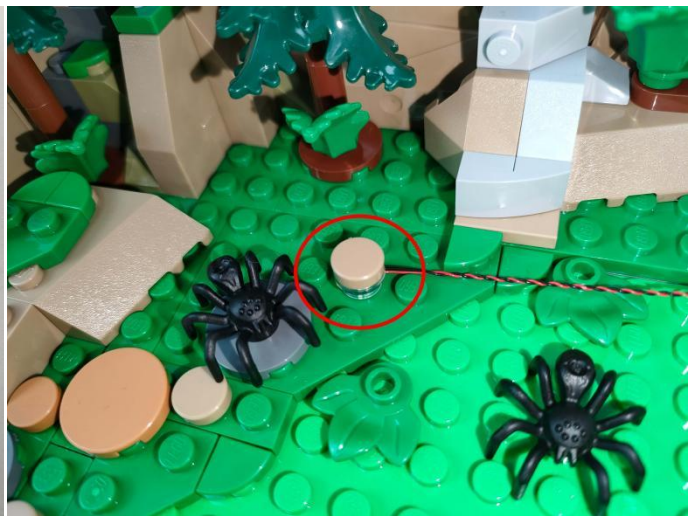
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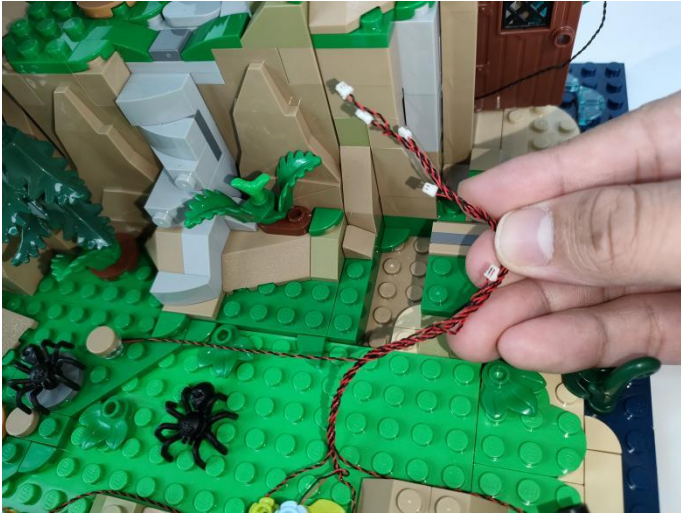
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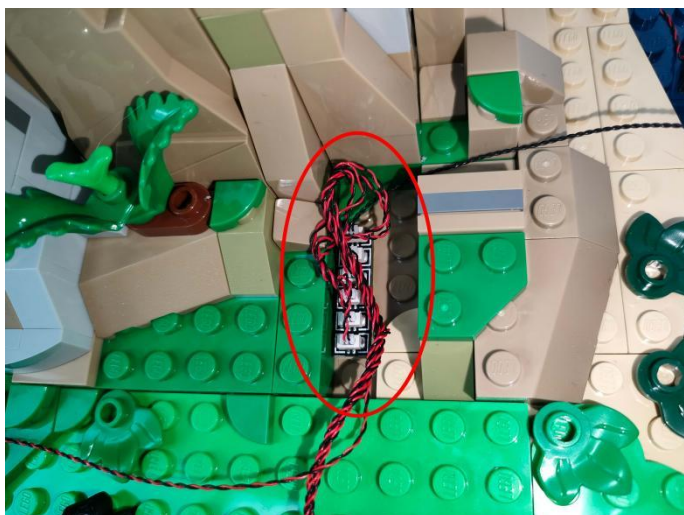
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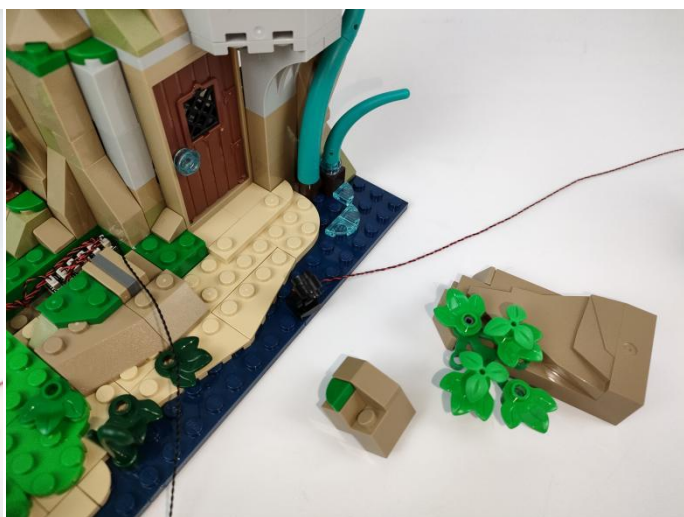
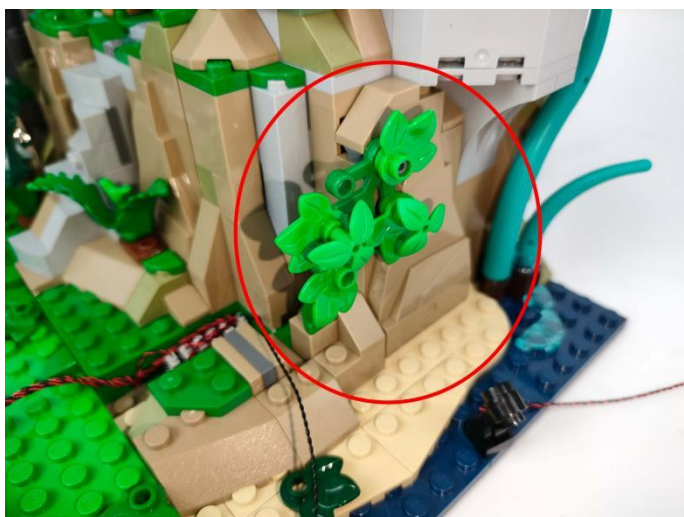
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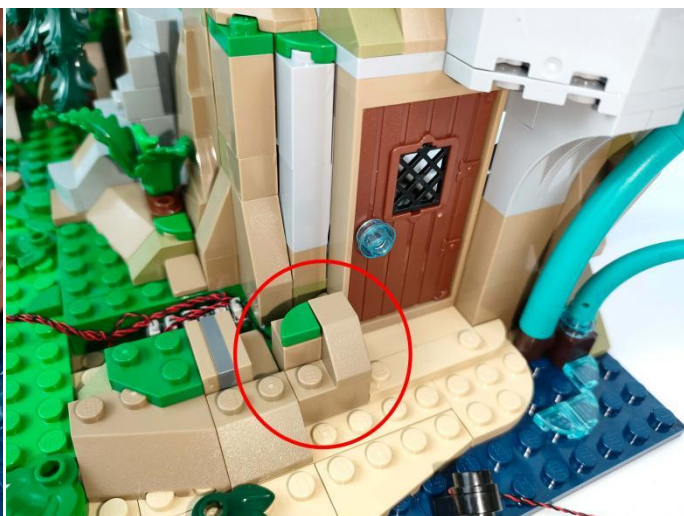
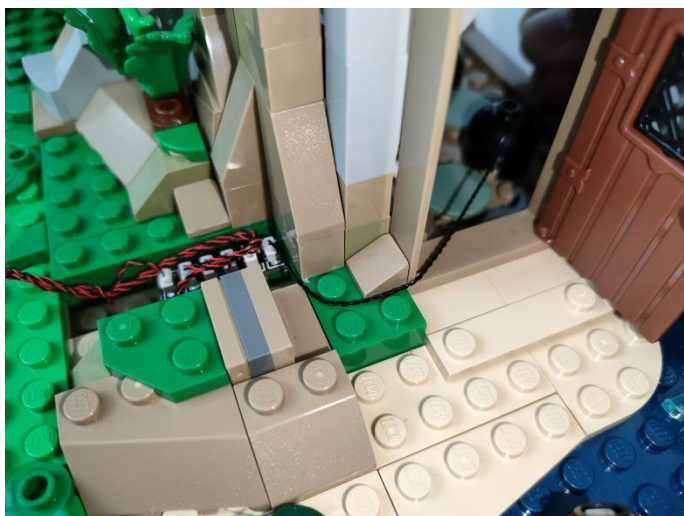
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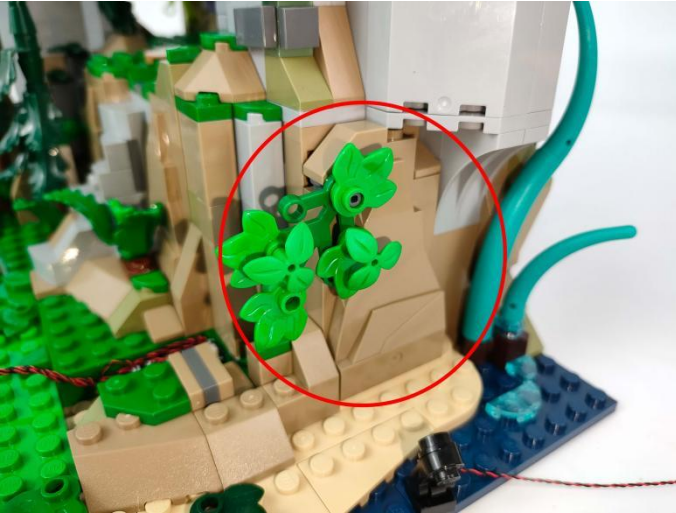
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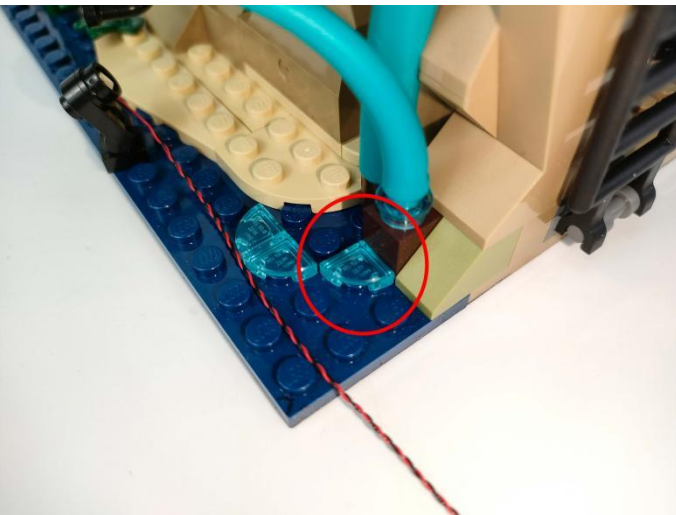
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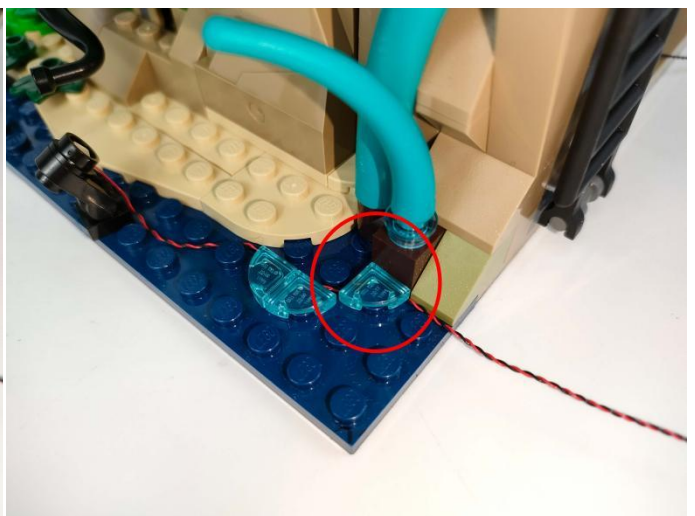
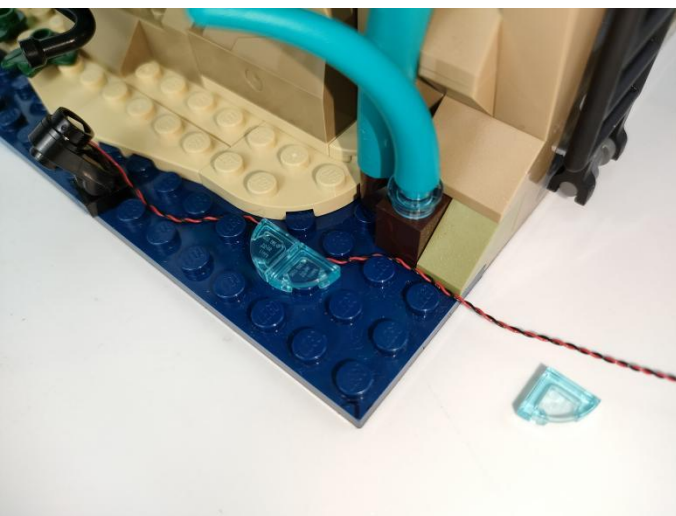
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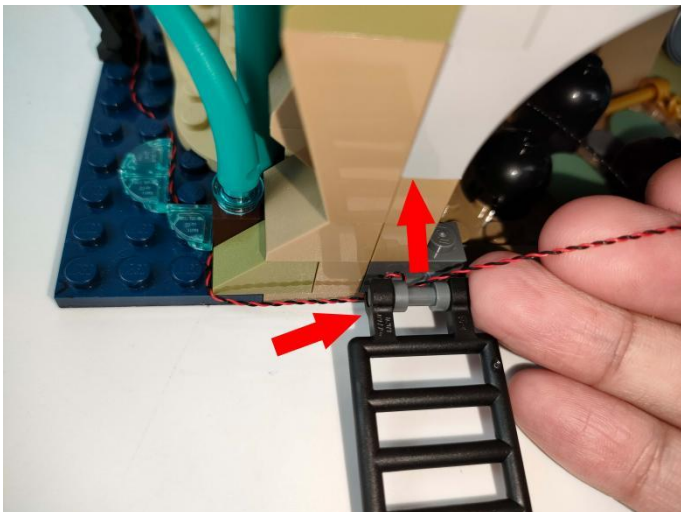
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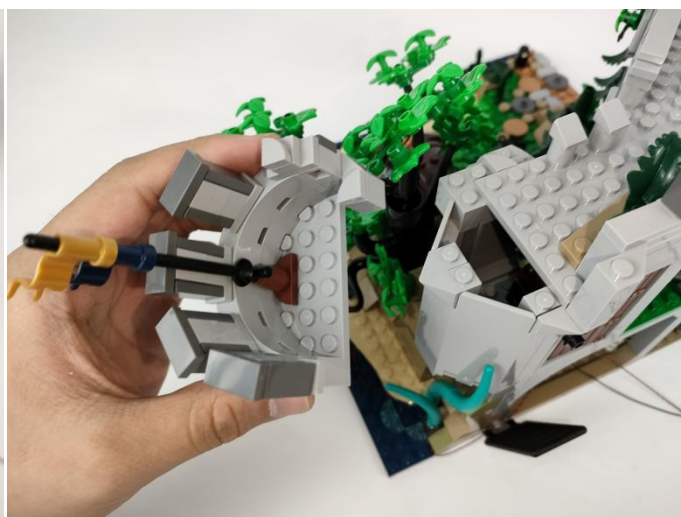
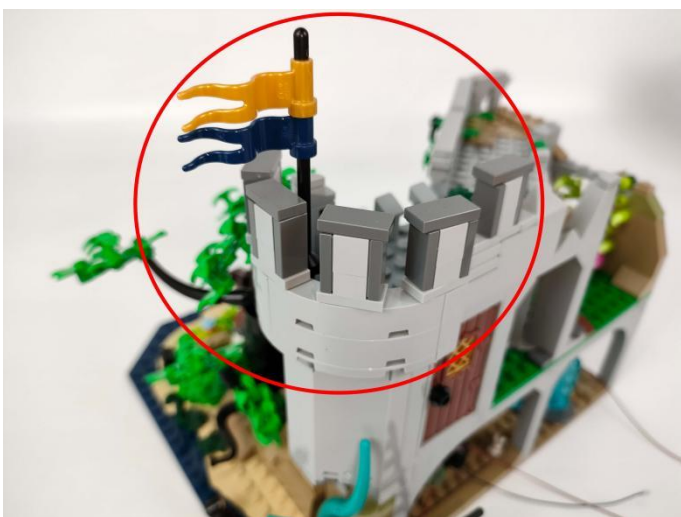
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96



97

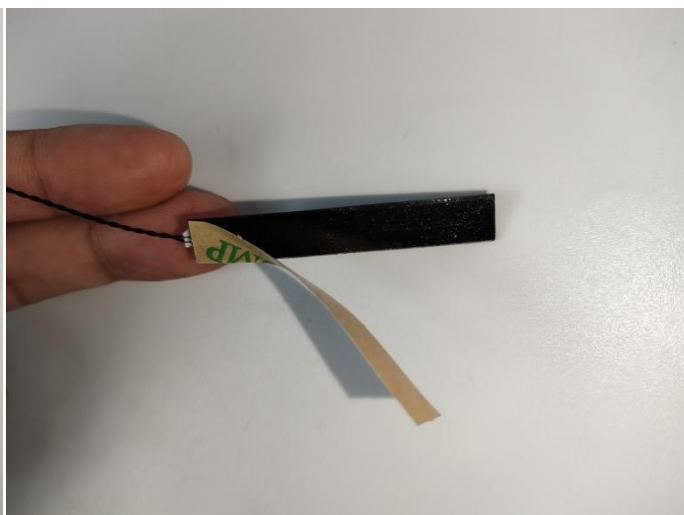


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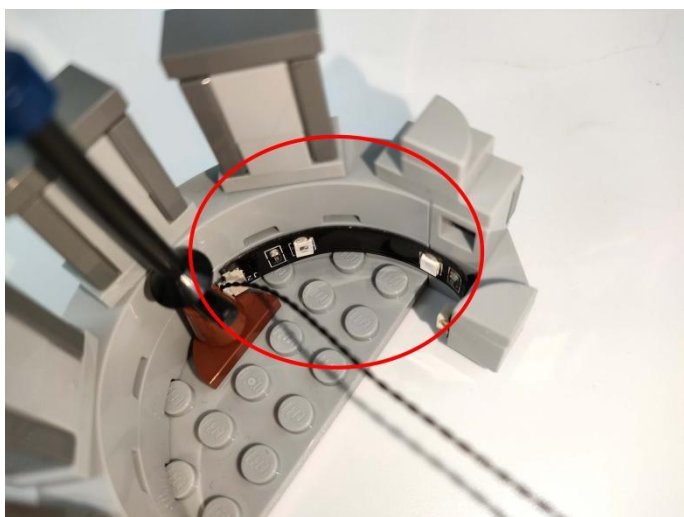




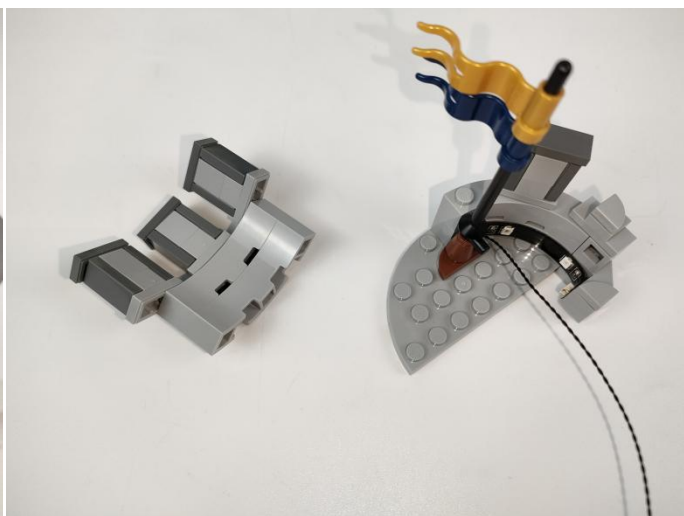
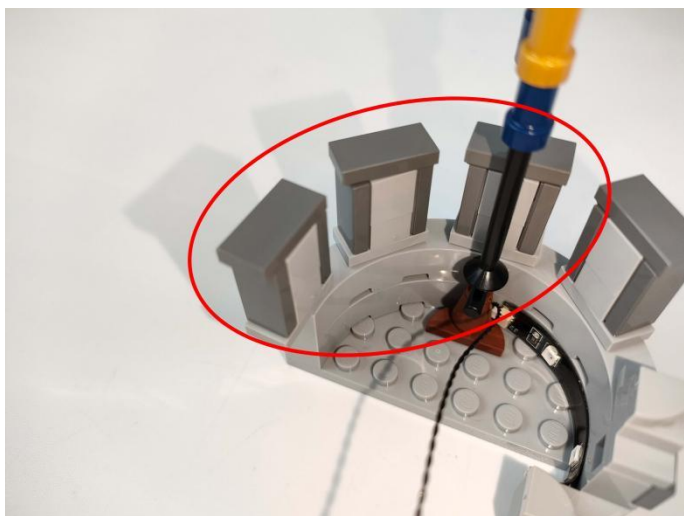
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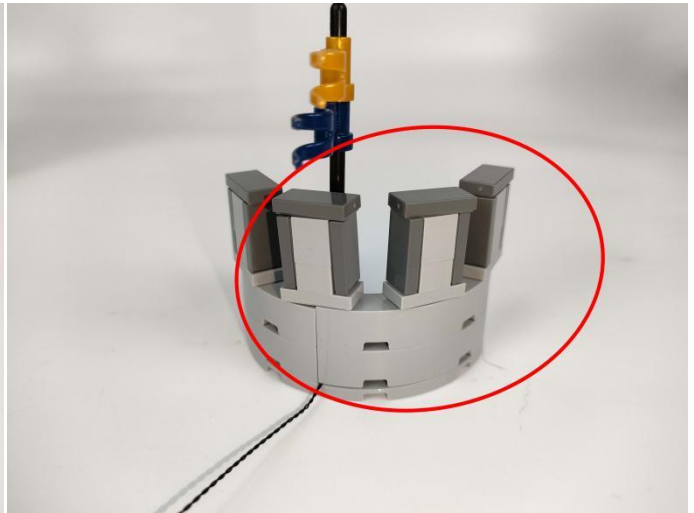
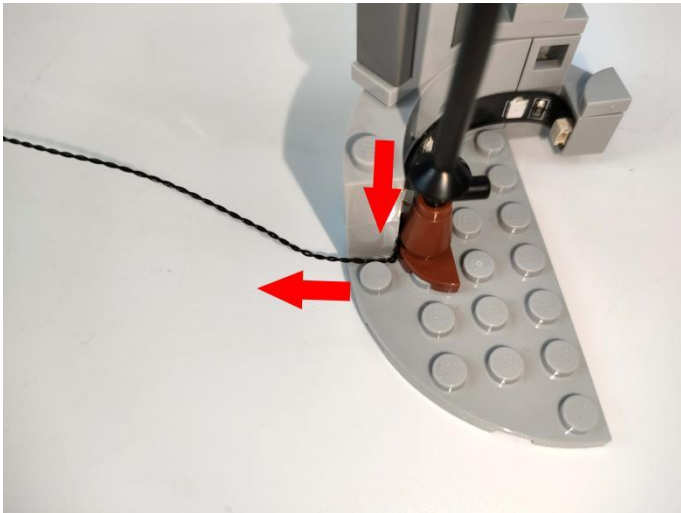
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101



102



103



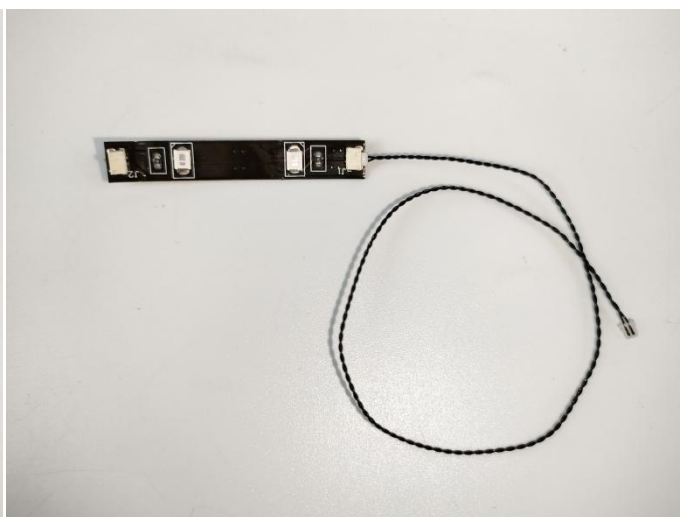
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# 105



# 106



# 107



108



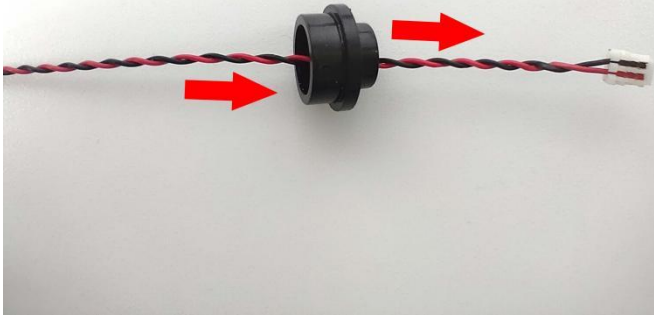
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110



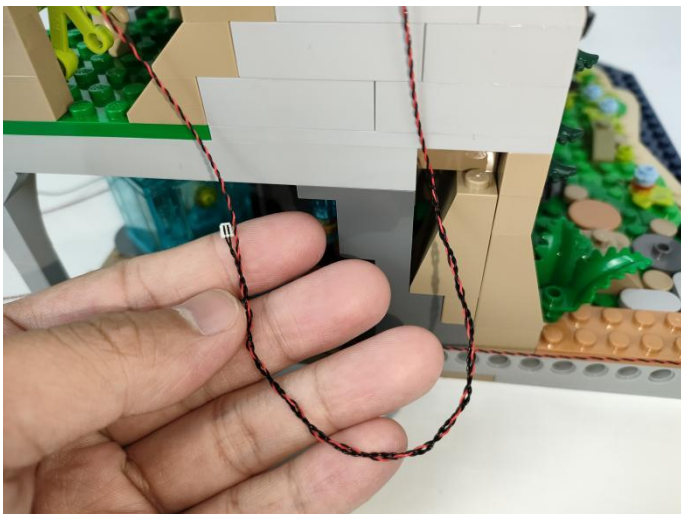
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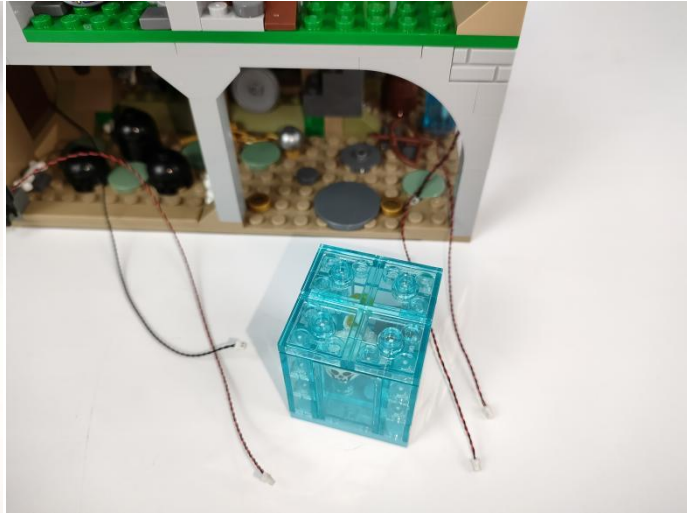
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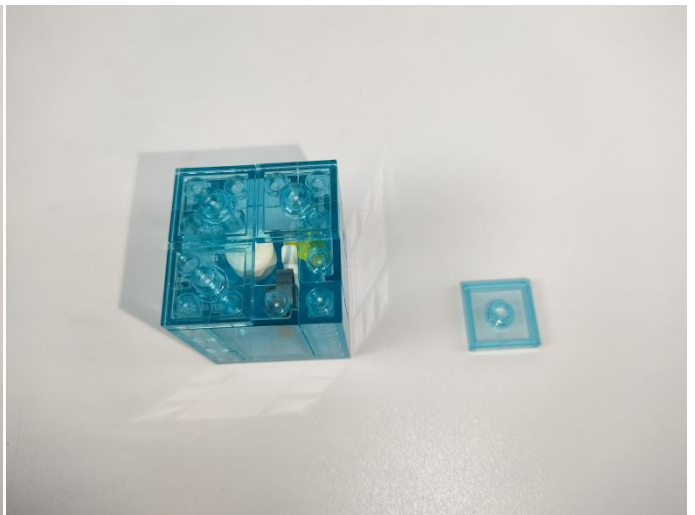
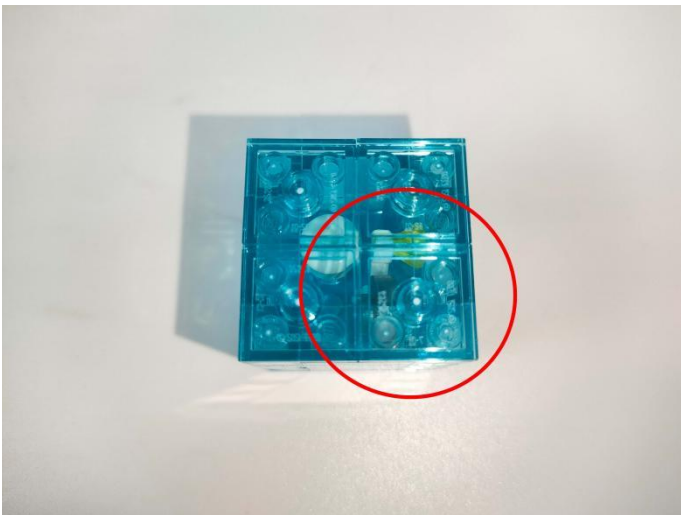
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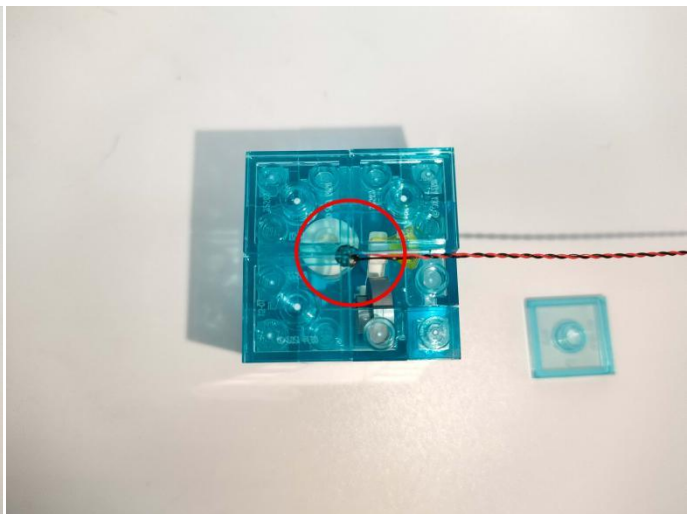
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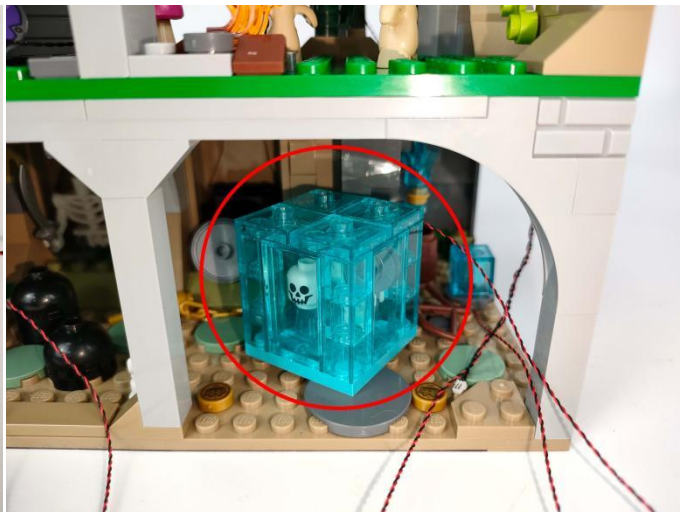
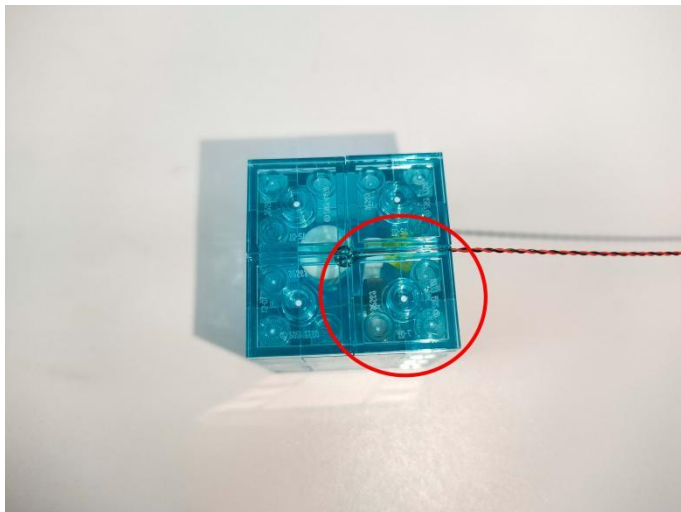
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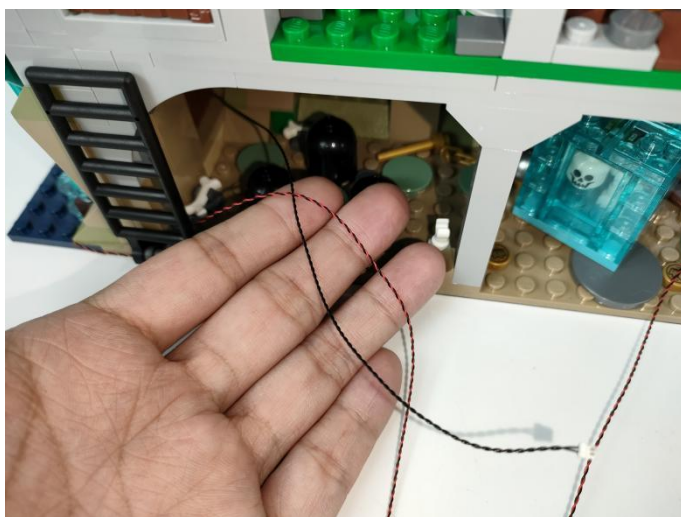
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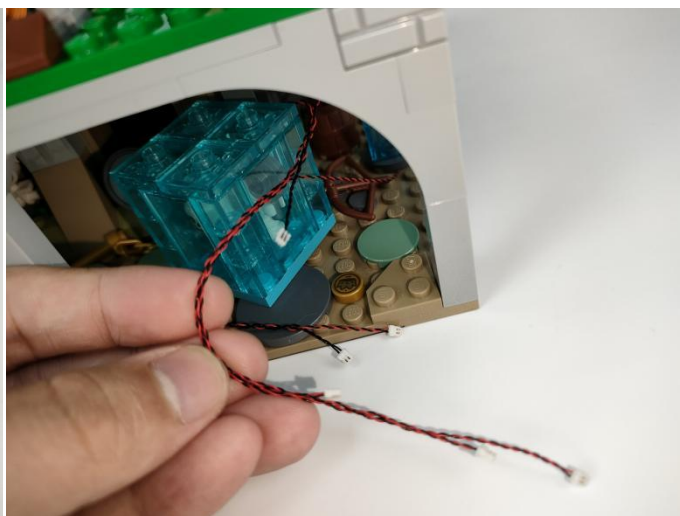
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118



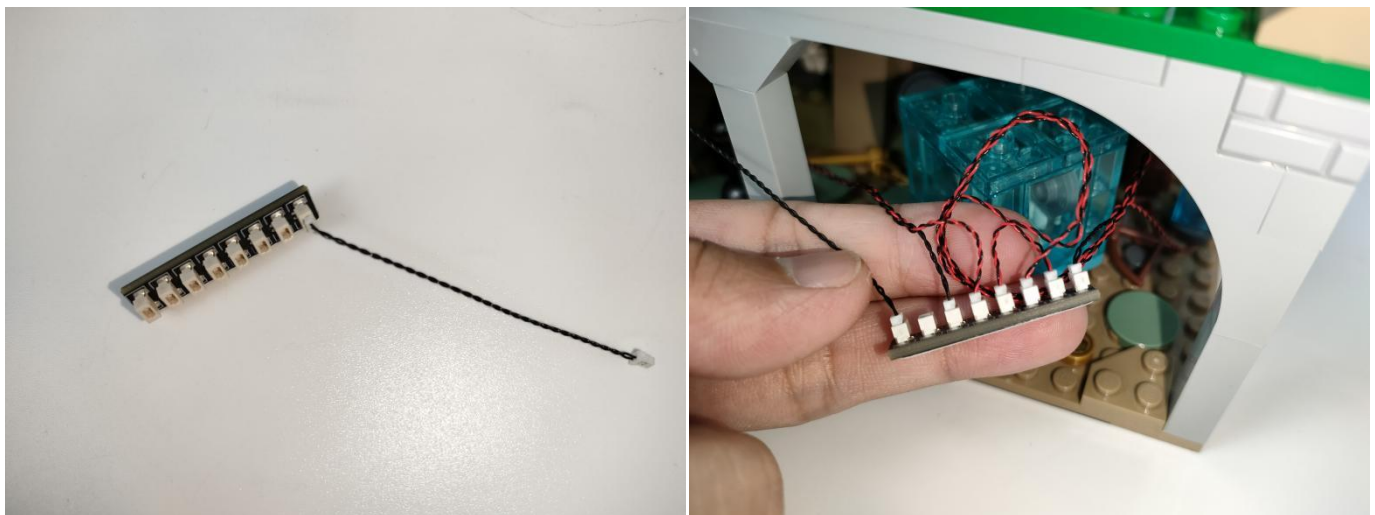
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# 120



# 121

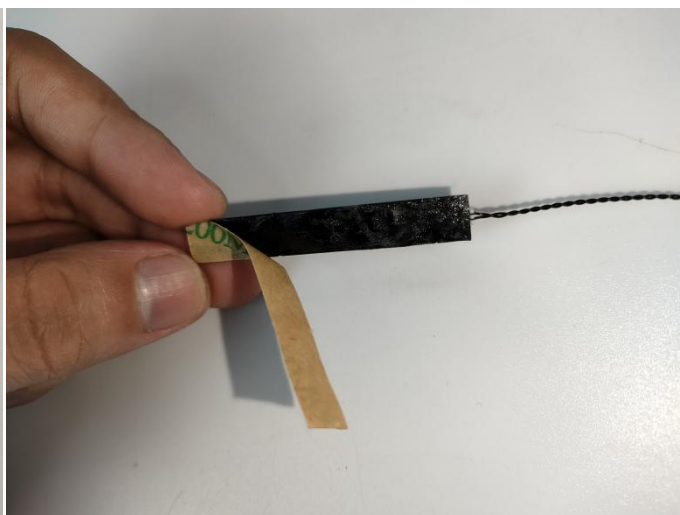


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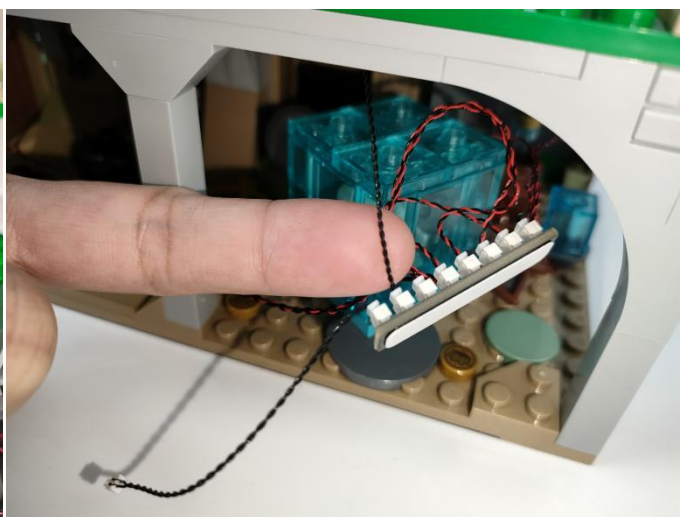




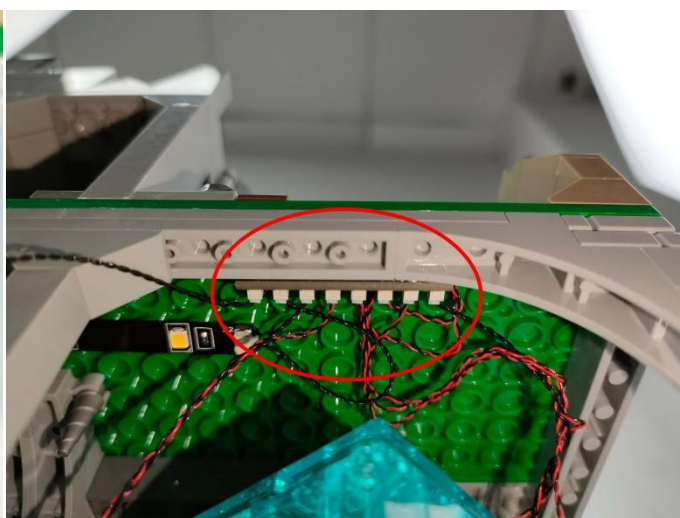
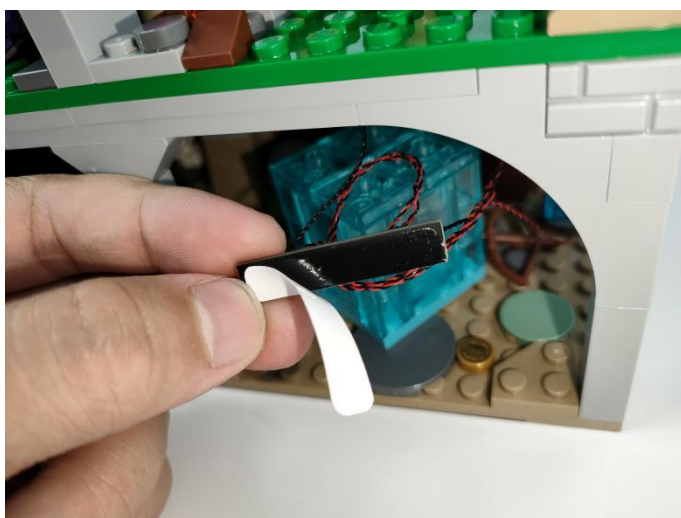
123



124



125



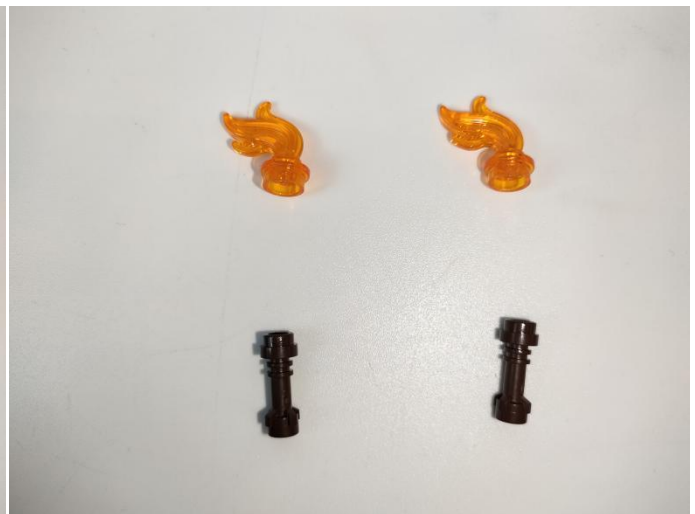
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127



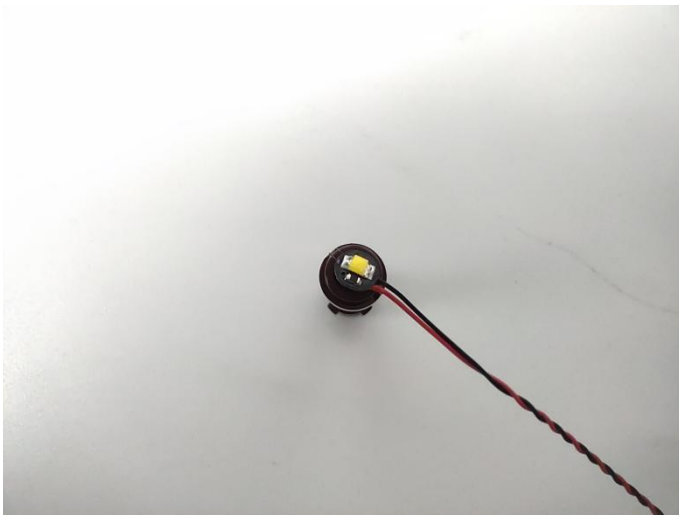
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129



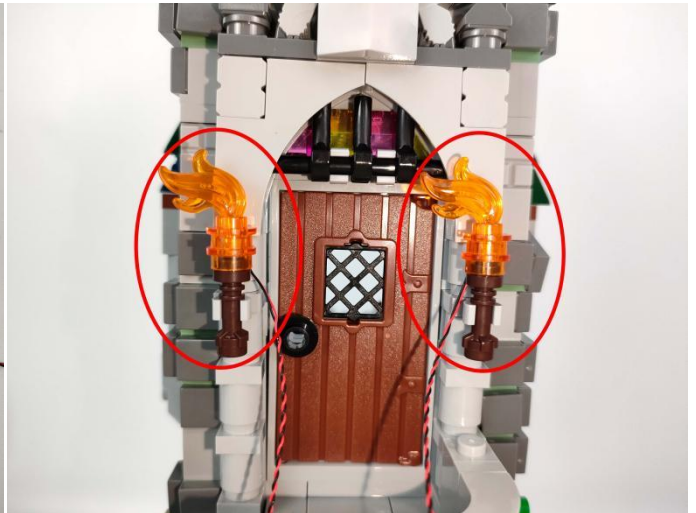
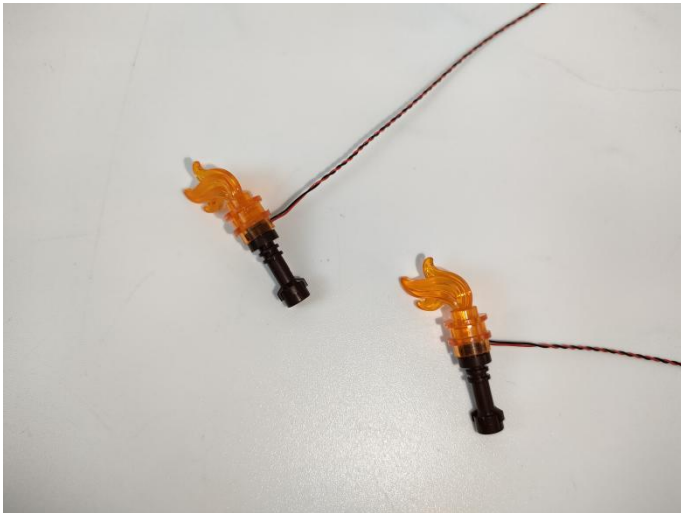
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131



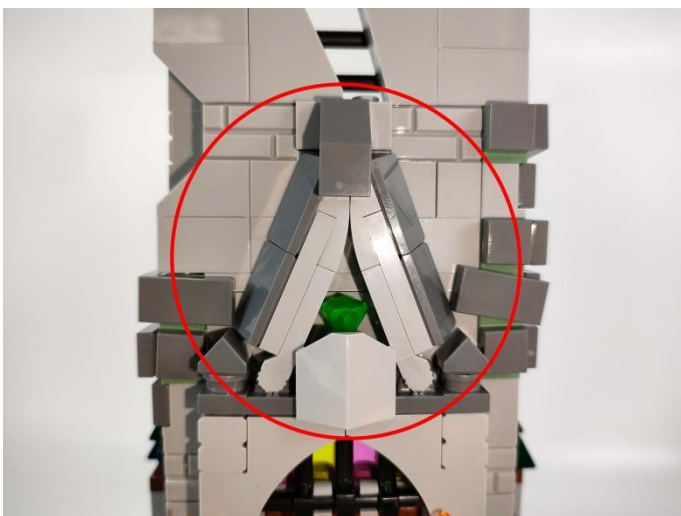
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133



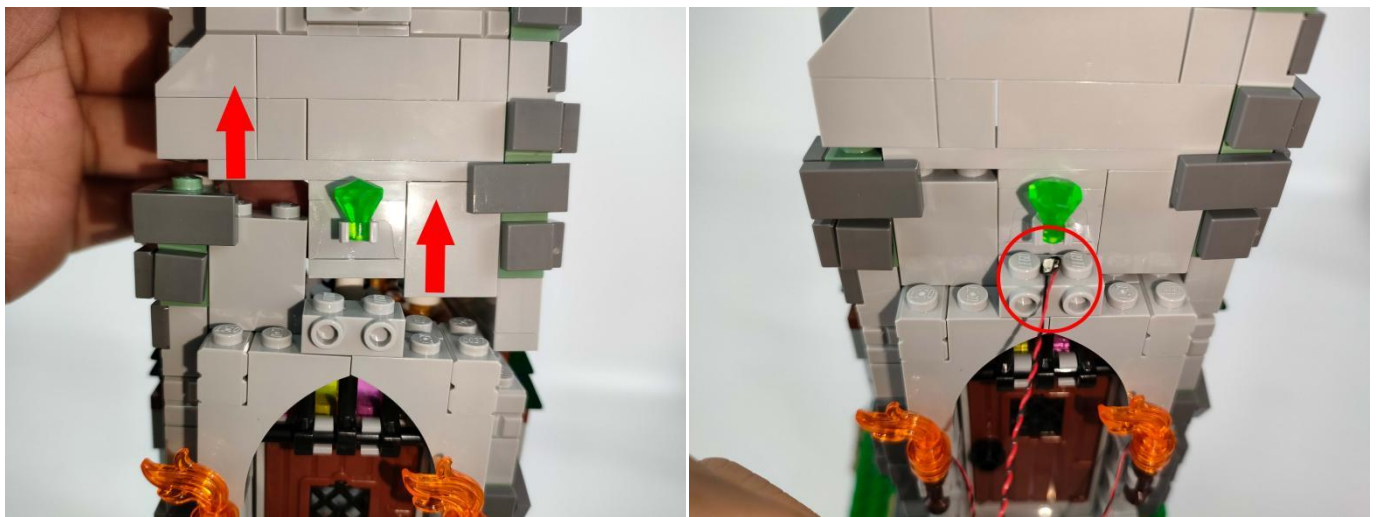
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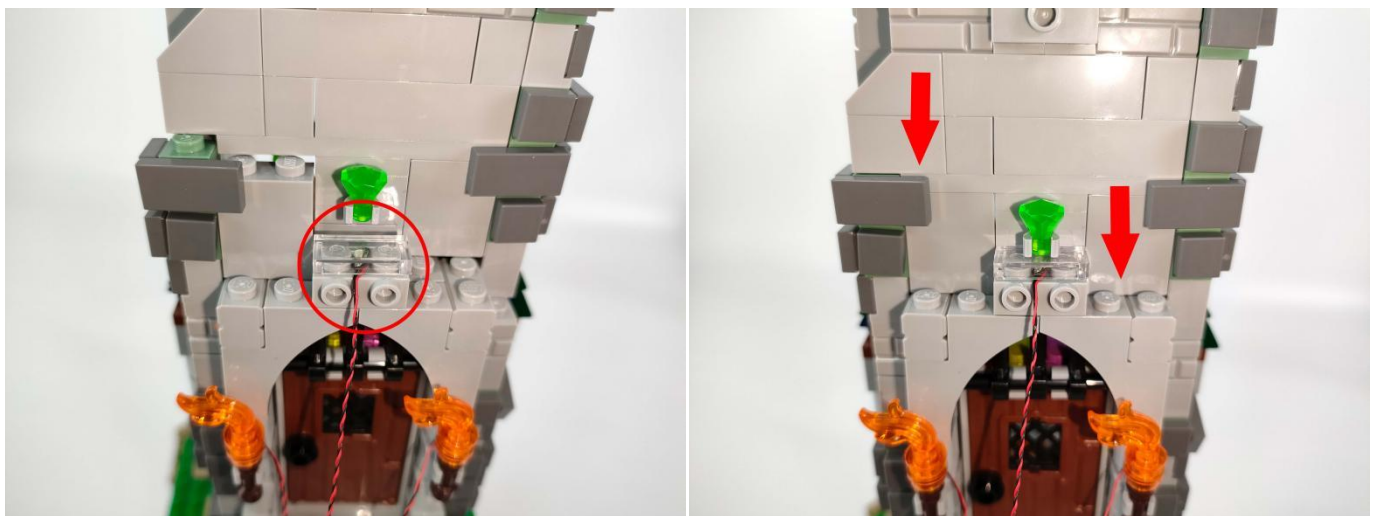
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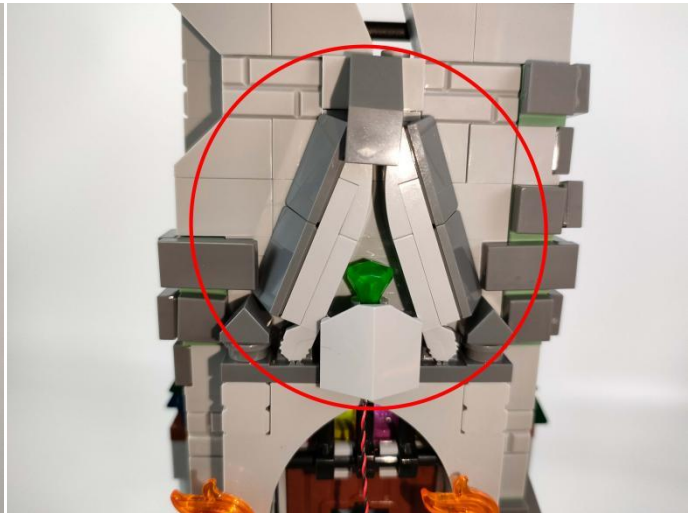
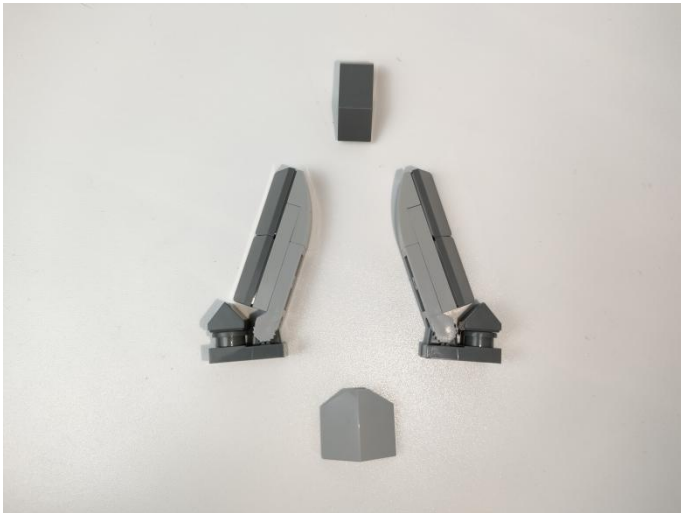
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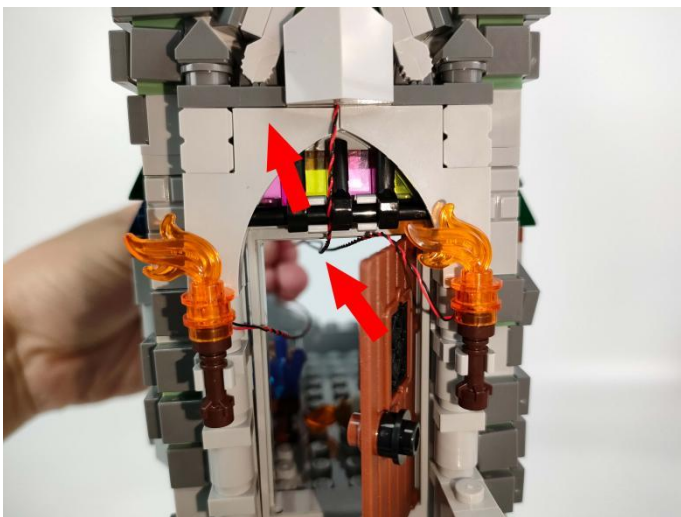
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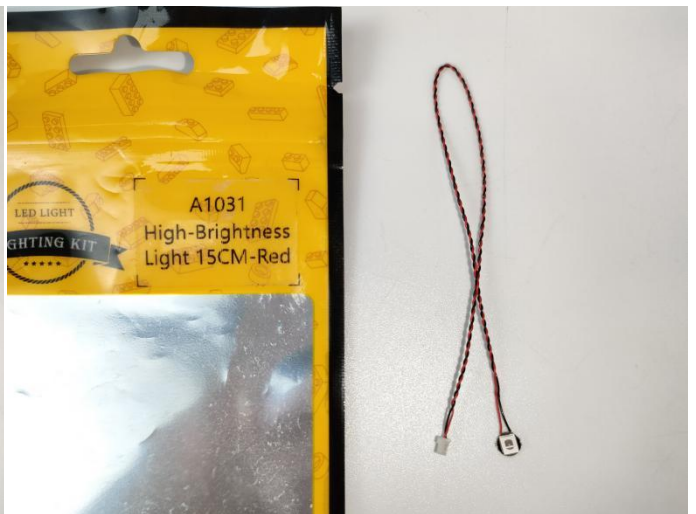
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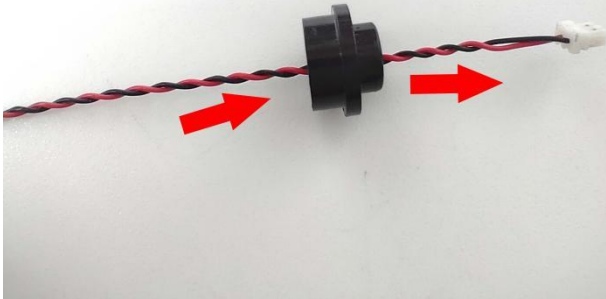
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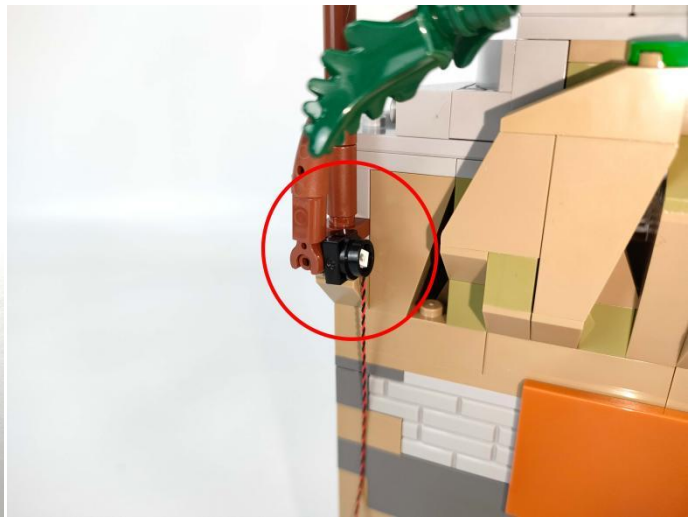
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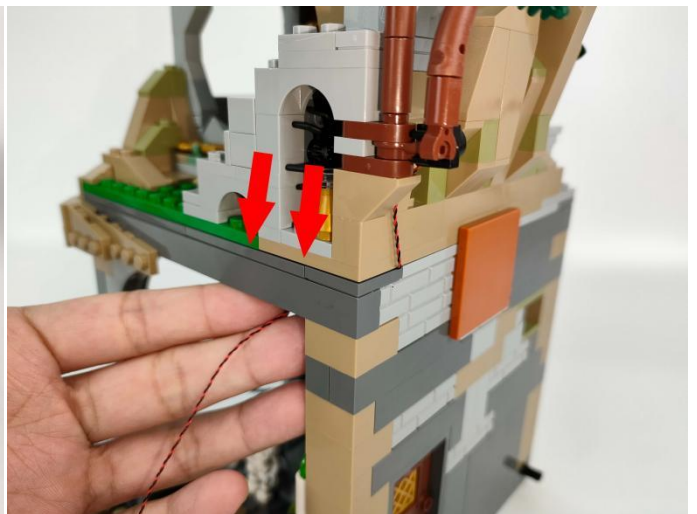
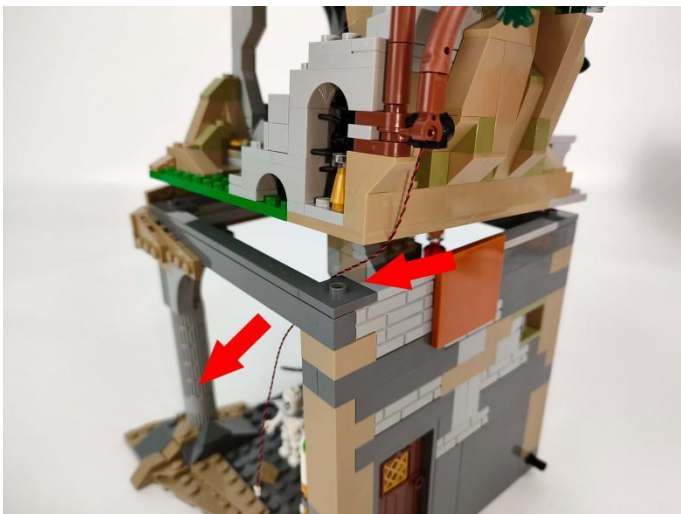
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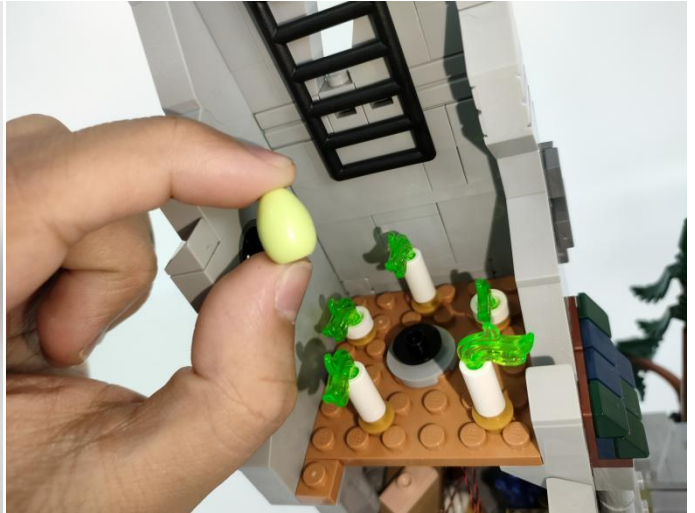
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143



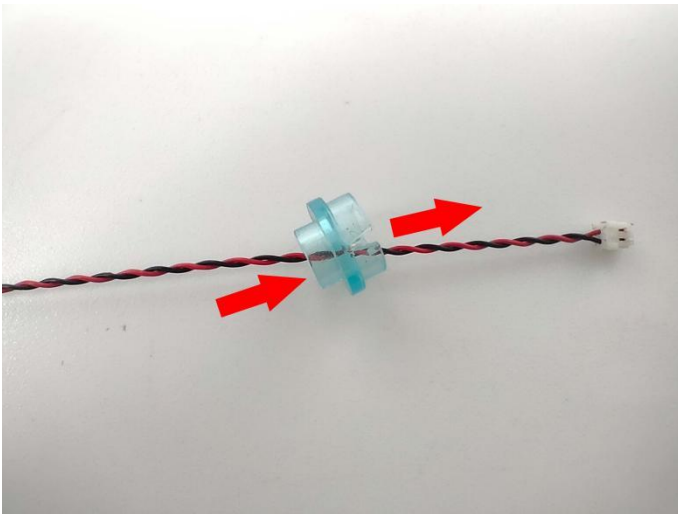
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145

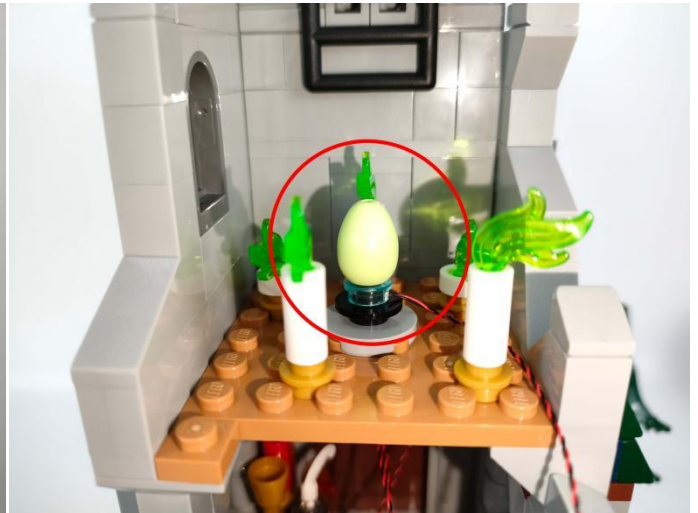


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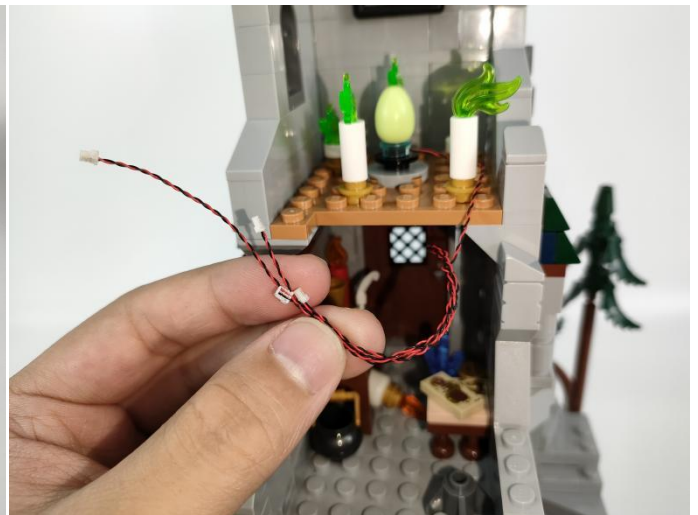




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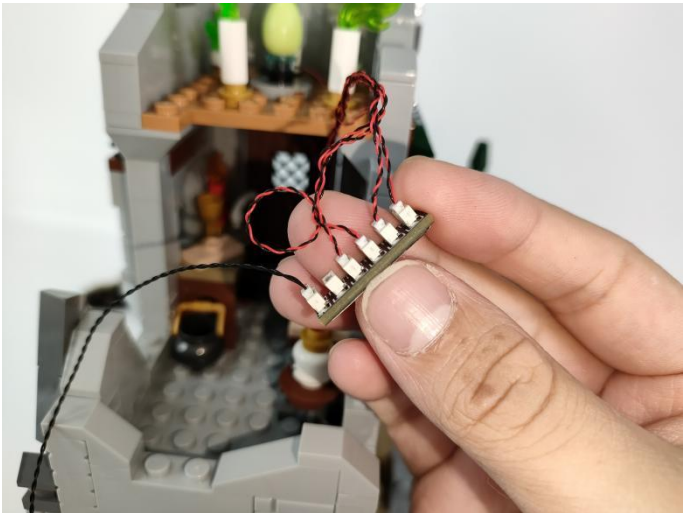
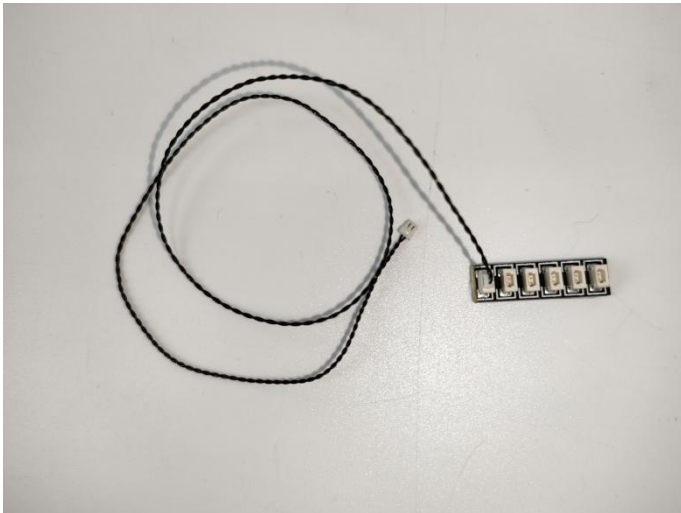
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149



150



151



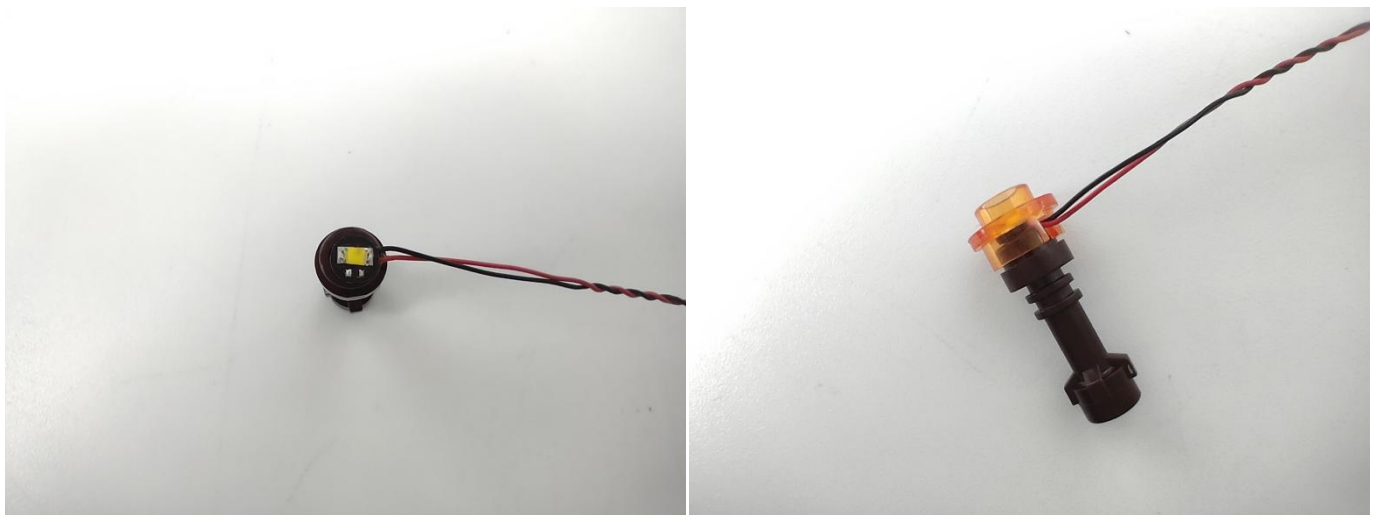
152



153



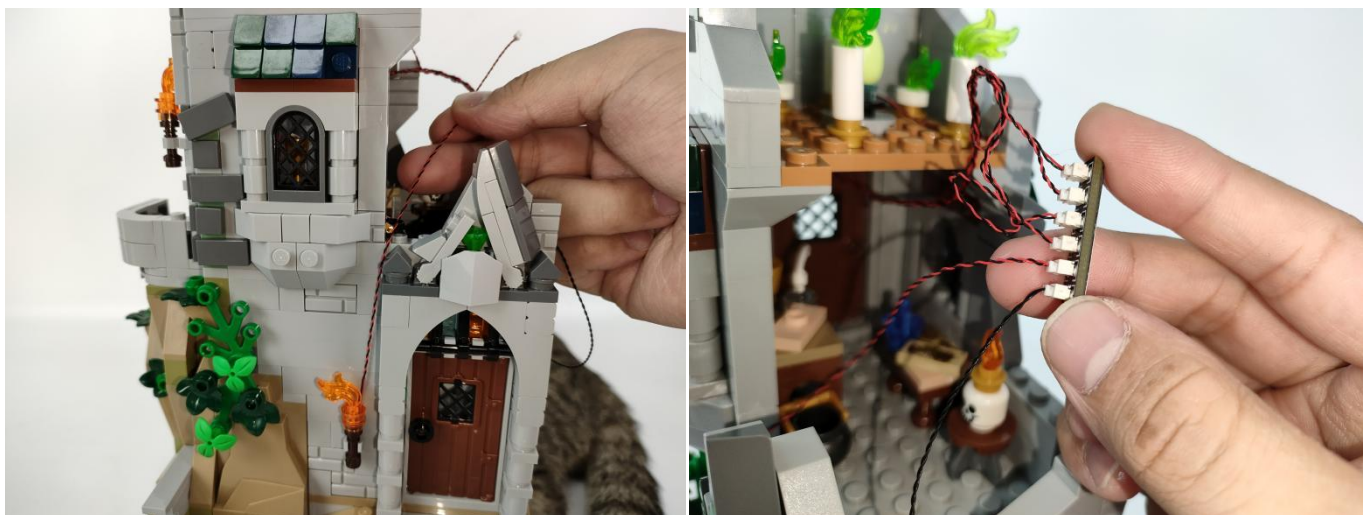
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155



156



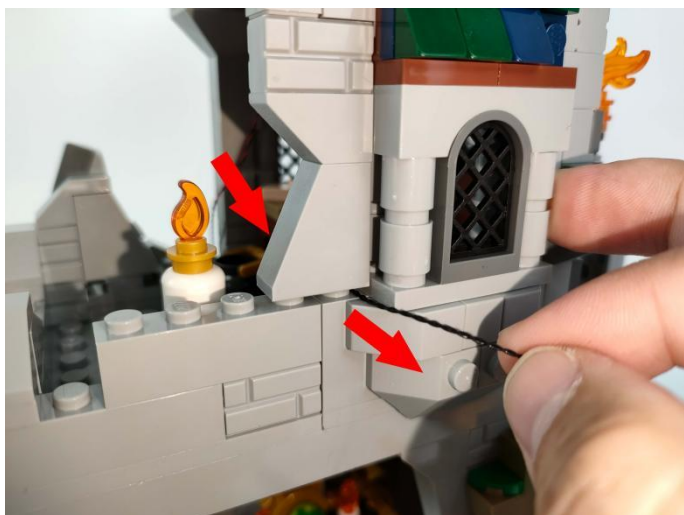
157



158



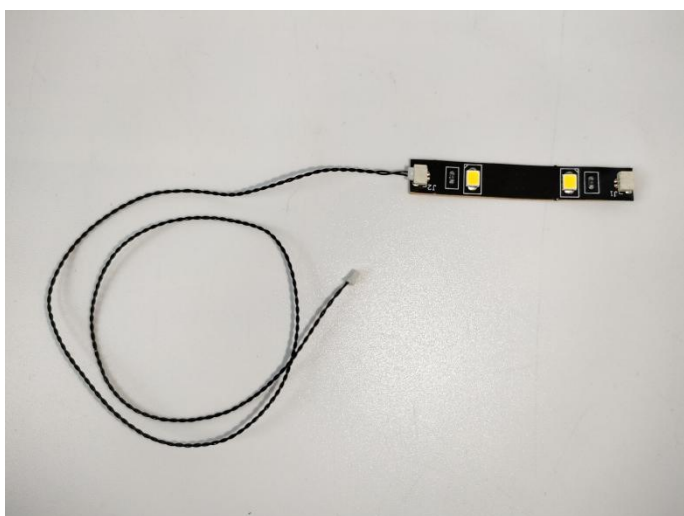
159



160



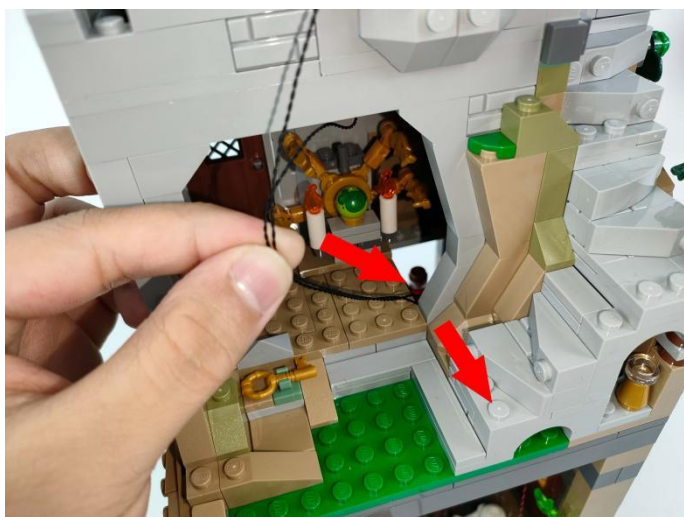
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162



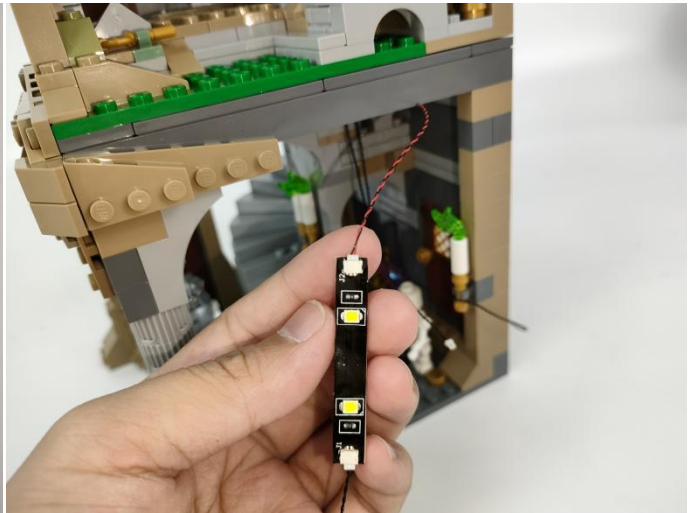
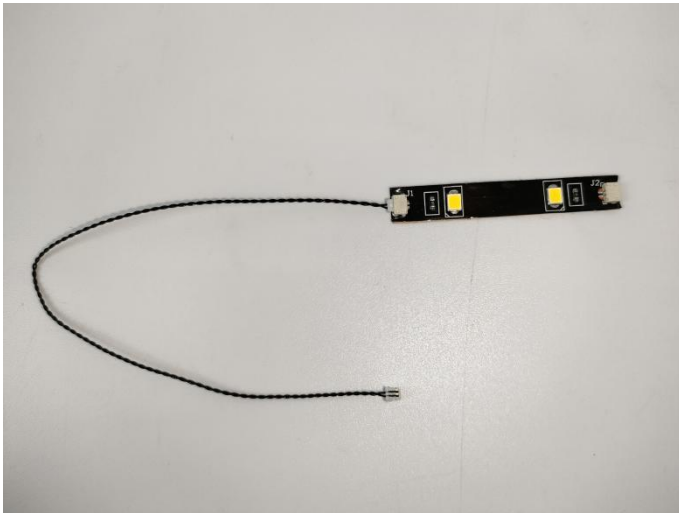
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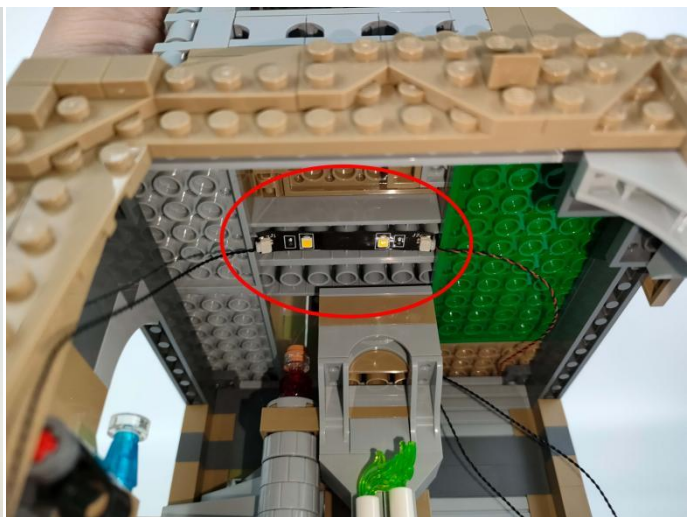
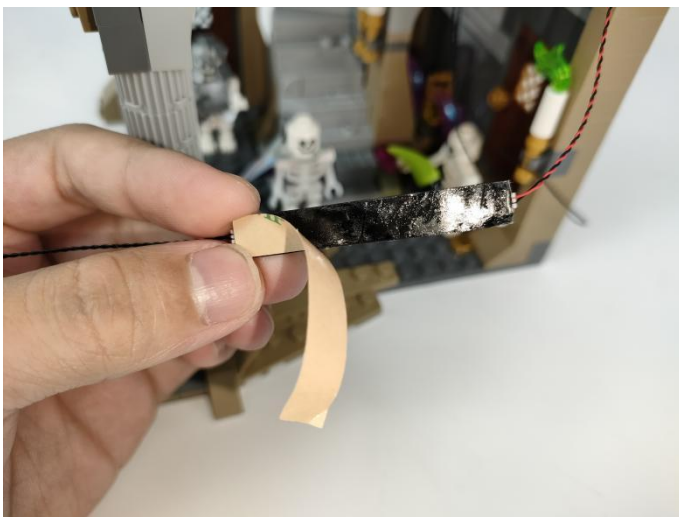
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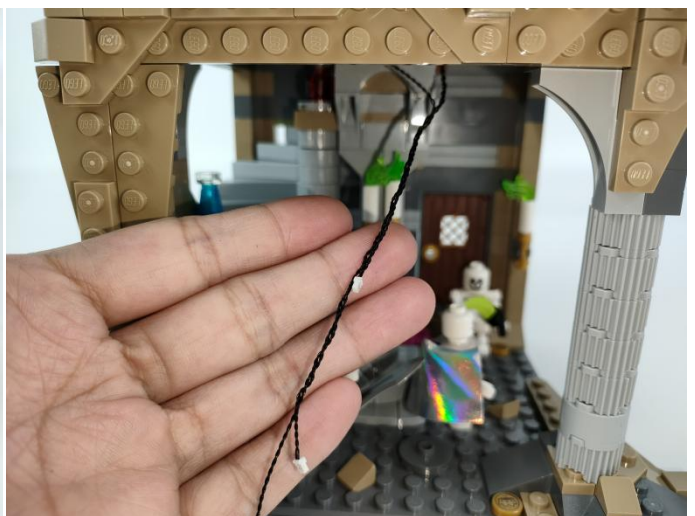
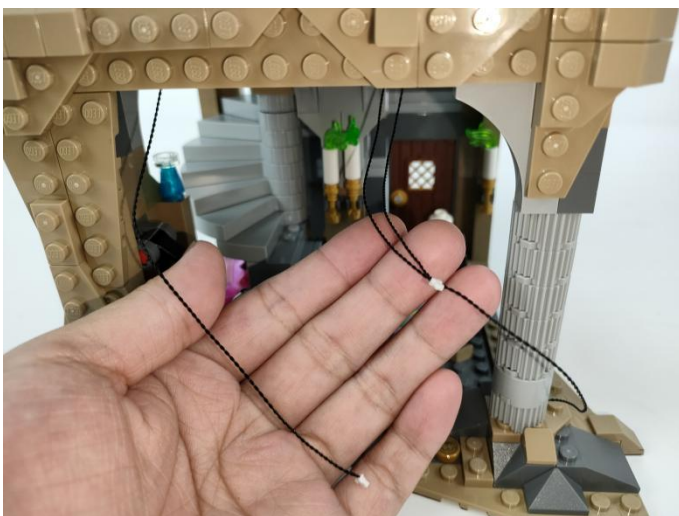
165



166



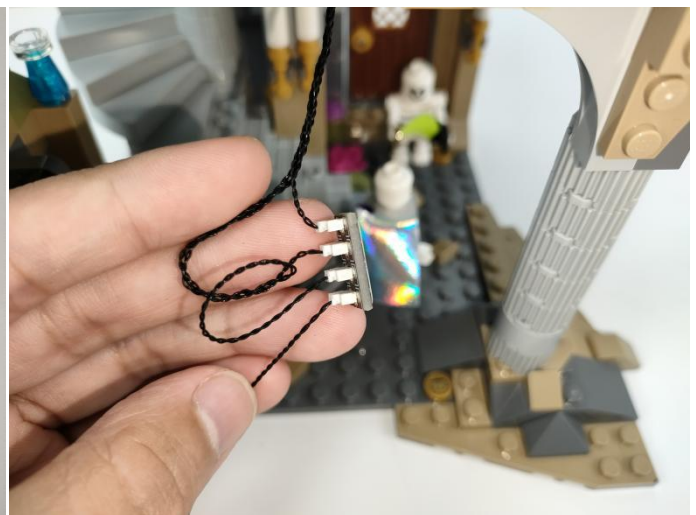
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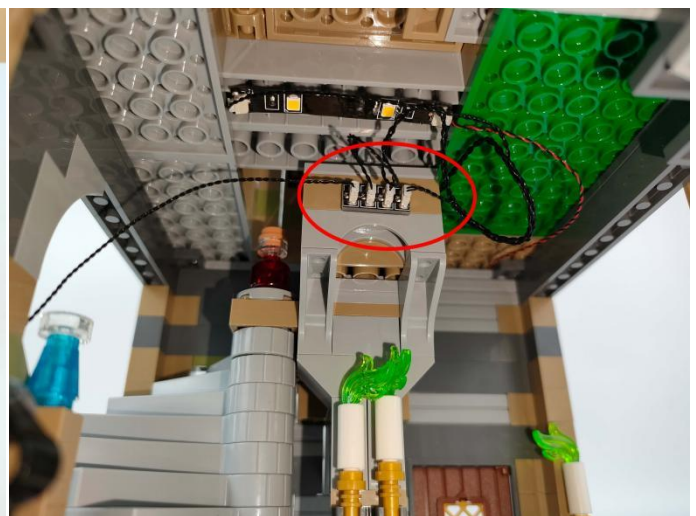
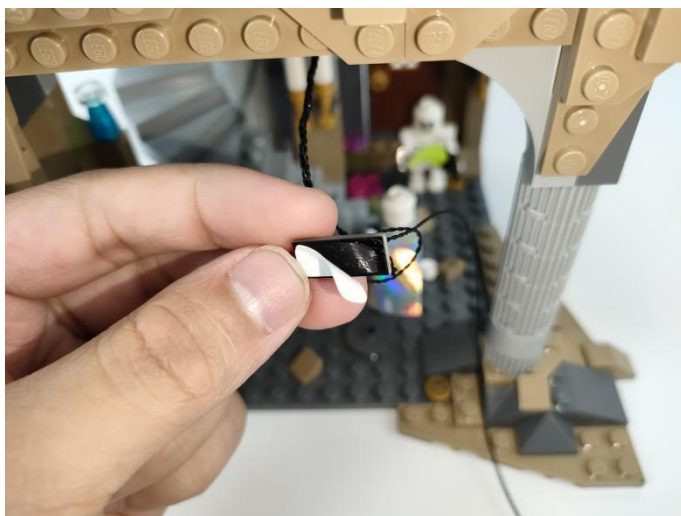
# 168



# 169

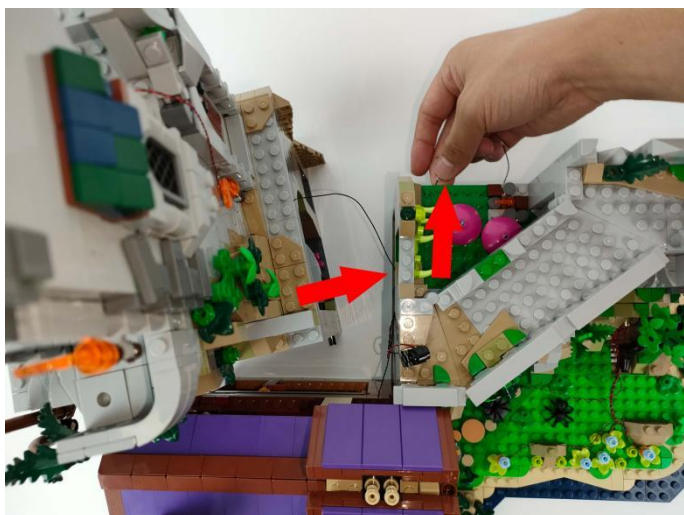


# 170





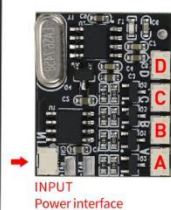
# 171



# 172



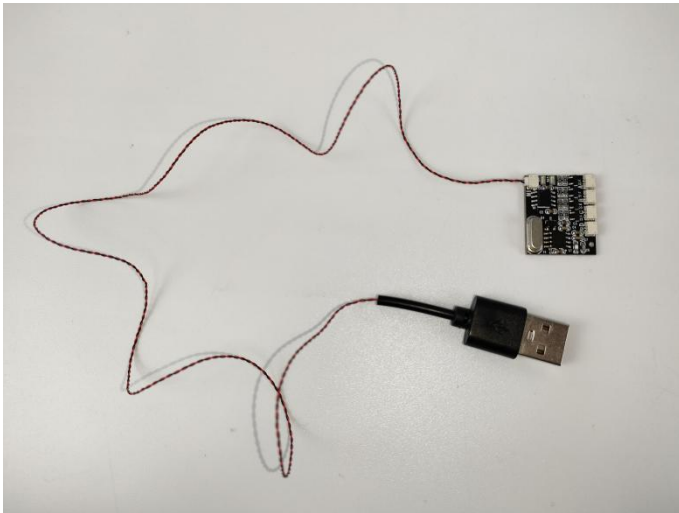
## Remote control function introduce



- ON:** All lights turn on sequentially.    **OFF:** All lights are off.
- ☼: Funktion 1: A, B, C, D are turned on slowly in sequence.
  - ☼: Funktion 2: Breathing light mode.
  - ☼: Funktion 3: A and D the light is on and C and B flash alternately.    **A:** Turn A on/off.
  - ☼: Funktion 4: A the light is on, B, C, D flow light effect I.    **B:** Turn B on/off.
  - ☼: Funktion 5: A the light is on, B, C, D flow light effect II.    **C:** Turn C on/off.
  - ☼: Funktion 6: Quickly open from A to D in turn.    **D:** Turn D on/off.
  - ☼: Funktion 7: A, B, C, D flow light effect.    ↑ : Increase frequency.
  - ☼: Funktion 8: A, B, C, D flash alternately.    ↓ : Decrease frequency.
  - ☼:    \* : Brightness+: Increases brightness
  - ☼:    \* : Brightness-: Decreases the brightness

- ON:** Alle Lichter werden nacheinander eingeschaltet.    **OFF:** Alle Lichter sind aus.
- ☼: Funktion 1: A, B, C, D werden langsam nacheinander eingeschaltet.
  - ☼: Funktion 2: Atemlichtmodus.
  - ☼: Funktion 3: A und D bleiben an und C und B blinken abwechselnd.    **A:** Turn A on/off.
  - ☼: Funktion 4: A ist immer eingeschaltet, B, C, D fließendes Wasser Lichteffect I.    **B:** Turn B on/off.
  - ☼: Funktion 5: A ist immer eingeschaltet, B, C, D, fließendes Wasser Lichteffect II.    **C:** Turn C on/off.
  - ☼: Funktion 6: Schnell nacheinander von A nach D öffnen.    **D:** Turn D on/off.
  - ☼: Funktion 7: A, B, C, D fließendes Wasser Lichteffect.    ↑ : Increase frequency.
  - ☼: Funktion 8: A, B, C, D blinken abwechselnd.    ↓ : Decrease frequency.
  - ☼:    \* : Brightness+: Increases brightness
  - ☼:    \* : Brightness-: Decreases the brightness

173



174



175



176



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



THANKS